

**Shrikrishna Shikshna Sanstha  
Shrikrishna Mahavidyalaya Gunjoti  
Ta. Omerga, Dist. Osmanabad (M.S.)**

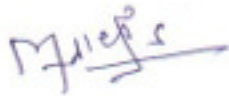
**Academic Planning and Evaluation Committee  
Academic Year 2017-2018**

The constituted Academic Planning and Evaluation Committee for the Academic Year 2017-2018 is as under.

- |                        |              |
|------------------------|--------------|
| 1. Dr.D.R. Kulkarni    | Chairman     |
| 2. Dr. R.S.Madale      | Co-ordinator |
| 3. Dr.B.J.Ugale        | Member       |
| 4. Shri K.R.Shanediwan | Member       |
| 5. Shri G.G. Hirwe     | Member       |

- Academic Planning and Evaluation Committee prepare academic plan and organize teaching, learning and evaluation schedules.
- The academic calendar is prepared on the basis of academic calendar of Dr. B. A. Marathwada University
- The academic calendar is displayed on notice boards for students and copy of academic calendar is distributed among the teaching staff.
- Academic calendar is also displayed on college website.
- **Teaching plans.**
- The teaching plans are prepared by considering the available teaching days and holidays declared by the society, university and state Government.
- Every faculty member prepares the annual plan and submits the Teaching plans to the Academic Planning and evaluation committee at the beginning of the academic year.
- Heads of the departments monitors the progress of teaching and learning annual plan.

- Faculty members submit the monthly teaching report to the committee.
  - The review is taken by the committee regarding the completion and progress of the syllabus.
  - Daily teaching record is maintained in the Daily Teaching Diary by every faculty member and it is verified by the committee time to time.
  - Attendance record of the students is kept with the teacher daily.
- **Evaluation:**
- The College follows internal assessment such as unit test, tutorial and class test conducted by teachers from time to time.
  - Development of the students is evaluated on the basis of its attendance, assignments, tests, seminars, projects, Behavioral aspect, Semester end examinations, Practical examinations and viva-voce.
  - Faculty staff informs the student about the evaluation pattern of the university.
  - The college evaluates the teacher's feedback by students through feedback form at the end of academic year.
  - Feedback is analyzed by the committee and necessary steps are taken by faculty for improving the teaching learning process,
  - The institute monitors the quality of teachers by the head of the institution and head of the departments.
  - Convener evaluates the quality of teaching, learning by checking daily teaching dairy of the faculties.

  
 Co-ordinator  
 Dr. Madie R. S.

  
**PRINCIPAL**  
 Shrikrishna Mahavidyalaya  
 Gunjoti Tq. Omerga

# Shrikrishna Mahavidyalaya, Gunjoti

Tq. Omerga, Dist. Osmanabad

**Curricular and extra – curricular activities. Annual Planning Academic year 2017-2018.**

|                         |  |
|-------------------------|--|
| 03 June 2017            | : Opening day and academic meeting of the staff under Chairmanship of the Principal and beginning of admission process Annual planning of each department. |
| 16 June to 20 June 2017 | : Result Analysis every department wise and college wise   |
| 15 June 2017            | : Admission UG and PG  |
| 17 June 2017            | : Time Table Framing   |
| 21 June 2017            | : UG Teaching commencement   |
| 21 June 2017            | : Beginning of Lectures at College for PG – II YEAR  |
| 26 June 2017            | : <b>Ramjan Id – (Holiday)</b>   |
| 26 June 2017            | : Anti-Intoxication Day and celebration of Shahu Maharaj birth Anniversary. (Chemistry / Cultural Dept.)   |
| 30 June 2017            | : Report on syllabus progress / DTR Verification   |
| 01 July 2017            | : A special programme on the occasion of Agriculture Day (Bot Dept.) / Vasantao Naik Jayanti, Plantation programme   |
| 11 July 2017            | : Arrangement of lecture on the occasion of World Population Day on behalf of NSS department / Geography Dept.   |
| 13 July 2017            | : Pre-knowledge Test of the newly admitted students by all departments in class  |
| 14 July 2017            | : The Principal's address for the students common activities and courses.  |
| 20 July 2017            | : Students-parents Meet (by Association) present and Ex students.  |
| 22 July 2017            | : A Workshop for the scholarship-holder students (by committee)  |
| 23 July 2017            | : <b>Lokmanya Tilak Jayanti</b>  |
| 25 July 2017            | : NSS Registration / Earn and Learn registration   |
| 26 July 2017            | : A lecture on the occasion of Kargil Victory Day (History Dept)   |
| 31 July 2017            | : Formation of Students Council as per university guideline or as per date.  |
| 31 July 2017            | : Report on syllabus progress /DTR Verification /Eligibility submit date 31 July   |
| 01 August 2017          | : <b>Lokmanya Tilak Punayatithi and Annabhau Sathe Jayanti</b>   |
| 03 August 2017          | : <b>Krantisinh Nana Patil Jayanti</b>   |
| 04 August 2017          | : Opening of associations.   |
| 09 August 2017          | : A programme on the occasion of 'Revolution day' (History Dept) (Sunday)  |
| 11 August 2017          | : Class wise first test, in respective classes.  |
| 14 August 2017          | : One day NSS Camp and selection of students for 'Earn and Learn' scheme   |
| 15 August 2017          | : <b>Flag hosting and cleanliness of campus / Plantation</b>   |
| 17 August 2017          | : <b>Parsi Nav Varsha Din</b>  |
| 20 August 2017          | : Sadbhavana Diwas, Rally by NSS   |
| 22 August 2017          | : Opening function of students council. (as per schedule) declared by University   |
| 23 August 2017          | : <b>'University Foundation Day' arrangement of special programmes in behalf of the departments of NSS and culture activity committee.</b>                 |
| 24 August 2017          | : <b>Shrikrishna Janmasthan. (Local Holiday)</b>   |
| 25 August 2017          | : <b>Ganesh Chaurthi</b>   |
| 28 August 2017          | : Arrangement of lectures by associations.   |
| 29 August 2017          | : World Sport Day : Special Programmes by sports dept.   |
| 31 August 2017          | : Arrangement of Elocution and Debate competitions and team selection (by literary association) Report on Syllabus progress / DTR verification             |
| 02 September 2017       | : <b>Bakari Id (Holiday)</b>   |
| 05 September 2017       | : <b>Teacher's day</b>   |
| 08 September 2017       | : International Literacy Day : NSS Programme Lecture/Rally/ Campaign.  |
| 13 September 2017       | : Exhibition of Anti-intoxication and lectures (Chemistry/Zoo Dept) (Sunday)   |
| 14 September 2017       | : Hindi Day (by Hindi dept) special programme.   |
| 17 September 2017       | : <b>Marathwada Liberation Day, Special programme. (Holiday)</b>   |
| 19 September 2017       | : Conduct of collegiate Story Narration and Poetry Reading competitions. (English and Marathi Dept)  |
| 23 September 2017       | : Arranging the camps of Competitive Examinations and Vocational Guidance (Competitive exam / career guidance cell)  |
| 24 September 2017       | : NSS Day (by NSS Unit) special lecture  |
| 25 September 2017       | : Pandit Dindayal Upadhyaya Jayanti  |

|                         |   |   |
|-------------------------|---|---|
| 29 September 2017       | : | Expert guidance under various associations of the college by committee  |
| 30 September 2017       | : | Report on syllabus Progress / DTR Verification  |
| 30 September 2017       | : | <b>Dasara (Holiday)</b>   |
| 01 October 2017         | : | <b>Moharam (Holiday)</b>  |
| 02 October 2017         | : | <b>Programmes on the occasions of birth anniversaries of Mahatma Gandhi and Lal Bahadur Shastri / Gandhian Studies Center</b> |
| 08 October 2017         | : | Maharshri Valmiki Jayanti (Sunday)  |
| 14 October 2017         | : | Pandit Neharu Jayanti   |
| 15 October 2017         | : | Dr.A.P.J.Abdul Kalam Jayanti (Sunday)   |
| 19 October 2017         | : | Dipawali (Holiday)  |
| 20 October 2017         | : | Balipratipada (Holiday)   |
| 21 October 2017         | : | Bhaubij (Holiday)   |
| 31 October 2017         | : | Indira Gandhi Punayatithi, Vallabhabhai Patel Jayanti   |
| 31 October 2017         | : | <b>Valabbhai Patel Jayanti, Rashtriya Ekta Divas</b>  |
| 16 Oct. To 05 Nov. 2017 | : | Period of Winter Vacation / Study Tour  |
| 04 November 2017        | : | Guru Nanak Jayanti (Holiday)  |
| 05 November 2017        | : | Beginning of Second Term  |
| 14 November 2017        | : | Pandit Jawaharlal Nehru Jayanti   |
| 19 November 2017        | : | Indira Gandhi Jayanti, Rashtriya Ekamata Din (Sunday)   |
| 26 November 2017        | : | Sanvidhan Din (Sunday)  |
| 30 November 2017        | : | Report on Syllabus Progress / DTR Verification  |
| 01 December 2017        | : | Street Play and Awareness Rally on the occasion of World AIDS Day (NSS Unit)  |
| 01 December 2017        | : | <b>Id-Milad</b>   |
| 12 December 2017        | : | <b>World Consumer Day : Conduct of Programmes (History Dept)</b>  |
| 11 & 12 December 2017   | : | Conduct of the Third Test at the respective classes.  |
| 18 December 2017        | : | National Integration Day : Conduct of various programmes (Pol.Sci. Dept)  |
| 18-24 December 2017     | : | NSS Camp or as per university guidelines  |
| 25 December 2017        | : | <b>Christmas (Holiday)</b>  |
| 31 December 2017        | : | Report on Syllabus Progress   |
| 03 January 2018         | : | Savitribai Phule Jayanti  |
| 12 January 2018         | : | Birth Anniversary of Vivekanand : Arrangement of Programmes (NSS and Vivekanand Studies Center)                               |
| 14 January 2018         | : | Lectures on the occasion University Renaming Day.   |
| 26 January 2018         | : | <b>Republic Day</b> : Flag hosting and conduct of other programmes on nationality   |
| 27 January 2018         | : | Convening subject-wise seminars in class  |
| 30 January 2018         | : | Death Anniversary of Mahatma Gandhi : Various Programmes  |
| 30 January 2018         | : | Report on Syllabus Progress / DTR Verification  |
| 05-07 February 2018     | : | Annual Gathering Function as per schedule   |
| 19 February 2018        | : | Birth Anniversary of Chhatrapati Shivaji Maharaj: Various Programmes  |
| 24 February 2018        | : | <b>Mahashivratri (Holiday)</b>  |
| 27 February 2018        | : | Marathi as Official Language Day : Programmes on behalf of the Dept. of Marathi   |
| 28 February 2018        | : | World Science Day : Various Scientific Programmes (Physics /Comp. Dept) (Sunday)  |
| 28 February 2018        | : | Report on Syllabus Progress / DTR Verification  |
| 01-10 March 2017        | : | Local Preliminary Examinations / Fourth unit test   |
| 08 March 2018           | : | World Women's Day : Special Program Women development committee   |
| 02 March 2018           | : | <b>Dhulivandan (Holiday)</b>  |
| 15 Mar – 30 April 2018  | : | Conduct/plan of University Annual Examination, as per schedule  |
| 17 March 2018           | : | World Physically Challenged Day (Geography Dept)  |
| 18 March 2018           | : | <b>Gudi Padwa (Holiday)</b>   |
| 30 March 2018           | : | <b>Good Friday (Holiday)</b>  |
| 31 March 2018           | : | Report on Syllabus Progress / DTR Verification  |
| 07 April 2018           | : | World Health Day : Special Programmes (Zoology Dept)  |
| 11 April 2018           | : | <b>Mahatma Phule Jayanti</b>  |
| 14 April 2018           | : | Dr.Babasaheb Ambedkar Birth Anniversary : Special Programmes  |
| 23 April 2018           | : | Submission of DTR, API, Self Appraisal, Report on Syllabus completion, Meeting of the Staff.                                  |
| 02 May to 14 June 2018  | : | Summer Vacation.  |
| 01 May 2018             | : | Maharashtra Day;  |
| 15 June 2018            | : | Opening Day of 2018-19 Academic Year  |

N.B. : The activities given above be implemented besides completion of the assigned teaching work.



# Shrikrishna Mahavidyalaya, Gunjoti

Tq. Omerga, Dist. Osmanabad

Appendix - "A"

## Academic Calendar For the Year 2017-2018

| <b>First Term</b>  |  |  |
|--------------------|--|--|
| 1.                 | Opening Day of Affiliated Colleges and Recognized Institutions as per the Provisions of Ordinance-169  | 15-06-2017                             |
| 2.                 | Term (Both days inclusive)   | 15-06-2017 to 14-10-2017               |
| 3.                 | Admission of P.G. Courses (III Semester) and U.G. Classes (III & V Semester)   | 15-06-2017 to 20-06-2017               |
| 4.                 | Commencement of P.G. Classes (III Semester) and U.G. Classes (III & V Semester)  | 21-06-2017                             |
| 5.                 | Notification of Common Entrance Test.  | 12-06-2017                             |
| 6.                 | Registration of CET Examination  | 12-06-2017 to 03-07-2017               |
| 7.                 | Conduction of CET Examination : P.G. Courses (excluding CET Exam conducted by Central Govt. And State Govt. ) Complete the admission process | 10-07-2017<br>12-07-2017 to 15-08-2017 |
| 8.                 | Commencement of Classes of First Semester  | (UG) 21-06-2017<br>(PG) 16-08-2017     |
| 9.                 | Submission of Eligibility Forms by the students at college.  | 20-08-2017                             |
| 10.                | Welcome address and introduction of C.B.C. and G.S. (U.G. Students)  | 30-06-2017                             |
| 11.                | Last date for submission of Eligibility Forms by College to University   | 31-08-2017                             |
| 12.                | Winter Vacation (Both days inclusive)  | 16-10-2017 to 05-11-2017               |
| 13.                | Re-opening of College  | 06-11-2017                             |
| 14.                | Term End Examination (I, III, V Semester)  | 06-11-2017 to 01-12-2017               |
| <b>Second Term</b> |  |  |
| 15.                | Second Term (Effective Teaching Period) (Both days inclusive)  | 02-12-2017 to 21-03-2018               |
| 16.                | Commencement of classes for all courses  | 02-12-2017                             |
| 17.                | Declaration of Result First Term End Examination   | 10-01-2018                             |
| 18.                | Declaration of Term end Examination Programme  | 22-03-2018 to 20-04-2018               |
| 19.                | Declaration of the Result of Second Term end Examination   | 01-06-2018                             |
| 20.                | Term End Examination (II, IV VI Semester)  | As per schedule                        |
| 21.                | Summer Vacation (Both days inclusive)  | 02-05-2018 to 14-06-2018               |
| 22.                | As per the provisions of Ordinance - 169 First Opening day for the Academic year 2018-2019   | 15-06-2018                             |

|      |    |  |
|------|----|--|
| N.B. | 1. | The Colleges must adopt at least 180 working days, i.e. there should be a minimum of 30 weeks of actual teaching in a 6 day week of the remaining period, 12 weeks may be devoted to admission and examination, activities and non-instructional days for co-curricular, sports, college day etc. 10 Weeks for vacations and 2 weeks may be attributed to various public holidays approximately. |
|      | 2. | All faculty members should maintain 40 working hours and 20 teaching hours record in a week in the daily teaching report.  |
|      | 3. | The examination of all students shall be conducted by the Examination Section as per their own schedule.   |
|      | 4. | Circular of Public Holidays and other Cultural Programmes are enclosed herewith for your information & necessary action.   |
|      | 5. | The result of the students of each term should be declare by the University within 30 days from the last date of the examination for that particular course as per the Provisions of Section-72 of the Maharashtra Universities Act, 1994. It should be mandatory & obligatory on the concerned authority.   |
|      | 6. | It is also informed that where less than 10 students for any course run at college level the University could not take the examination of the such students, as per the decision of Academic Council at its meeting held on 19-06-2012 which may please be note.   |
|      | 7. | For any inconvenience is caused within the students and college administration a Biometric System should be follows for the attendance of the students.  |
|      | 8. | Students Centric activities shall be conducted on every Second & Fourth Saturday by the Department.  |
|      | 9. | On the basis of this Academic Calendar every department shall prepare detail academic calendar along with examination programme for the year 2017-2018.  |



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Tq. Omega Dist. Osmanabad

## Teaching Days Calendar 2017-18

| Sr. No.   | Months    | Teaching Days  | Total Days | Sunday   | Holiday           |
|---|-----------|--|------------|--|-------------------|
| <b>First Term – 15 June to 14 October 2017</b>                                      |           |  |            |  |                   |
| 1   | June      | 20,21,22,23,24,27,28,29,30   | 09         | 25   | 26                |
| 2   | July      | 1,3,4,5,6,7,8,10,11,12,13,14,15,17,18,19,20,21,22,24,25,26,27,28,29,31   | 26         | 2,9,16,23,30   | ---               |
| 3   | August    | 1,2,3,4,5,7,8,9,10,11,12,16,18,19,21,22,24,26,28,29,21                   | 21         | 6,13,20,27   | 14,15,17,23,25,30 |
| 4   | September | 1,4,5,6,7,8,9,11,12,13,14,15,16,18,19,20,21,22,23,25,26,27,28            | 23         | 3,10,17,24   | 2,29,30           |
| 5   | October   | 3,4,5,6,7,9,10,11,12,13,14   | 11         | 1,8  | 2                 |
|   |           | <b>Total</b>   | <b>90</b>  |  |                   |
| First term - Total working days 94, Total teaching days 90, Total Admission days 04 |           |  |            |  |                   |
| Winter Holidays 16 October 2017 to 05 November 2017                                 |           |  |            |  |                   |
| First Term Examinations 06 November 2017 to 01 December 2017 (Total Exam days 22)   |           |  |            |  |                   |
| <b>Second Term – 06 November 2017 to 01 May 2018</b>                                |           |  |            |  |                   |
| 6   | December  | 2,4,5,6,7,8,9,11,12,13,14,15,16,18,19,20,21,22,23,26,27,28,29,30         | 24         | 3,10,17,24,31  | 1,25              |
| 7   | January   | 1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,20,22,23,24,25,26,27,29,30,31 | 26         | 7,14,21,28   | 26                |
| 8   | February  | 1,2,3,5,6,7,8,9,10,12,14,15,16,17,20,21,22,23,26,27,28                   | 21         | 4,11,18,25   | 13,19,24          |
| 9   | March     | 1,3,5,6,7,8,9,10,12,13,14,15,16,17,19,20,21,22,23                        | 18         | 4,11,18  | 2                 |
|   |           | <b>Total</b>   | <b>90</b>  |  |                   |
| Second term - Total working days 142, Total teaching days 90, Total exam days 30    |           |  |            |  |                   |
| Second Term Examinations 23 March 2018 to 30 April 2018 (Total Exam days 30)        |           |  |            |  |                   |
| Summer Vacation 02 May 2018 to 14 June 2018   |           |  |            |  |                   |
| <b>Total Working Days</b>   |           | <b>= 236</b>   |            | <b>30 weeks for Teaching</b><br><b>12 weeks for admission, Exam</b><br><b>10 weeks for Vacation</b><br><b>02 weeks for Holidays.</b> |                   |
| <b>Total Teaching Days</b>  |           | <b>= 180</b>   |            |  |                   |
| <b>Examination Days</b>   |           | <b>= 52</b>  |            |  |                   |
| <b>Curricular and Extracurricular activities</b>                                    |           | <b>= 35</b>  |            |  |                   |
| <b>Winter vacation days</b>   |           | <b>= 21</b>  |            |  |                   |
| <b>Summer Vacation Days</b>   |           | <b>= 44</b>  |            |  |                   |



2017-18

| SY NO. | Name                   | Signature |
|--------|------------------------|-----------|
| 1      | Dr. D. R. Kulkarni     |           |
| ✓ 2    | Shri H.S. Bhosale      | ✓         |
| • 3    | Dr. B.E. Kohale        | ✓         |
| • 4    | Shri P.G. Choudhari    | ✓         |
| ✓ 5    | Dr. M.T. Suryawanshi   | ✓         |
| ✓ 6    | Dr. K.S. Lohar.        | ✓         |
| ✓ 7    | Dr. M.C. Khot.         | ✓         |
| ✓ 8    | Shri R.G. Koli         | ✓         |
| ✓ 9    | Dr. S.M. Patange       | ✓         |
| ✓ 10   | Dr. D.M. Pathan        | ✓         |
| • 11   | Dr. G.M. Rathod        | ✓         |
| ✓ 12   | Shri P.S. Raut         | ✓         |
| ✓ 13   | Dr. Miss. A.M. Chisti. | ✓         |
| ✓ 14   | Shri N.J. Pawar        | ✓         |
| ✓ 15   | Shri S.S. Badarkar     | ✓         |
| ✓ 16   | Dr. J.A. Narwase       | ✓         |
| ✓ 17   | Shri R.N. Nigade       | ✓         |
| 18     | Dr. R.S. Madhe         | ✓         |
| 19     | Dr. V.S. Hogade        | ✓         |
| 20     | Shri Y.A. Vilapure     |           |
| ✓ 21   | Dr. B.J. Ugale         | ✓         |
| ✓ 22   | Dr. R.H. Kadam.        | ✓         |
| • 23   | Dr. D.P. Chavan        | ✓         |
| ✓ 24   | Dr. M.G. Ambuse        | ✓         |
| 25     | Shri S.S. Inamdar      |           |





2017-18

| SY NO. | Name                   | Signature |
|--------|------------------------|-----------|
| 1      | Dr. D. R. Kulkarni     |           |
| ✓ 2    | Shri H.S. Bhosale      | ✓         |
| • 3    | Dr. B.E. Kohale        | ✓         |
| • 4    | Shri P.G. Choudhari    | ✓         |
| ✓ 5    | Dr. M.T. Suryawanshi   | ✓         |
| ✓ 6    | Dr. K.S. Lohar.        | ✓         |
| ✓ 7    | Dr. M.C. Khot.         | ✓         |
| ✓ 8    | Shri R.G. Koli         | ✓         |
| ✓ 9    | Dr. S.M. Patange       | ✓         |
| ✓ 10   | Dr. D.M. Pathan        | ✓         |
| • 11   | Dr. G.M. Rathod        | ✓         |
| ✓ 12   | Shri P.S. Raut         | ✓         |
| ✓ 13   | Dr. Miss. A.M. Chisti. | ✓         |
| ✓ 14   | Shri N.J. Pawar        | ✓         |
| ✓ 15   | Shri S.S. Badarkar     | ✓         |
| ✓ 16   | Dr. J.A. Narwase       | ✓         |
| ✓ 17   | Shri R.N. Nigade       | ✓         |
| 18     | Dr. R.S. Madhe         | ✓         |
| 19     | Dr. V.S. Hogade        | ✓         |
| 20     | Shri Y.A. Vilapure     |           |
| ✓ 21   | Dr. B.J. Ugale         | ✓         |
| ✓ 22   | Dr. R.H. Kadam.        | ✓         |
| • 23   | Dr. D.P. Chavan        | ✓         |
| ✓ 24   | Dr. M.G. Ambuse        | ✓         |
| 25     | Shri S.S. Inamdar      | ✓         |



SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Tq. Omerga, Dist. Osmanabad

Date : 25/07/2017

Notice

All the teaching staff member of our college is informed that the Daily Teaching Report, Attendance, Academic Calendar for 180 days, Teaching Day Calendar and Annual Teaching Plan for the Academic Year 2017-2018 are being distributed. The information filled Annual Teaching Plan and Academic Calendar for 180 days must be submitted to Dr.B.J. Ugale on or before 31/07/2017.

  
Principal

PRINCIPAL  
Shrikrishna Mahavidyalaya,  
Gunjoti, Tq. - Omerga, Dist Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M.Sc. I<sup>st</sup> Year  
 Semester : I Paper No : Sl-I Paper Name : मराठी गद्य पद्य व  
व्यथोपनिष मराठी  
 Name Of Faculty : Chaudhari P.G.

| Chapter No.<br>Unit No. | Title / Subject                      | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--------------------------------------|--------------------|---------------|-----------------------------|--------|
| 1                       | सांख्यिक रक्षण - महादेव              | व्याख्यान          | 03            | 27, 28, 29 June             |        |
| 2.                      | अर्जुनसूत - संत एकनाथ                | "                  | 03            | July                        |        |
| 3                       | राजाची कर्तव्ये - रामचंद्रपंत अमात्य | "                  | 03            |                             |        |
| 4.                      | जिजाऊ आमची खूण जाळी - बांकेनवीस      | "                  | 03            |                             |        |
| 5.                      | वृद्धी सदाचरणाने वागा - लारावदिशिंदे | "                  | 03            |                             |        |
| 6.                      | परमेश्वराचे शविलव्य - क्षी.भ. मोटे   | "                  | 03            |                             |        |
| 7.                      | धुळी आतील रत्न - मुकुंदराज           | "                  | 03            |                             |        |
| 8.                      | कृश्चक गुरमीपद - संत नामदेव          | "                  | 03            |                             |        |
| 9                       | आगंदे ओवीया - संत विमल               | "                  | 03            |                             | August |
| 10.                     | भासा वांघोनी मराठीया - फादर शिफॉस    | "                  | 03            |                             |        |
| 11.                     | पूर्वनाथ दिशा - जनी जनादेव           | "                  | 03            |                             |        |
| 12.                     | पाडसदेवा - दासोपंत                   | "                  | 03            |                             |        |
| 13                      | आलिंगेद कृष्कर्म - रामदाद श्यामी     | "                  | 03            |                             |        |
| 14                      | ऐसे केले या गोवाके - संत शेष महामद   | "                  | 03            | September                   |        |
| 15                      | मन करा रे प्रसन्न - संत वृष्काराम    | "                  | 03            |                             |        |
| 16                      | वृद्ध्या प्रीतीने - होनाजी वाळा      | "                  | 03            |                             |        |

Signature of Faculty

Principal  
 Shrikrishna Mahavidyalaya, Gunjoti  
 Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty Arts/Sci: Arts / Science

Department: Marathi

Class: B.A./B.Sc. / M.A./ M.Sc. I<sup>st</sup> Year

Semister: I/II

Paper No: SI-I/II

Paper Name: गद्य पद्य व उपरोजिन मराठी

Name Of Faculty: Chauhan P.V.

| Chapter No.<br>Unit No. | Title / Subject                          | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|--------------------|---------------|-----------------------------|--------|
| 17.                     | सल्याग्रही वसव - वसवेश्वर                | व्याख्यात          | 03            | September<br>2017           |        |
| 18.                     | लेखन विषयक नियम                          | "                  | 03            |                             |        |
| 19.                     | विराम चिन्हे                             | "                  | 02            |                             |        |
| 20.                     | पद्य लेखन                                | "                  | 02            |                             |        |
| 21.                     | भाषांतर                                  | "                  | 02            |                             |        |
| द्वितीय शतक             |  |                    |               |                             |        |
| 1.                      | शिवल्ये कीर्तन - संत गाडगे कावा          | "                  | 03            | October<br>2017             |        |
| 2.                      | वेशान्ये भाषितव्य - डॉ. बाबासाहेब        | "                  | 03            |                             |        |
| 3.                      | लोकभाषा हीच ज्ञानभाषा - अशांताराव चव्हाण | "                  | 03            |                             |        |
| 4.                      | केवळे मरण - भाळचंद्र नेमाडे              | "                  | 03            |                             |        |
| 5.                      | दिणगी - रामराव झुंजार                    | "                  | 03            |                             |        |
| 6.                      | ग्रूक - महादेव गाभकवाड                   | "                  | 03            |                             |        |
| 7.                      | कुळवीण - म. फुले                         | "                  | 03            |                             |        |
| 8.                      | निर्झरास - बालकवी                        | "                  | 03            |                             |        |
| 9.                      | गद्य महाराष्ट्र गीत - शुक्रेका काट       | "                  | 03            |                             |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omega Dist. Solapur



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./ M.Sc. I<sup>st</sup> Year

Semester : II

Paper No : 21-11

Paper Name : 21 वी वी 9 उपविभाग मराठी

Name Of Faculty : \_\_\_\_\_

| Chapter No.<br>Unit No. | Title / Subject                       | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---------------------------------------|-----------------------|------------------|-----------------------------|--------|
| 10                      | आई - त्रेख                            | 24/20/17              | 03               |                             |        |
| 11                      | शिरोबा - वीर धवल परब                  | "                     | 03               |                             |        |
| 12                      | मन्दी लुटाळुटीचा - अरुण काळे          | "                     | 03               |                             |        |
| 13                      | बिरस्ता मंडा - गुणग मेनाम             | "                     | 03               |                             |        |
| 14                      | दुजयल्लेचा तिकण - शंभाजी शायळकर       | "                     | 03               |                             |        |
| 15                      | उलोखळे मंदिनी नक्षी - अजिमे नयाज      | "                     | 03               |                             |        |
| 16                      | वाप - शेणय अद्याय                     | "                     | 03               |                             |        |
| 17                      | काय अरुणतं प्रेम - प्रातिक्षा गायकवाड | "                     | 03               |                             |        |
| 18                      | धोषवाच्य                              | "                     | 03               |                             |        |
| 19                      | शेवाय लेखन                            | "                     | 02               |                             |        |
| 20                      | अहवाल लेखन                            | "                     | 02               |                             |        |
| 21                      | जाणिले लेखन                           | "                     | 02               |                             |        |
|                         |                                       |                       |                  |                             |        |
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Signature of Faculty

द्वितीय शतक समाप्त

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omurga Dist. Jalgaon



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./ M.Sc. I<sup>st</sup> (opt)

Semester : I

Paper No : II

Paper Name : नाट्यात्मि शिल्प

Name Of Faculty : Chaitanya P. G.

| Chapter No.<br>Unit No. | Title / Subject                  | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year | Remark |
|-------------------------|----------------------------------|-----------------------|------------------|-----------------------------|--------|
| 1.                      | दिवाकरांच्या नाट्य कृती          | व्याख्यान             |                  |                             |        |
|                         | 1. फारब्रुका पलंग - प्रस्तावना   | "                     | 02               |                             |        |
|                         | कथावस्तु                         | "                     | 02               |                             |        |
|                         | संविधानिक                        | "                     | 02               |                             |        |
|                         | समारोप                           | "                     | 02               |                             |        |
|                         | 2. विंगी - प्रस्तावना            | "                     | 02               |                             |        |
|                         | कथावस्तु                         | "                     | 02               |                             |        |
|                         | संविधानिक                        | "                     | 02               |                             |        |
|                         | समारोप                           | "                     | 01               |                             |        |
| 2.                      | उपरे - श. वं बोराडे : प्रस्तावना | "                     | 02               |                             |        |
|                         | कथावस्तु                         | "                     | 03               |                             |        |
|                         | संविधानिक                        | "                     | 02               |                             |        |
|                         | भूमिका                           | "                     | 02               |                             |        |
|                         | संदर्भ                           | "                     | 03               |                             |        |
|                         | समारोप                           | "                     | 03               |                             |        |

Signature of Faculty

प्रथम स्तर समाप्त

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omega Dist. Gananabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M.Sc. I  
Semester : II Paper No : IV Paper Name : शुद्धि माध्यमासाठी लेखन कौशल्ये  
Name Of Faculty : Chaulhan

| Chapter No. / Unit No. | Title / Subject                 | Method of Teaching | No. of Period | Duration Date/Month/year | Remark |
|------------------------|---------------------------------|--------------------|---------------|--------------------------|--------|
| 1.                     | वृत्तपत्राचे स्वरूप आणि महत्त्व | व्याख्यान          | 06            |                          |        |
| 2.                     | वाचनी लेखन                      | "                  | 06            |                          |        |
| 3.                     | स्तंभ लेखन                      | "                  | 06            |                          |        |
| 4.                     | मुळारवान                        | "                  | 06            |                          |        |
| 5.                     | संवाद लेखन                      | "                  | 06            |                          |        |
|                        | द्वितीय स्तर समोज               |                    |               |                          |        |
|                        |                                 |                    |               |                          |        |
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Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : MarathiClass : B.A./B.Sc. / M.A./ M.Sc. II<sup>nd</sup>Semester : IIIPaper No : VPaper Name : आद्युक्तिक मराठी वाङ्मयाचाName Of Faculty : Chaudhary P. G.शक्तिरास

| Chapter No.<br>Unit No. | Title / Subject                           | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|--------------------|---------------|-----------------------------|--------|
| 1.1                     | संस्कृतीची संकल्पना व स्वभाव - प्रस्तावना | व्याख्यान          | 03            |                             |        |
| 1.2                     | संस्कृती आणि शक्तिरास                     | "                  | 03            |                             |        |
| 1.3                     | संस्कृती आणि साहित्य - अंग: संघर्ष        | "                  | 02            |                             |        |
| 1.4                     | साहित्य आणि सामाजिक दृष्टी                | "                  | 02            |                             |        |
| 1.5                     | साहित्य आणि कला                           | "                  | 02            |                             |        |
| 1.6                     | गुरुकालेचा उदय                            | "                  | 02            |                             |        |
| 1.7                     | शाका पुस्तक मंडळी व शक्तिरास मिशनरी       | "                  | 02            |                             |        |
| 1.8                     | धार्मिक प्रबोधनाचा चळवळी                  | "                  | 02            |                             |        |
| 1.9                     | निष्पत्तीकांचा उदय                        | "                  | 02            |                             |        |
| 2                       | निबंध वाङ्मय                              | "                  | 02            |                             |        |
|                         | 1. लोकनिवासी                              | "                  | 03            |                             |        |
|                         | 2. म. फुले                                | "                  | 03            |                             |        |
|                         | 3. निबंध माळी                             | "                  | 04            |                             |        |
| 3.                      | कथा वाङ्मयाचे प्रादेशिक स्वरूप            | "                  | 05            |                             |        |
|                         | अल्फ्रेड क्रिष्ती काळखंडाची कथा           | "                  | 05            |                             |        |
|                         | कथा वाङ्मय - समावेश                       | "                  | 05            |                             |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./ M.Sc. II<sup>nd</sup>

Semester : III

Paper No : 5

Paper Name : माध्यमिक मराठी वाङमयाचा इतिहास

Name Of Faculty : Chavhanji P.V.

| Chapter No.<br>Unit No. | Title / Subject                     | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|-------------------------------------|--------------------|---------------|-----------------------------|--------|
| 4                       | कादंबरी वाङमय : प्रस्तावना          | उद्देशाने          | 03            |                             |        |
|                         | i) 1946 ते 1950 चा काळातील कादंबरी  |                    | 04            |                             |        |
|                         | ii) 1950 ते 1970 चा काळातील कादंबरी |                    | 04            |                             |        |
|                         | iii) समाप्ति                        |                    | 04            |                             |        |
|                         | प्रथम खण समाप्त                     |                    |               |                             |        |

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (201 -201 )

Faculty : Arts / Science

Department : मराठी

Class : B.A./B.Sc. / M.A./ M.Sc. II<sup>nd</sup> (opt)

Semester : IV

Paper No : VII

Paper Name : साहित्यिक मराठी वाङ्मयाचा

Name Of Faculty : Chauhan P.V.

अभ्यास

| Chapter No.<br>Unit No. | Title / Subject                       | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---------------------------------------|--------------------|---------------|-----------------------------|--------|
| 1.                      | माझ्या वाङ्मय : प्रस्तावना            | उद्दिष्टात्मक      | 05            |                             |        |
|                         | माझ्या वाङ्मय : मराठी पंथ पंथ व विकास | "                  | 03            |                             |        |
|                         | मराठी वाङ्मयाचा इतिहास                | "                  | 06            |                             |        |
|                         | आजच्या मराठी वाङ्मयाचे स्वरूप         | "                  | 05            |                             |        |
|                         | उत्तर १९२० चा काळातील वाङ्मय          | "                  | 04            |                             |        |
| 2                       | वाङ्मय : प्रस्तावना                   | "                  | 04            |                             |        |
|                         | मराठी वाङ्मयाचा इतिहास                | "                  | 06            |                             |        |
|                         | केशवकुल व समाजातील कवी                | "                  | 06            |                             |        |
|                         | समाज                                  | "                  | 01            |                             |        |
| 3.                      | चरित्र वाङ्मय : प्रस्तावना            | "                  | 03            |                             |        |
|                         | चरित्र वाङ्मयाचे स्वरूप               | "                  | 06            |                             |        |
|                         | लोकनात्मक वाङ्मय                      | "                  | 06            |                             |        |
|                         | समाज                                  | "                  | 06            |                             |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tal. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M.Sc. II (opt.)  
 Semister : III Paper No : VI Paper Name : इतिहास आणि साहित्य  
 Name Of Faculty : Chandhan P. V.

| Chapter No.<br>Unit No. | Title / Subject                      | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--------------------------------------|--------------------|---------------|-----------------------------|--------|
| 1                       | गणेशपूजा : प्रस्तावना                | व्याख्यान          | 04            |                             |        |
| 2                       | गणेशपूजा स्वरूप आणि कार्य            | "                  | 04            |                             |        |
| 3                       | गणेशपूजा वरील काव्य, चर्चा, मुळाव्या | "                  | 04            |                             |        |
| 4                       | गणेशपूजा वरील बालगीत                 | "                  | 04            |                             |        |
| 5                       | रूपक, मूर्ति, गणेशपूजा               | "                  | 04            |                             |        |
| 6                       | गणेशपूजाचा इतिहास                    | "                  | 04            |                             |        |
| 7                       | गणेशपूजाचा सांस्कृतिक अर्थ           | "                  | 04            |                             |        |
|                         |                                      | संचयन सेवा समाज    |               |                             |        |
|                         |                                      |                    |               |                             |        |
|                         |                                      |                    |               |                             |        |
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|                         |                                      |                    |               |                             |        |

Signature of Faculty

Principal  
 Shrikrishna Mahavidyalaya, Gunjoti  
 Tq. Omarga Dist. Manabhad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M.Sc. II<sup>nd</sup>

Semister : IV Paper No : VIII Paper Name : साहित्य प्रकारांतर आणि साहित्याचे माध्यम

Name Of Faculty : Chandhasi P. U.

| Chapter No. / Unit No. | Title / Subject                                     | Method of Teaching | No. of Period | Duration Date/Month/year | Remark |
|------------------------|---|--------------------|---------------|--------------------------|--------|
| 1                      | साहित्य प्रकारांतराची संकल्पना व स्वरूप             | व्याख्यान          | 03            |                          |        |
|                        | • साहित्य प्रकारांतर : मूळ रचनाबंध मोडून नवनिर्मिती |                    | 03            |                          |        |
|                        | • वाङ्मय प्रकारांतराची क्षेत्रकाला वाजारी आवश्यकता  |                    | 03            |                          |        |
|                        | • साहित्य प्रकारांतराची काही उदाहरणे                |                    | 03            |                          |        |
|                        | • साहित्य प्रकारांतर - सारांश                       |                    | 03            |                          |        |
| 2.                     | 'माध्यम' संकल्पना : प्रकार व वैशिष्ट्ये             |                    | 03            |                          |        |
|                        | • मूल्याची माध्यमे : मुद्रित शाल्य व दृक्शाल्य      |                    | 03            |                          |        |
|                        | • माध्यमे व साहित्य यांचा अनुबंध                    |                    | 03            |                          |        |
|                        | • माध्यमांसाठी साहित्याची आवश्यकता                  |                    | 03            |                          |        |
|                        | • माध्यम : आधुनिक काळाची गरज                        |                    | 03            |                          |        |
|                        | सुदुर्ग अग सहाय                                     |                    |               |                          |        |

Signature of Faculty

*[Signature]*  
**Principal**  
 Shrikrishna Mahavidyalaya, Gunjoti  
 Tal. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./ M.Sc. III

Semester : V

Paper No : XI

Paper Name : मध्ययुगीन मराठी वाङमयाचा

Name Of Faculty : P.V. Chaudhari

शास्त्रज्ञ (पारंगत वे १६००)

| Chapter No.<br>Unit No. | Title / Subject                                 | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|--------------------|---------------|-----------------------------|--------|
| 1                       | मराठीचा पारंगतकाळ व मुकुटसिद्धि                 | व्याख्या           | 02            |                             |        |
| 2                       | महानुभावपंच आंगित्यांचे वाङमयीन कार्य: प्रश्न   |                    | 01            |                             |        |
|                         | • महानुभाव पंचाचे पंचकृत्य                      | 11                 | 02            |                             |        |
|                         | • महानुभाव पंचाचे लक्षशाग                       | 11                 | 02            |                             |        |
|                         | • महानुभावांचे वाङमयीन कार्य                    | 11                 | 02            |                             |        |
|                         | • महानुभावांचे गद्य साहित्य                     | 11                 | 02            |                             |        |
|                         | • महानुभावांचे पद्य साहित्य                     | 11                 | 02            |                             |        |
| 3.                      | वारकरी संप्रदाय व त्यांचे वाङमयीन कार्य: प्रश्न | 11                 | 01            |                             |        |
|                         | • संत शास्त्रज्ञ                                | 11                 | 02            |                             |        |
|                         | • संत गाथा                                      | 11                 | 02            |                             |        |
|                         | • शास्त्रज्ञ पंचक                               | 11                 | 02            |                             |        |
|                         | • जगावार्ड                                      | 11                 | 02            |                             |        |
|                         | • दोआमेका                                       | 11                 | 02            |                             |        |
|                         | • कर्ममेका                                      | 11                 | 02            |                             |        |
|                         | • गोरा कुमार                                    | 11                 | 02            |                             |        |
|                         | • विसोबा खे-१२                                  | 11                 | 02            |                             |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./ M.Sc. III

Semester : V

Paper No : 21

Paper Name : सध्याशीत मराठी वाङ्मयाची

Name Of Faculty : Chaudhari P.V.

श्रीगणेश - (पारंगते १६००)

| Chapter No.<br>Unit No. | Title / Subject                 | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---------------------------------|--------------------|---------------|-----------------------------|--------|
| 9.                      | आवतामाही                        | व्याख्यान          | 02            |                             |        |
| 10.                     | नरहरी सोनार                     | "                  | 02            |                             |        |
| 11.                     | परिसा गागावण                    | "                  | 02            |                             |        |
| 12.                     | सेना नावी                       | "                  | 02            |                             |        |
| 13.                     | काव्योपासना                     | "                  | 02            |                             |        |
| Unit 4:                 | वहामनीकाळीन मराठी साहित्य       | "                  | 01            |                             |        |
|                         | 17 दलसंप्रदाय                   | "                  | 02            |                             |        |
|                         | 27 वासोपंत                      | "                  | 02            |                             |        |
|                         | 37 शेंग एकनाथ                   | "                  | 02            |                             |        |
|                         | 47 शेंग एकनाथांची वाङ्मयीन रचना | "                  | 02            |                             |        |
| Unit 5:                 | शेंग लुकाराम आणि शेंग रामदास    | "                  | 01            |                             |        |
|                         | 17 शेंग लुकाराम                 | "                  | 02            |                             |        |
|                         | 27 शेंग लुकारामाची गाथा         | "                  | 02            |                             |        |
|                         | 37 शेंग लुकारामाचे कवित्व       | "                  | 02            |                             |        |
|                         | 47 समर्थ रामदास                 | "                  | 02            |                             |        |
|                         | 57 समर्थ रामदासांचे साहित्य     | "                  | 02            |                             |        |

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./ M.Sc. II

Semester : VI

Paper No : XV

Paper Name : मध्ययुगीन मराठी वाङमय/  
इतिहास (१६०९ ते १८१८)

Name Of Faculty : \_\_\_\_\_

| Chapter No.<br>Unit No. | Title / Subject                | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--------------------------------|--------------------|---------------|-----------------------------|--------|
| 1                       | पंडिती साहित्य : प्रस्तावना    | व्याख्यात्मक       | ०२            |                             |        |
|                         | • पंडिती साहित्याच्या प्रेरणा  | "                  | ०२            |                             |        |
|                         | • पंडिती साहित्याचे स्वरूप     | "                  | ०२            |                             |        |
|                         | • पंडिती साहित्याची वैशिष्ट्ये | "                  | ०२            |                             |        |
|                         | • पंडिती साहित्य : समाशेष      | "                  | ०२            |                             |        |
| 2.                      | पंडिती कवी : प्रस्तावना        | "                  | ०२            |                             |        |
|                         | • मुक्तेश्वर                   | "                  | ०२            |                             |        |
|                         | • वामन पंडित                   | "                  | ०२            |                             |        |
|                         | • रघुनाथ पंडित                 | "                  | ०२            |                             |        |
|                         | • सामराज                       | "                  | ०२            |                             |        |
|                         | • त्रिधर                       | "                  | ०२            |                             |        |
|                         | • मोरोपंत                      | "                  | ०२            |                             |        |
|                         | • दत्त गजकार                   | "                  | ०२            |                             |        |
|                         | • समाशेष                       | "                  | ०२            |                             |        |
| 3.                      | शाहीरी वाङमय : प्रस्तावना      | "                  | ०२            |                             |        |
|                         | • शाहीरी वाङमय - प्रेरणा       | "                  | ०२            |                             |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (201 -201 )

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./ M.Sc. III

Semister : V

Paper No : 25

Paper Name : मध्ययुगीन मराठी वाङमयाचा

Name Of Faculty : \_\_\_\_\_

इतिहास (स.स. १६०० ते १९८८)

| Chapter No.<br>Unit No. | Title / Subject              | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|------------------------------|--------------------|---------------|-----------------------------|--------|
|                         | • शाहीरी वाङमयाचे स्वरूप     | व्याख्या           | ०२            |                             |        |
|                         | • शाहीरी वाङमयाची वैशिष्ट्ये | "                  | ०२            |                             |        |
|                         | • परशुराम                    | "                  | ०२            |                             |        |
|                         | • रामफोडी                    | "                  | ०२            |                             |        |
|                         | • होनाजी वाळा                | "                  | ०२            |                             |        |
|                         | • अनंत फेरी                  | "                  | ०२            |                             |        |
|                         | • शरणाग नाम                  | "                  | ०२            |                             |        |
|                         | • मृगाकर                     | "                  | ०२            |                             |        |
| ५.                      | वखर वाङमय : प्रेरणा          | "                  | ०२            |                             |        |
|                         | वखर वाङमयाचे स्वरूप          | "                  | ०२            |                             |        |
|                         | वखर वाङमयाची वैशिष्ट्ये      | "                  | ०२            |                             |        |
|                         | शिवपूर्वकाळीन वखरी           | "                  | ०२            |                             |        |
|                         | शिवकाळीन वखरी                | "                  | ०२            |                             |        |
|                         | पेशवे काळीन वखरी             | "                  | ०२            |                             |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti

Principal





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Maths

Class : B.A./B.Sc. / M.A./ M.Sc. III

Semister : V

Paper No : XII

Paper Name : सकल्य काय

Name Of Faculty : Chavabhuti P.V.

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|------------------|--------------------|---------------|-----------------------------|--------|
| <u>1</u>                | <u>सकल्य काय</u> | <u>व्याख्यान</u>   | <u>60</u>     | <u>I &amp; II Terms</u>     |        |
|                         |                  |                    |               |                             |        |
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Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omga Dist. Chikmagalur



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./ M.Sc. III

Semester : VII

Paper No : XVI

Paper Name : मराठी फीज

Name Of Faculty : Chandrasekhar P.S.

| Chapter No.<br>Unit No. | Title / Subject | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|-----------------|--------------------|---------------|-----------------------------|--------|
| 1.                      | मराठी फीज       | ऑनलाईन             | 60            |                             |        |
|                         |                 |                    |               |                             |        |
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Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tal. Osmanabad

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Academic Calender For 180 Days.

Faculty of Arts/Science/ Management Science

Academic Year(2017 -2018 )

( Department of marathi )

Name of Faculty Member Dr./Mr./ Miss. A.M. Chishti

| Term        | Month     | Working days | Theory Periods | Practical Periods | Total Periods |
|-------------|-----------|--------------|----------------|-------------------|---------------|
| First Term  | June      | 09           | 29             | —                 | 29            |
|             | July      | 26           | 64             | —                 | 64            |
|             | August    | 21           | 77             | —                 | 77            |
|             | September | 23           | 79             | —                 | 79            |
|             | October   | 11           | 29             | —                 | 29            |
|             | November  | —            | —              | —                 | —             |
| Total 1     |           | 90           | 278            | —                 | 278           |
| Second Term | December  | 24           | 79             | —                 | 79            |
|             | January   | 26           | 88             | —                 | 88            |
|             | February  | 21           | 77             | —                 | 77            |
|             | March     | 19           | 65             | —                 | 65            |
| Total 2     |           | 90           | 309            | —                 | 309           |
| Total 1 + 2 |           | 180          | 587            | —                 | 587           |

Total Working Days = 180

Total Theory Periods = 587

Total Practical Periods = Nil

  
Signature of Faculty Member



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./M.Sc. I<sup>st</sup>  
Semester : I<sup>st</sup> Paper No : I (CP) Paper Name : काव्यात्म साहित्य  
Name Of Faculty : CHISHTI A. M.

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year     | Remark |
|-------------------------|---|-----------------------|------------------|---------------------------------|--------|
| ①                       | निवडक कवींच्या कवितांचा अभ्यास<br>केशवसुत - ① कोणीकडून १ कोणीकडे<br>② मूर्तिभजन ③ तुतारी ④ कविता आणी<br>कवी ⑤ पीति. | व्याख्यान             | 10               | 20 जून ते 30 जून<br>2017        |        |
| ②                       | वहिवाबाई चौधरी - ① मन ② संसार<br>③ उगवले नारायण ④ शोषा<br>⑤ हिरीताचं देन घेनं.                                      | व्याख्यान             | 10               | 01 जुलै 2017 ते<br>12 जुलै 2017 |        |
| ③                       | कुसुमाग्रज - ① सात ② माळाचे मनोगत<br>③ स्वप्नांची समाप्ती ④ अश्वथामा<br>⑤ सर्वात्मिका शिक्कुंदरा.                   | व्याख्यान             | 10               | 13 जुलै ते 24<br>जुलै 2017      |        |
| ④                       | नारायण सुर्वे - ① दोन दिवस<br>② मनी ऑर्डर ③ कार्ल मार्क्स<br>④ तुम्हचं नाव लिवा<br>⑤ चार शब्द                       | व्याख्यान             | 10               | 25 जुलै ते 05<br>ऑगस्ट 2017     |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, G  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./M.Sc. 1st

Semester : I Paper No : I (01) Paper Name : काव्यात्म साहित्य

Name Of Faculty : CHISHTI A.M.

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year     | Remark |
|-------------------------|---|-----------------------|------------------|---------------------------------|--------|
| 5                       | अरुण कोलटकर - (1) श्रीज्ञानेश्वर समाधिचर्चन<br>(2) मेणक्ती (3) घागा (4) अन्न<br>(5) झुपाळी.   | व्याख्यान             | 10               | 07 ऑगस्ट ते<br>21 ऑगस्ट<br>2017 |        |
| 6                       | नमोदेव दसाळ - (1) वभावई आंबेडकर<br>(2) पानी (3) कॉम्प्रेड अर्थात 92 बलुतेदरां-<br>साठी (4) मुख्य म्हाताऱ्याने उंगर<br>हालविले. (5) अंधाराने सूर्य पाहिला<br>तेव्हा. | व्याख्यान             | 10               | 22 ऑगस्ट ते<br>04 सप्टेंबर 2017 |        |
|                         |   |                       |                  |                                 |        |
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Signature of Faculty

Principal  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (201 -201 )

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M.Sc. I st  
Semister : I st Paper No : II (opt) Paper Name : नात्यात्म साहित्य  
Name Of Faculty : CHISHTI A.m.

| Chapter No.<br>Unit No. | Title / Subject                  | Method of Teaching | No. of Period | Duration<br>Date/Month/year            | Remark |
|-------------------------|----------------------------------|--------------------|---------------|--|--------|
| 1.                      | मुलगी आली हो --- ज्योति महापसेकर | व्याख्यान          | 15            | 05 सप्टेंबर 2017                       |        |
| 2.                      | शातना उत्सव - कापू चौकडे.        | व्याख्यान          | 15            | 25 सप्टेंबर 2017<br>ने 14 ऑक्टोबर 2017 |        |
|                         |                                  |                    |               |  |        |
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Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omega Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./M.Sc. IInd

Semester : II

Paper No : III (50)

Paper Name : ग्रंथ-पद्य उपयोजित मराठी.

Name Of Faculty : Chishti A.M.

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|--------------------|---------------|-----------------------------|--------|
| ①                       | ग्रंथ विभाग.  | व्याख्यान          |               |                             |        |
| ①                       | दुखपती शिवाजी महाराजांच्या कार्याचे स्वरूप - प्र.न. देशपांडे. |                    | 04            | 20 ते 27 जुलै 2017          |        |
| ②                       | लोकसंस्कृती आणि जागतिकीकरण - डॉ. दत्ता मोशले.                 |                    | 04            | 28 ते 04 जुलै 2017          |        |
| ③                       | मरणानं उख साधला नशीवानं ठात दिला! - श्री सिध्दुनाई सपकाळ.     |                    | 04            | 05 जुलै ते 11 जुलै 2017     |        |
| ④                       | लीकराजे मा. झा. पवार साहेब - प्रा. लक्ष्मण ठोबळे.             |                    | 04            | 12 जुलै ते 18 जुलै 2017     |        |
| ⑤                       | वही - सुरेश पशील (इलेक्टर)                                    |                    | 04            | 19 जुलै ते 25 जुलै 2017     |        |
| ②                       | पद्य विभाग -  | व्याख्यान          |               |                             |        |
| ①                       | निष्कर्ष - सुहासिनी इलेक्टर                                   |                    | 03            | 26 जुलै ते 07 ऑगस्ट 2017    |        |
| ②                       | आकषाप्सुवदा - सदानंद सिनगारे.                                 |                    | 03            | 08 ऑगस्ट ते 10 ऑगस्ट 2017   |        |
| ③                       | सा-या घरालाच लागली वाळवी - पुदीप पशील.                        |                    | 04            | 14 ऑगस्ट ते 22 ऑगस्ट 2017   |        |
| ④                       | कुणबी माझा ! अनिल गव्हाणे.                                    |                    | 03            | 23 ऑगस्ट ते 28 ऑगस्ट 2017   |        |

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : मराठी

Class : B.A./B.Sc. / M.A./ M.Sc.

Semister : III

Paper No : III

Paper Name : गद्य-पद्य उपयोजित मराठी.

Name Of Faculty : Chishu A.M.

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration<br>Date/Month/year           | Remark |
|-------------------------|---|--------------------|---------------|---------------------------------------|--------|
| 5                       | वीरसा - बाबाशव मडावी.   | व्याख्यान          | 03            | 29 ऑग. ते 04 सप्टे. 2017              |        |
| 6                       | अरुंद दाशतून बाहेर पडताना - संजीवनी<br>तडगावकर  |                    | 04            | 05 सप्टे. ते 11 सप्टे. 2017           |        |
| 3                       | उपयोजित मराठी.  | व्याख्यान          |               |                                       |        |
| 1                       | परिभाषा : तंत्र स्वरूप व उपयोजन - स्वरूप<br>व वैशिष्ट्ये परिभाषेची आवश्यकता आणि<br>व्यवहारातील परिभाषा, काव्यलयीन परिभाषा.  |                    |               | 05 12 सप्टे 2017 ते 19<br>सप्टे. 2017 |        |
| 2                       | आकाशवाणी पुरस्कार माध्यम : लेखन तंत्र व<br>उपयोजन - आकाशवाणी स्वरूप आकाशवाणी<br>या पुरस्कार माध्यमाचे घटक, वातमा, मुद्रिका, | व्याख्यान          | 05            | 20 सप्टे ते 27 सप्टे<br>2017          |        |
| 3                       | पुस्तक परिचय : तंत्र व स्वरूप - वाङ्मय<br>वाङ्मयेतर लेखनाची परिचय - कथा, कादंबरी, कविता                                     |                    |               | 05 28 सप्टे. ते 02 ऑक्टो.<br>2017     |        |
| 4                       | जलनियोजन : तंत्र व स्वरूप - जलनियोजनाचे<br>महत्त्व जलनियोजन धरून आणी शेतती धरणातील<br>जलनियोजन, पिकांसंगी जलनियोजन.         |                    |               | 05 10 ऑक्टो. ते<br>14 ऑक्टो. - 2017   |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Amravati





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./M.Sc. Ind

Semister : IIIrd

Paper No : VI

Paper Name : दृकग्राह्य माध्यमांसाठी लेखन कौशल्य

Name Of Faculty : Chishmi A.M.

| Chapter No.<br>Unit No. | Title / Subject                          | Method of Teaching         | No. of Period | Duration<br>Date/Month/year         | Remark |
|-------------------------|--|----------------------------|---------------|-------------------------------------|--------|
| ①                       | दूरध्वनिवाणी                             | व्याख्यान                  | 15            | 23 जून 2017 ते<br>11 ऑगस्ट 2017     |        |
|                         | ① दूरध्वनिवाणी स्वरूप कार्य व विस्तार    |                            |               |                                     |        |
|                         | ② दूरध्वनिवाणी लेखन व निर्मिती           |                            |               |                                     |        |
|                         | ③ दूरध्वनिवाणी कार्यक्रमांचे प्रकार.     |                            |               |                                     |        |
|                         | ④ दूरध्वनिवाणी वरील वातम्या.             |                            |               |                                     |        |
| ②                       | संकेत स्थळ. -                            | व्याख्यान /<br>प्राव्यासिक | 15            | 12 ऑगस्ट 2017 ते<br>14 ऑक्टो. 2017. |        |
|                         | ① संकेतस्थळ संकल्पना आणि उपयोजन.         |                            |               |                                     |        |
|                         | ② संकेतस्थळाचा परिचय.                    |                            |               |                                     |        |
|                         | ③ संकेत स्थळावर साहित्यविषयक<br>घडामोडी. |                            |               |                                     |        |
|                         | ④ ई- डिजिटलरी, विषयकोष.                  |                            |               |                                     |        |

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Nashik



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./M.Sc. IIIrd

Semester : V

Paper No : IX

Paper Name : भारतीय साहित्यविचार

Name Of Faculty : Chishiti A.M.

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration<br>Date/Month/year             | Remark |
|-------------------------|---|--------------------|---------------|---|--------|
| 1                       | साहित्याचे स्वरूप.<br>व्याख्या (आमह, दंडी, हेमचंद्र, रुद्रट,<br>मम्मट, विश्वनाथ व इतर संस्कृत अर्था-<br>सकांच्या मतांचा विचार | व्याख्यान          | 15            | 20 जून ते 11 जुलै<br>2017               |        |
| 2.                      | साहित्याचे प्रयोजने - आमह, दंडी,<br>भरतमुनी, आदींची मते, मम्मटाचा<br>प्रयोजनाविचार.   | व्याख्यान          | 10            | 18 जुलै 2017 ते<br>03 ऑगस्ट 2017        |        |
| 3:                      | साहित्याची निर्मिती प्रक्रिया.<br>(प्रतिभा, व्युत्पन्नता अभ्यास व इतर<br>पूरक कारणे)  | व्याख्यान          | 10            | 07 ऑगस्ट 2017<br>ते 24 ऑगस्ट<br>2017    |        |
| 4.                      | रसविचार - भरतार्थ रससून<br>महोत्तम, जीशंकूक, महोनाथक व<br>आभिनवगुप्त यांच्या मतांचा विचार<br>रससंख्या<br>रसविघने.             | व्याख्यान          | 15            | 28 ऑगस्ट 2017<br>ते 20 सप्टेंबर<br>2017 |        |

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Shrikrishna Mahavidyalaya, Gunjoti

Tq. Omarga Dist. Solapur



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M/Sc.  
 Semester : V Paper No : IX Paper Name : भारतीय साहित्यकियार  
 Name Of Faculty : chishti A.m.

| Chapter No.<br>Unit No. | Title / Subject                                    | Method of Teaching | No. of Period | Duration<br>Date/Month/year         | Remark |
|-------------------------|--|--------------------|---------------|-------------------------------------|--------|
| 5.                      | शब्दशक्ती व अर्थकियार -<br>आभिया, लक्षणा, व्यंजना. | व्याख्यान          | 10            | 24 सप्टेंबर 2017<br>12 ऑक्टोबर 2017 |        |
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Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : marathi Class : B.A./B.Sc. / M.A./ M.Sc.

Semister : V Paper No : X Paper Name : भाषाविज्ञान

Name Of Faculty : Chishmi A.M.

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year          | Remark |
|-------------------------|---|-----------------------|------------------|--------------------------------------|--------|
| 1                       | भाषेचे स्वरूप - भाषेच्या विविध व्याख्या<br>भाषेची वैशिष्ट्ये। नक्षत्रे, भाषेबाबतचे<br>समज-गैरसमज, भाषा पुक संकेत प्रवर्तनी  | व्याख्यान             | 15               | 20 जून 2017 ते<br>17 जुलै 2017       |        |
| 2.                      | स्वन व स्वनिम विचार -<br>स्वनिमविचार स्वनविचार स्वनान्ये स्वरूप<br>स्वनमिति प्रक्रिया, स्वनान्ये वर्गीकरण   | व्याख्यान             | 10               | 18 जुलै 2017 ते<br>05 ऑगस्ट 2017     |        |
| 3.                      | स्वनिमविचार -<br>स्वनिमविचार संकल्पना,<br>स्वनिम निश्चितीची तत्त्वे (विनियोग)<br>स्वनिमान्ये प्रकार<br>① अडित प्रकृत स्वनिम<br>② अडाथिष्ठित स्वनिम (वलाधाम, शिमा-<br>संधी, सुबावली नासिक्यरंजन, मराठीची<br>स्वनिम व्यवस्था. | व्याख्यान             | 15               | 07 ऑगस्ट 2017<br>ते 05 सप्टेंबर 2017 |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad

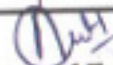


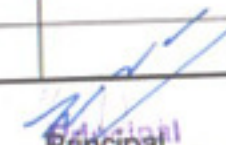
# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./M.Sc.  
 Semester : V Paper No : X Paper Name : भाषाविज्ञान  
 Name Of Faculty : Chishhti A.M.

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration<br>Date/Month/year              | Remark |
|-------------------------|---|--------------------|---------------|--|--------|
| 4.                      | रूपिम आणि पदक्वार् - भाषिक रूप<br>आणि रूपिका रूपिका आणि शब्द यातील<br>फरक, रूपिका - रूपिम - रूपिकांतर | व्याख्यान          | 10            | 08 ऑक्टोबर 2017 ते<br>07 नोव्हेंबर 2017. |        |
| 5.                      | पुमानभाषा व वेलीभाषा<br>वर्णनात्मक व ऐतिहासिक भाषाविज्ञान   | व्याख्यान          | 10            | 09 ऑक्टोबर 14<br>ऑक्टो - 2017.           |        |
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Signature of Faculty

  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Omerga



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./M.Sc.  
Semester : II Paper No : III Paper Name : कथात्म साहित्य.  
Name Of Faculty : Chishti A.m.

| Chapter No.<br>Unit No. | Title / Subject                        | Method of Teaching | No. of Period | Duration<br>Date/Month/year        | Remark |
|-------------------------|--|--------------------|---------------|------------------------------------|--------|
| 1.                      | सत्यता पावसाळ्यांतील राज - वी. रघुनाथ. | व्याख्या           | 05            | 02 डिसेंबर 2017 ते 07 डिसेंबर 2017 |        |
| 2.                      | आमक्या - अण्णाभाऊ साठे                 | "                  | 05            | 08 डिसेंबर ते 13 डिसेंबर 2017      |        |
| 3.                      | अंतःकरणाचे रत्नदीप - विभावरी शिरूरकर   | "                  | 06            | 14 डिसेंबर ते 20 डिसेंबर 2017      |        |
| 4.                      | नदीकाठ्या प्रकार - द.मा. मिरासदार.     | "                  | 05            | 21 डिसेंबर ते 27 डिसेंबर 2017      |        |
| 5.                      | गांधीजी 2009 - रंगनाथ पठारे            | "                  | 05            | 28 डिसेंबर ते 02 जाने 2018         |        |
| 6.                      | आपण माणसात जमा नाही. - राजन गवस        | "                  | 06            | 03 जाने. 09 जाने 2018              |        |
| 7.                      | हिशोब - आरकर चंढनशिव                   | "                  | 06            | 10 जाने. ते 16 जाने 2018           |        |
| 8.                      | चोळी - आबासाहेब वाघमारे                | "                  | 05            | 17 जाने. ते 22 जाने 2018           |        |
| 9.                      | अण्णा - पुन.पी. उगिने.                 | "                  | 05            | 23 जाने. ते 27 जाने 2018           |        |
| 10.                     | केशी - ज्ञा.श. पंडित.                  | "                  | 06            | 28 जाने. ते 03 फेब्रु 2018         |        |
| 11.                     | तीन पावलं दान - कुमार बरात.            | "                  | 06            | 05 फेब्रु. ते 10 फेब्रु 2018       |        |
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Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omurga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./M.Sc.

Semister : II Paper No : IV Paper Name : मुद्रित माध्यमासाठी लेखन कौशल्ये

Name Of Faculty : Chishti A.M.

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration<br>Date/Month/year   | Remark |
|-------------------------|------------------|--------------------|---------------|-------------------------------|--------|
| 1.                      | अग्रलेख.         | व्याख्यान          | 06            | 12 फेब्रु. ते 17 फेब्रु. 2018 |        |
| 2.                      | समीक्षात्मक लेखन | "                  | 06            | 19 फेब्रु. ते 24 फेब्रु. 2018 |        |
| 3.                      | जाहिरात लेखन     | "                  | 06            | 26 फेब्रु. ते 03 मार्च 2018   |        |
| 4.                      | वाचकांची पत्रे   | "                  | 06            | 05 मार्च ते 10 मार्च 2018     |        |
| 5.                      | निविदा तयार करणे | "                  | 06            | 12 मार्च ते 17 मार्च 2018     |        |
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Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./M.Sc. II<sup>nd</sup>

Semister : IV

Paper No : IV (SU)

Paper Name : गद्य-पद्य व उपयोजित मराठी

Name Of Faculty : \_\_\_\_\_

| Chapter No.<br>Unit No. | Title / Subject                    | Method of Teaching | No. of Period | Duration<br>Date/Month/year            | Remark |
|-------------------------|------------------------------------|--------------------|---------------|--|--------|
|                         | गद्य विभाग                         | व्याख्यान          | 20            | 04 डिसेंबर 2017 ते<br>08 जानेवारी 2018 |        |
| 1.                      | विपाड - अंबादास केदार              |                    |               |  |        |
| 2.                      | भिरगी पेर - विजय जावळे.            |                    |               |  |        |
| 3.                      | काहूर - अंजली मथवाल.               |                    |               |  |        |
| 4.                      | गाथराज - पुकनाथ खिल्लारे           |                    |               |  |        |
| 5.                      | भूक - उमेश मोहिते.                 |                    |               |  |        |
|                         | पद्य विभाग.                        | व्याख्यान          | 20            | 09 जानेवारी 2018 ते<br>12 फेब्रु. 2018 |        |
| 1.                      | गर्भाशयात असताना - म.मो. जोशी      |                    |               |  |        |
| 2.                      | आवा - शिवाजी मारुती पाटील.         |                    |               |  |        |
| 3.                      | पाचराच्या मुलुखाले - कल्पना दुबाळ. |                    |               |  |        |
| 4.                      | जागलं - शिवाजी मरुती               |                    |               |  |        |
| 5.                      | कळसुजी वाहली - भारती रेवडकर        |                    |               |  |        |
| 6.                      | हिशीब चुकता करा - वि.सो. वराट.     |                    |               |  |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Om. Dist. Chhatrapati





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : marathi Class : B.A./B.Sc. / M/A/ M/Sc. Ind  
 Semester : IV Paper No : IV Paper Name : गद्य-वद्य व उपयोजित मराठी  
 Name Of Faculty : chishti A.m.

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching          | No. of Period | Duration<br>Date/Month/year          | Remark |
|-------------------------|---|-----------------------------|---------------|--------------------------------------|--------|
|                         | उपयोजित मराठी.  | व्याख्यात /<br>प्रात्यक्षिक | 20            | 13 फेब्रु - 2018 ते<br>19 मार्च 2018 |        |
| ①                       | संगणक क्षेत्रातील संकल्पना ; स्थूल परिचय<br>सॉफ्टवेअर हार्डवेअर, विंडोज फॉर्मिड, डेटा<br>संगणकाची कार्यक्षमता भारतीय समाजातील संगणकाचा<br>उपयोग   |                             |               |                                      |        |
| ②                       | संगणकाची वैशिष्ट्ये - अचूक काम प्रचंड<br>वेग कामाची अलगता माहितीचे संक्रमण व<br>आदर्शकामाची विविधता स्विकारक्षमता व<br>आदर्शकामाची विविधता स्विकारक्षमता व  |                             |               |                                      |        |
| ③                       | मराठी समाजातील संगणकाचा प्रभाव - सामाजिक<br>घोरगारचे मार्गदर्शन नैसर्गिक आपत्तीचे पूर्वकथन,<br>लोकसंख्याबद्धनेचे मार्गदर्शन गिवडूक व<br>मतदानक्षेत्र हवामानाच्या अंदाज वैज्ञानिक<br>संशोधन साहित्य क्षेत्रातील उपयोग. |                             |               |                                      |        |
| ④                       | इंटरनेट : स्वरूप आणि कार्यप्रणाली - इंटरनेट : अर्थ<br>आणि व्याख्या, वेबसाईट, ई-मेल, चॅट मार्किंग,<br>ब्राउझिंग, डाऊनलोड इंटरनेटचा भारतीय समाजा-<br>वरील प्रभाव, सामाजिक परिवर्तन, हवामानाच्या<br>अंदाज.               |                             |               |                                      |        |

Sig.ature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : संस्कृत Class : B.A./B.Sc. / M.A./ M.Sc.

Semister : IV Paper No : VIII Paper Name : साहित्य प्रकारांतर आणि

Name Of Faculty : Chandani A.M.

साहित्याचे माध्यमांतर

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration<br>Date/Month/year           | Remark |
|-------------------------|--|--------------------|---------------|---------------------------------------|--------|
| ①                       | माध्यमासाठीचे लेखन -   | व्याख्यान          |               |                                       |        |
| ①                       | मुद्रित माध्यमासाठीचे लेखन (स्कूल पत्रिका)<br>सदर लेखन स्फुटलेखन, अग्रलेख<br>ग्रंथपरिक्षण इ.)  |                    | 05            | 02 डिसेंबर 2017 ते<br>16 डिसेंबर 2017 |        |
| ②                       | प्राच्य माध्यमासाठीचे लेखन - श्रुतिका,<br>व नभोनाट्य लेखन  | व्याख्यान          | 05            | 22 डिसेंबर 2017 ते<br>02 फेब्रु. 2018 |        |
| ③                       | दृक - प्राच्य माध्यमासाठीचे लेखन<br>(पटकथा लेखन (मालिकेसाठी) साहित्य<br>- विषयक अन्यकार्यक्रम उदा. वाचाल तर<br>वाचाल साहित्यविषयक शप्पा, मुलाखती इ.) | व्याख्यान          | 05            | 03 फेब्रु. 2018 ते<br>17 फेब्रु. 2018 |        |
| ④                       | माध्यम लेखनाची वैशिष्ट्ये. (उदा. संवाद<br>लेखन चित्रिकाशाचे मान असणे, ध्वनी<br>संयोजन पार्श्वसंगीताचा वापर, कथेच्या<br>गुणगोलीन वेदस्थमयता इ.)       | व्याख्यान          | 05            | 23 फेब्रु. 2018 ते<br>05 मार्च 2018   |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Gananthad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./ M.Sc.

Semister : IV

Paper No : VII

Paper Name :

Name Of Faculty : Chishmi A.M.

साहित्य प्रकारांतर आणि साहित्याचे माध्यमांतर

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration<br>Date/Month/year  | Remark |
|-------------------------|---|--------------------|---------------|------------------------------|--------|
| 4.                      | साहित्याचे माध्यमांतर (चित्रपटाच्या विशेष संदर्भात)                       | व्याख्यान          | 10            | 09 मार्च ते<br>23 मार्च 2018 |        |
| ①                       | चित्रपट, पटकथा लेखनाचे स्वरूप.  |                    |               |                              |        |
| ②                       | कथा वा कादंबरीवरून चित्रपटकथा लेखनाचे वेगळेपण.                            |                    |               |                              |        |
| ③                       | लघुपट व लघुपटाचे कथालेखन.   |                    |               |                              |        |
| ④                       | मराठी साहित्य व चित्रपट : मुकअनुबंध<br>साहित्यकृती : ① नटवंग - मुक अनुबंध |                    |               |                              |        |
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Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M.Sc.

Semister : VI Paper No : XIII Paper Name : पारचात्य साहित्यविचार

Name Of Faculty : Chandhi A.M.

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration<br>Date/Month/year              | Remark |
|-------------------------|--|--------------------|---------------|--|--------|
| 1.                      | साहित्याचे स्वरूप -<br>व्याख्या - हॅमलेट, बार्बेन कोलरिज<br>कोलरीज, कार्लिन बर्डस्वर्थ, मॅथ्यू मॅथ्यू<br>अर्नोल्ड, कोट व इतर<br>लक्षण - कल्पना भावना बुद्धी लयव्यवस्थितता. | व्याख्यान          | 12            | 04 डिसेंबर 2017<br>ते 21 डिसेंबर<br>2017 |        |
| 2.                      | साहित्याची प्रशोधन - पंजाबनवादी<br>स्वप्नबंधन जिज्ञासापूर्ती आत्मविकास<br>उद्बोधन विश्वन. (कॅथॉसिस) व प्रचार   | व्याख्यान          | 12            | 26 डिसेंबर 2017<br>ते 15 जाने-2018       |        |
| 3.                      | साहित्याची निर्मिती प्रक्रिया - सिगमंड फ्रॉइड<br>कार्ल गुस्ताव युंग एफ.सी. प्रिन्कोट,<br>कोलरिज, टी.पुस. पालियट, मेरे कायगर<br>यांचे निर्मिती प्रक्रियेसंदर्भात मत.        | व्याख्यान          | 12            | 16 जाने. 2018 ते<br>12 फेब्रु. 2018      |        |
| 4.                      | माक्सवादी साहित्यविचार - कार्ल मार्क्सचा<br>साहित्याविषयक दृष्टिकोन, समाजवादी परंपरा<br>वाद, परीतमतेची संकल्पना, वाणिलकीची<br>संकल्पना.                                    | व्याख्यान          | 12            | 13 फेब्रु. 2018 ते<br>05 मार्च 2018      |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Guntur



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./ M.Sc. IIIrd

Semester : VI

Paper No : XIII

Paper Name : प्राश्नोत्तर आर्थिकशास्त्र

Name Of Faculty : Chishti A.M.

| Chapter No.<br>Unit No. | Title / Subject                       | Method of Teaching | No. of Period | Duration<br>Date/Month/year       | Remark |
|-------------------------|---------------------------------------|--------------------|---------------|-----------------------------------|--------|
| 5                       | ऐतिहासिक व मार्क्सवादी समीक्षा पद्धती | व्याख्यान          | 10            | 06 मार्च 2018 ते<br>21 मार्च 2018 |        |
|                         |                                       |                    |               |                                   |        |
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Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./M.Sc. III<sup>rd</sup>  
 Semester : VI Paper No : XIV Paper Name : व्याकरण व निबंध  
 Name Of Faculty : Chishti A.M.

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration<br>Date/Month/year        | Remark |
|-------------------------|--|--------------------|---------------|------------------------------------|--------|
| 1.                      | शब्दांच्या जाती व शब्दसंग्रह (समानार्थी, विरुद्धार्थी व अनेकार्थी)   | व्याख्यान          | 12            | 02 डिसेंबर 2017 ते 22 डिसेंबर 2017 |        |
| 2.                      | संधीविचार - स्वसंधी, व्यंजनसंधी, विसर्गसंधी  | व्याख्यान          | 13            | 23 डिसेंबर 2017 ते 15 जाने 2018    |        |
| 3.                      | समास - अव्ययीभाव समास तत्सुब समास, द्वंदसमास बहुव्रीही समास  | व्याख्यान          | 14            | 16 जाने 2018 ते 10 फेब्रु 2018     |        |
| 4.                      | अलंकार - शब्द अलंकार - श्लेष, अनुपास यमक, अर्थालंकार - उभया रूपक चेतनागुणीकती, अन्वोक्ती, क्वाभावोक्ती या प्रकारांचा अभ्यास. | व्याख्यान          | 15            | 12 फेब्रु 2018 ते 09 मार्च 2018    |        |
| 5.                      | निबंध<br>वा3. मधील निबंधलेखन<br>वैचारिक निबंध लेखन.  | व्याख्यान          | 08            | 10 मार्च 2018 ते 23 मार्च 2018     |        |

Signature of Faculty

Principal  
 Shrikrishna Mahavidyalaya, Gunjoti  
 Tq. Omurga Dist. Gomanabai

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Academic Calender For 180 Days.

Faculty of Arts/Science/ ~~Management Science~~

Academic Year(2017 -2018 )

( Department of Hindi )

Name of Faculty Member Dr./Mr./ Miss. B.E.Konace

| Term        | Month     | Working days | Theory Periods |        | Practical Periods |        | Total Periods |
|-------------|-----------|--------------|----------------|--------|-------------------|--------|---------------|
|             |           |              | B.A.H.S.       | B.A.S. | B.A.II            | B.A.IV |               |
| First Term  | June      | 09           | 07             | 07     | 04                | 10     |               |
|             | July      | 26           | 16             | 16     | 17                | 33     |               |
|             | August    | 21           | 15             | 15     | 14                | 28     |               |
|             | September | 23           | 14             | 14     | 15                | 31     |               |
|             | October   | 11           | 08             | 08     | 06                | 13     |               |
|             | November  | -            | -              | -      | -                 | -      |               |
| Total 1     |           | 90           | 60             | 60     | 56                | 115    |               |
| Second Term | December  | 24           | 17             | 17     | 16                | 31     |               |
|             | January   | 26           | 16             | 16     | 17                | 36     |               |
|             | February  | 21           | 15             | 15     | 13                | 29     |               |
|             | March     | 19           | 14             | 14     | 11                | 22     |               |
| Total 2     |           | 90           | 62             | 62     | 57                | 116    |               |
| Total 1 + 2 |           | 180          |                |        |                   |        |               |

Total Working Days = 236

Total Theory Periods = 588

Total Practical Periods = -

  
Signature of Faculty Member



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Hindi Class : B.A./B.Sc. / M.A./M.Sc. I  
Semester : I Paper No : I Paper Name : Samanya Hindi  
Name Of Faculty : Dr. B. E. Korale

| Chapter No.<br>Unit No. | Title / Subject                        | Method of Teaching       | No. of Period | Duration<br>Date/Month/year            | Remark |
|-------------------------|--|--------------------------|---------------|--|--------|
| 1)                      | परिचय, अभ्यासक और छंद                  | परिचयक<br>01/2018        | 02            | 21, 22 Jun                             |        |
| 2)                      | कथा संसार - कहानी साहित्य पर<br>प्रकाश | साधारण कथा<br>21/11/2018 | 02            | 23, 24 Jun                             |        |
| 3)                      | स्त्री और पुरुष                        | कथा लेखन<br>21/11/2018   | 04            | 28, 29, 30, 5 July                     |        |
| 4)                      | हृदय के डोले                           | कथा लेखन, साहित्य        | 04            | 6, 7, 8, 12 July                       |        |
| 5)                      | दो काँक                                | कथा लेखन, साहित्य        | 04            | 13, 14, 15, 19 July                    |        |
| 6)                      | गोरी                                   | कथा लेखन, साहित्य        | 04            | 20, 21, 22, 26 July                    |        |
| 7)                      | पुरुष कृष्ण                            | कथा लेखन, साहित्य        | 04            | 27, 28, 29 July, 2 Aug                 |        |
| 8)                      | पंचकाल                                 | साधारण कथा               | 05            | 3, 4, 5, 9, 10, Aug                    |        |
| 9)                      | अपरिचित                                | साधारण कथा               | 05            | 11, 12, 16, 18, 19 Aug                 |        |
| 10)                     | हिन्दी भाषा शुभान और विकास             | साधारण कथा               | 03            | 24, 26, 30 Aug                         |        |
| 11)                     | देवनागरी लिपि - सार और विकास           | साधारण कथा               | 04            | 31 Aug, 6, 7, 8 Sep                    |        |
| 12)                     | हिन्दी नलेकी का गानक रूप               | साधारण कथा               | 06            | 9, 13, 14, 15, 16, 20 Sep              |        |
| 13)                     | परिभाषिक अवधारणा - नव-संपन्न साहित्य   | साधारण कथा               | 07            | 21, 22, 23, 27, 28<br>Sep, 04, Oct Oct |        |
| 14)                     | पाठ्यपुस्तक पर पुनर्लेखन               | साधारण कथा               | 03            | 6, 7, 11 Oct                           |        |
| 15)                     | प्रश्नोत्तर                            | प्रश्नोत्तर              | 03            | 12, 13, 14 Oct                         |        |

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Chitradurga





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : Hindi Class : B.A./B.Sc. / M.A./M.Sc. ↑  
 Semester : I Paper No : II Paper Name : Sanskrit Hindi  
 Name Of Faculty : Dr. B.E. Konace

| Chapter No.<br>Unit No. | Title / Subject                      | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--------------------------------------|--------------------|---------------|-----------------------------|--------|
| 01)                     | पाठ्यपुस्तक और उद्देश्य              | व्यक्तिगत          | 02            | 02, 6 Dec                   |        |
| 02)                     | युद्ध का तत्वज्ञान                   | कक्षात्मक शिक्षण   | 03            | 07, 8, 9 Dec                |        |
| 03)                     | कर्म का भावना                        | do                 | 04            | 13, 14, 15, 16 Dec          |        |
| 04)                     | पाठ्यक्रम                            | do                 | 04            | 20, 21, 22, 23 Dec.         |        |
| 05)                     | संस्कृत का दिग्                      | do                 | 04            | 27, 28, 29, 30 Dec          |        |
| 06)                     | संस्कृत के तत्वज्ञान                 | do                 | 04            | 31, 5, 6 Jan.               |        |
| 07)                     | संस्कृत का विकास                     | do                 | 04            | 10, 11, 12, 13 Jan          |        |
| 08)                     | संस्कृत का विकास                     | do                 | 04            | 17, 18, 19, 20 Jan          |        |
| 09)                     | मानविकी लेखन - एवंशोधन, पत्रलेखन     | व्यक्तिगत          | 08            | 24 Jan to 7 Feb.            |        |
| 10)                     | प्रकाशना - निजी, सामाजिक, सांस्कृतिक | do                 | 08            | 8 Feb to 21 Feb.            |        |
| 11)                     | कंप्यूटर में हिन्दी का प्रयोग        | do                 | 04            | 21, 22, 23, 28 Feb.         |        |
| 12)                     | अनुवाद का स्वरूप और महत्त्व          | do                 | 05            | 1, 2, 3, 7. Mar.            |        |
| 13)                     | पाठ्यपुस्तक पर चर्चा                 | व्यक्तिगत          | 05            | 8, 9, 10, 14, 15 Mar        |        |
| 14)                     | संस्कृत के तत्वज्ञान                 | प्रश्नोत्तर        | 05            | 16, 17, 21, 22, 23 Mar.     |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Hindi Class : B.A./B.Sc./M.A./M.Sc. I  
 Semester : I Paper No : I Paper Name : UPangas Shritya  
 Name Of Faculty : Dr. B. P. Konale

| Chapter No.<br>Unit No. | Title / Subject                       | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---------------------------------------|--------------------|---------------|-----------------------------|--------|
| 1)                      | प्रद्वियम एवं पाठमडुम क उद्देश्य      | भा 2010            | 04            | 20, 21, 22, 27 July         |        |
| 2)                      | हिन्दी उपन्यास - स्वरूप एवं विकास     | भा 2010            | 04            | 28, 29, 30, 3, 4 July       |        |
| 3)                      | गणपति-मानसिक एवं कृतित्व              | भा 2010            | 04            | 5, 6, 10, 11 July           |        |
| 4)                      | आमिता- उपन्यास का संवेदनागत अध्ययन    | भा 2010            | 10            | 12 July to 27 July          |        |
| 5)                      | आमिता- उपन्यास का चिंतनगत अध्ययन      | do                 | 10            | 1 Aug. to 22 Aug.           |        |
| 6)                      | पिन्डू कंडरि का मानसिक एवं कृतित्व    | भा 2010            | 06            | 24 Aug to 5 Sep.            |        |
| 7)                      | आपका कंठी उपन्यास का संवेदनागत अध्ययन | भा 2010            | 10            | 6 Sep to 21 Sep.            |        |
| 8)                      | आपका कंठी उपन्यास का चिंतनगत अध्ययन   | do                 | 05            | 25, 26, 27, 28 Sep.         |        |
| 9)                      | पाठमडुम पर पुनर्व्याख्या              | do                 | 03            | 04, 5, 9 Oct.               |        |
| 10)                     | संवेदनागत लेखन                        | do                 | 03            | 10, 11, 12 Oct.             |        |

B. P. Konale  
Signature of Faculty

[Signature]  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Omerga



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Hindi Class : B.A./B.Sc./M.A./M.Sc. I

Semester : II

Paper No : II Paper Name : Gradya Sahitya

Name Of Faculty : \_\_\_\_\_

| Chapter No.<br>Unit No. | Title / Subject                        | Method of Teaching | No. of Period | Duration Date/Month/year | Remark |
|-------------------------|--|--------------------|---------------|--------------------------|--------|
| 1)                      | पुष्पकम - डॉ. उद्देश्य                 | आदिशिक्षण          | 02            | 04, 05 Dec               |        |
| 2)                      | कहानी का स्वरूप एवं विकास              | दो                 | 04            | 6, 7, 11, 12 Dec         |        |
| 3)                      | काव्याभास - कदाचित्त - संवेदन और शक्ति | आदिशिक्षण          | 25            | 13 Dec to 25 Jan 18      |        |
| 4)                      | संज्ञा स्वरूप विकास                    | दो                 | 04            | 29, 30, 31 Jan, Feb      |        |
| 5)                      | काव्य भास - काव्य - कथ्य और शक्ति      | दो                 | 21            | 5 Feb to 14 Mar          |        |
| 6)                      | पुष्पकम पर पुनः पर्यवेक्षण             | आदिशिक्षण          | 02            | 15, 20 Mar               |        |
| 7)                      | पुष्पकम, पुष्पकम                       | आदिशिक्षण          | 02            | 21, 22 Mar               |        |
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Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : Hindi Class : B.A./B.Sc./M.A./M.Sc. II  
Semester : III Paper No : V Paper Name : Kathakart Grandhysahitya  
Name Of Faculty : Dr. B. F. Konde

| Chapter No.<br>Unit No. | Title / Subject | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|-----------------|--------------------|---------------|-----------------------------|--------|
| 1)                      | विषय और विषय    | 01/20/10           | 02            | 23,24 June                  |        |
| 2)                      | विषय            | do                 | 25            | 27 Jun to 11 Aug            |        |
| 3)                      | विषय            | do                 | 25            | 12 Aug to 6 Oct             |        |
| 4)                      | विषय पर प्रयोग  | विषय, 4/20/10      | 05            | 6 Oct to 13 Oct             |        |
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Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Ganga



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Hindi

Class : B.A./B.Sc./M.A./M.Sc. II

Semister : IV

Paper No : VII

Paper Name : Adhunik Hindi Kavita

Name Of Faculty : Dr. B.F. Konale

| Chapter No.<br>Unit No. | Title / Subject                         | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|--------------------|---------------|-----------------------------|--------|
| 17                      | प्रायश्चित्त और उपदेश                   | 01/12/2017         | 03            | 02,4,5 Dec                  |        |
| 27                      | प्रायश्चित्त कविता पर प्रश्न            | 01/12/2017         | 02            | 8,9 Dec                     |        |
| 37                      | पुष्प सुभा (कवि) कविता संग्रह           | do                 | 25            | 11 Dec to 23 Jan            |        |
| 47                      | सुभा                                    | do                 | 25            | 27 Jan to 17 Mar            |        |
| 57                      | प्रायश्चित्त पर पुष्प सुभा कविता संग्रह | 01/12/2017         | 02            | 20,23 Mar                   |        |
|                         |   |                    |               |                             |        |
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Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Osmerga Dist. Osmerga



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Hindi

Class : B.A./B.Sc./M.A./M.Sc. III

Semister : V

Paper No : X

Paper Name : Adhitha Madhyakalin

Name Of Faculty : Dr. B.F. Konale

Hindi Sahitya Ka Itihaas

| Chapter No.<br>Unit No. | Title / Subject                           | Method of Teaching   | No. of Period | Duration<br>Date/Month/year       | Remark |
|-------------------------|---|----------------------|---------------|-----------------------------------|--------|
| 1)                      | प/6युद्ध एव दुष्टता                       | साक्षात्कार<br>लिखित | 02            | 20, 21 June                       |        |
| 2)                      | हिन्दी साहित्य इतिहास - लक्ष्मीधर शर्मा   | do                   | 06            | 22, 27, 28, 29 June<br>3, 4 July  |        |
| 3)                      | श्रीधर का साहित्यिक सांस्कृतिक लक्षण      | do                   | 05            | 5, 6, 10, 11, 12 July             |        |
| 4)                      | वीरदास, गण, महाराज साहित्य                | do                   | 05            | 13, 17, 18, 19, 20 July           |        |
| 5)                      | रघुनाथ - रघुनाथ, विद्यापति, गोकुल         | do                   | 06            | 20, 24, 25, 26, 27 July<br>1 Aug. |        |
| 6)                      | श्रीधर का साहित्यिक सांस्कृतिक लक्षण      | do                   | 06            | 2, 3, 7, 8, 9, 10 Aug             |        |
| 7)                      | संस्कृत साहित्य - राम आनंद, कुलशास्त्री   | do                   | 05            | 16, 21, 22, 24, 28 Aug.           |        |
| 8)                      | निर्मल आनंद - राम साहित्य, मुक्ति साहित्य | do                   | 05            | 29, 31 Aug 4, 5, 6 Sep.           |        |
| 9)                      | रघुनाथ - कवि, साहित्य, लक्ष्मी, रघुनाथ    | do                   | 05            | 7, 11, 12, 13, 14 Sep             |        |
| 10)                     | श्रीधर का साहित्यिक सांस्कृतिक लक्षण      | do                   | 05            | 18, 19, 20, 21, 25 Sep            |        |
| 11)                     | श्रीधर का साहित्य - राम आनंद, राम आनंद    | do                   | 03            | 26, 27, 28 Aug Sep                |        |
| 12)                     | रघुनाथ - कवि, रघुनाथ, लक्ष्मी             | do.                  | 03            | 3, 4, 5 Oct.                      |        |
| 13)                     | प/6युद्ध प/6 युद्ध                        | do                   | 02            | 9, 10 Oct.                        |        |
| 14)                     | प/6युद्ध                                  | प/6युद्ध             |               | 11, 12 Oct.                       |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Dahanu



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Hindi

Class : B.A./B.Sc./M.A./M.Sc. III

Semister : VI

Paper No : XIV

Paper Name : Adhunik Hindi Sahitya

Name Of Faculty : Dr. B. E. Konde

1A. Itihas

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|--------------------|---------------|-----------------------------|--------|
| 1)                      | पाठ्यपुस्तक एवं उद्देश्य   | परिचय              | 02            | 4, 5 Dec                    |        |
| 2)                      | आधुनिक काल   | do                 | 02            | 6, 7 Dec                    |        |
| 3)                      | कथनशास्त्र - आत्मकथन मुनीश कविता   | do                 | 03            | 11, 12, 13 Dec              |        |
| 4)                      | द्विवेदी मुनीश कविता   | do                 | 02            | 14, 18 Dec                  |        |
| 5)                      | छायावाद कविता  | do                 | 03            | 19, 20, 21 Dec              |        |
| 6)                      | प्रतीतिवाद कविता   | do                 | 03            | 26, 27, 28 Dec              |        |
| 7)                      | प्रयोगवाद कविता  | do                 | 02            | 1, 2 Jan                    |        |
| 8)                      | नई कविता   | do                 | 02            | 3, 4 Jan                    |        |
| 9)                      | सामकालिक कविता   | do                 | 02            | 8, 9 Jan                    |        |
| 10)                     | दलित आदिवासी कविता   | do                 | 02            | 10, 11 Jan                  |        |
| 11)                     | रचनाकाल - काल शास्त्र  | do                 | 05            | 15 Jan to 7 Feb.            |        |
| 12)                     | रचनाकाल - भाग 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100    | do                 | 10            | 8 Feb to 28 Feb             |        |
| 13)                     | रचनाकाल - भाग 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 | do                 | 08            | 1 Mar to 15 Mar             |        |
| 14)                     | पाठ्यपुस्तक परिचय, प्रयोगवाद   | do                 | 03            | 20, 21, 22 Mar              |        |

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Anandnagar



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (201 -201 )

Faculty : Arts / Science

Department : Hindi

Class : B.A./B.Sc./M.A./M.Sc. II)

Semister : VI

Paper No : XVI

Paper Name : Dr. B. E. Konde

Name Of Faculty : Dr B. E. Konde

| Chapter No.<br>Unit No. | Title / Subject           | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---------------------------|--------------------|---------------|-----------------------------|--------|
| 1)                      | लेखन पद्धति (अंशोपनामिका) | 011 20116          | 15            | 2 Dec to 26 Dec             |        |
| 2)                      | यकल्प लेखन - यकल्प विमोचन | do                 | 10            | 29 Dec to 13 Jan 17         |        |
| 3)                      | यकल्प लेखन                | do                 | 10            | 15 Jan to 2 Feb             |        |
| 4)                      | इयत्तु                    | do                 | 10            | 3 Feb to 17 Feb             |        |
| 5)                      | यकल्प लेखन                | do                 | 10            | 20 Feb to 10 Mar            |        |
| 6)                      | यकल्प                     | यकल्प 3            | 05            | 12 Mar to 23 Mar            |        |
|                         |                           |                    |               |                             |        |
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Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Academic Calender For 180 Days.

Faculty of Arts/Science/ Management Science

Academic Year(2017 -2018 )

( Department of Hindi )

Name of Faculty Member Dr./Mr./ Miss. Mahadeo C. Khot

| Term        | Month     | Working days | Theory Periods |     | Practical Periods |     |     | Total Periods |
|-------------|-----------|--------------|----------------|-----|-------------------|-----|-----|---------------|
|             |           |              | I              | II  | II                | III | III |               |
| First Term  | June      | 09           | 07             | 06  | 06                | 06  | 07  | 32            |
|             | July      | 26           | 17             | 17  | 17                | 17  | 17  | 85            |
|             | August    | 21           | 14             | 14  | 14                | 14  | 14  | 70            |
|             | September | 23           | 15             | 16  | 16                | 15  | 15  | 77            |
|             | October   | 11           | 08             | 07  | 07                | 07  | 08  | 37            |
|             | November  | -            | -              | -   | -                 | -   | -   | -             |
| Total 1     |           | 90           | 61             | 60  | 60                | 59  | 61  | 301           |
| Second Term | December  | 24           | 17             | 15  | 15                | 16  | 17  | 80            |
|             | January   | 26           | 16             | 19  | 19                | 17  | 16  | 87            |
|             | February  | 21           | 15             | 14  | 14                | 13  | 15  | 71            |
|             | March     | 19           | 13             | 17  | 17                | 17  | 13  | 77            |
| Total 2     |           | 90           | 61             | 65  | 65                | 63  | 61  | 315           |
| Total 1 + 2 |           | 180          | 122            | 125 | 125               | 122 | 122 | 616           |

Total Working Days = 180

Total Theory Periods = 616

Total Practical Periods = -

  
Signature of Faculty Member



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (201 -201 )

Faculty : Arts / Science Department : हिंदी Class : B.A./B.Sc./M.A./M.Sc. I

Semester : I Paper No : 21 Paper Name : नाटक शास्त्र

Name Of Faculty : प्रा. अ. एम. सी. शर्मा

| Chapter No.<br>Unit No. | Title / Subject             | Method of Teaching | No. of Period | Duration<br>Date/Month/year   | Remark |
|-------------------------|-----------------------------|--------------------|---------------|---|--------|
| 1.                      | विजयपर्व                    |                    | 22            | जुं 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22     |        |
| 2.                      | होरी: प्रेमभेद नाट्यरुपांतर |                    | 22            | जुं 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 |        |
| 3.                      | आंध्र आजादी की              |                    | 22            | सिते 23, 24, 25, 26, 27, 28, 29, 30, 31, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22            |        |

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : हिंदी

Class : B.A./B.Sc./M.A./M.Sc.

Semester : II

Paper No : हिंदी III

Paper Name : महाकाव्य साहित्य

Name Of Faculty : प्रा. डॉ. राम. सी. खेत

| Chapter No.<br>Unit No. | Title / Subject                                 | Method of Teaching | No. of Period | Duration<br>Date/Month/year            | Remark |
|-------------------------|---|--------------------|---------------|--|--------|
| 1. 1.                   | महाकाव्य नाम पुराण                              |                    | 8             | दि. 7, 8, 10, 11                       |        |
| 2.                      | शरणागत  |                    | 8             | दि. 12, 13, 14, 15                     |        |
| 3.                      | महाभारत की लौक                                  |                    | 8             | दि. 16, 17, 18, 19, 20, 21, 22         |        |
| 4.                      | काव्य उद्देश                                    |                    | 8             | दि. 23, 24, 25, 26, 27                 |        |
| 5.                      | रासना बंद है                                    |                    | 8             | दि. 28, 29, 30, 31, 1, 2, 3, 4         |        |
| 6.                      | कुवारी धरती                                     |                    | 8             | जाने 5, 10, 11, 12                     |        |
| 7.                      | पंडारसीत का कोट                                 |                    | 8             | जाने 13, 17, 18, 19                    |        |
| 2. 1.                   | प्रतिनिधि महिमा महाकाव्य 3 डॉक्टर साहवभी अंगुली |                    | 8             | जाने 20, 24, 25, 27                    |        |
| 2.                      | सक और दिन                                       |                    | 8             | जाने 31, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 |        |
| 3.                      | जान ल प्यार                                     |                    | 8             | जाने 14, 15, 16, 17                    |        |
| 4.                      | मादा मिठी                                       |                    | 8             | जाने 21, 22, 23, 24                    |        |
| 5.                      | उधम   |                    | 8             | जाने 28, मार्च 1, 2, 3                 |        |
| 6.                      | कालीकार और नारी                                 |                    | 8             | मार्च 7, 8, 9, 10                      |        |
| 7.                      | कपीतलसु का राजवंश                               |                    | 8             | मार्च 14, 15, 16, 17                   |        |
| 8.                      | कमाई किलकी                                      |                    | 3             |  |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tal. Omka, Dist. Omka



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : हिंदी

Class : B.A./B.Sc./M.A./M.Sc. II

Semester : III

Paper No : III

Paper Name : सामान्य हिंदी

Name Of Faculty : डॉ. रम. सी. खोत

| Chapter No.<br>Unit No. | Title / Subject                                    | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|--------------------|---------------|-----------------------------|--------|
| अ. १                    | मेरा जीवन  |                    | ४             | जून २०, २१, २२, २७          |        |
| २                       | नीलकण्ठ मार  |                    | ५             | जून २८, ३०, ३१, ३, ४, ५, ६  |        |
| ३                       | कुमारी   |                    | ५             | जून १०, ११, १२, १३, १७      |        |
| ४                       | शिरस के फूल  |                    | ५             | जून १८, १९, २०, २४, २५      |        |
| ५                       | सीतापर मैदानी                                      |                    | २             | जून २६, २७                  |        |
| आ. १                    | प्रयोजनमूलक भाषा का स्वरूप एवं महत्व               |                    | ३             | जून ३१ अगस्त १, २           |        |
| २                       | भाषा की परिभाषा विशेषताएँ एवं महत्व                |                    | ४             | अगस्त ३, ७, ८, ९            |        |
| ३                       | देशी कुराँ के परिप्रेक्ष्य में हिंदी भाषा का महत्व |                    | ४             | अगस्त १०, १६, २१, २२        |        |
| ४                       | भाषा शिक्षण की प्रक्रिया                           |                    | ४             | अगस्त २४, २८, २९, ३१        |        |
| ५                       | भाषा कौशल  |                    | ४             | सप्ट ४, ५, ६, ७             |        |
| ६                       | वाणिज्य व्यापार : तात्पर्य एवं स्वरूप              |                    | ३             | सप्ट ११, १२, १३, १४         |        |
| ७                       | वाणिज्य व्यापार के साधन                            |                    | ३             | सप्ट १४, १८, १९, २०         |        |
| ८                       | वाणिज्य व्यापारिक भाषा की संरचनात्मक विशेषताएँ     |                    | ४             | सप्ट २०, २१, २५, २६         |        |
| ९                       | व्यावसायिक पत्राचार                                |                    | ४             | सप्ट २७, २८, अगस्त ३, ४     |        |
| १०                      | वाणिज्य व्यापार एवं व्यापारिक प्रचार               |                    | ४             | अगस्त ५, ९, १०, ११          |        |
| ११                      | निबंध तात्पर्य, स्वरूप, निबंध रचना                 |                    | ४             | अगस्त १२                    |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Omerga



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : हिंदी Class : B.A./B.Sc./M.A./M.Sc. I  
Semester : IV Paper No : IV Paper Name : सामान्य हिंदी  
Name Of Faculty : डॉ. राम. सी. खेत

| Chapter No.<br>Unit No. | Title / Subject                                    | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|--------------------|---------------|-----------------------------|--------|
| अ. १.                   | स्मीधर   |                    | ४             | डिसे-४, ५, ६, ७             |        |
| २                       | डर कुमल हो गये                                     |                    | ४             | डिसे ११, १२, १३, १४         |        |
| ३                       | जहाँ आकाश नहीं दिखाई देता                          |                    | ४             | डिसे १८, १९, २०, २१         |        |
| ४                       | कुरितो लोडो, परिवार नहीं                           |                    | ५             | डिसे २६, २७, २८, २९, ३०     |        |
| ५.                      | स्वामी ज्ञानेन्द्र                                 |                    | ५             | जाने ३, ४, ८, ९, १०         |        |
| अ. १.                   | मिडिया लेखन, जनसंचार माध्यम विविध रूप              |                    | ५             | जाने ११, १५, १६, १७, १८     |        |
| २.                      | समाचार, रेडियो फीचर लेखन                           |                    | ५             | जाने २२, २३, २४, २५, २६     |        |
| ३                       | वैज्ञानिक तर्कतुल्य हिंदी लेखन का स्वरूप विशेषताएँ |                    | ५             | जाने ३०, ३१, फेब्रु १, ५, ६ |        |
| ४                       | पारिभाषिक शब्दावली भूमि, निर्माण कुसिद्धांतर       |                    | ५             | फेब्रु ७, ८, १२, १३, १४, १५ |        |
| ५                       | पारिभाषिक शब्दावली वैज्ञानिक (अ) पारिभाषिक         |                    | ५             | फेब्रु २०, २१, २२           |        |
| ६                       | वैज्ञानिक तर्कतुल्य अनुवाद स्वरूप और व्यवहार       |                    | ५             | फेब्रु २६, २७, २८           |        |
| ७                       | अधुनिक शोधन शब्द वाक्य, मुद्रित शोधन               |                    | ४             | मार्च ५, ६, ७, ८            |        |
| ८                       | अनुवाद, नैतिक अनुवाद                               |                    | ४             | मार्च १२, १३, १४, १५        |        |
| ९                       | मिडिया अनुवाद                                      |                    | ४             | मार्च १९, २०, २१, २२        |        |

Ram. S. Kh.  
Signature of Faculty

[Signature]  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : हिंदी Class : B.A./B.Sc./M.A./M.Sc. II  
 Semester : III Paper No : VI Paper Name : प्रयोजनमूलक हिंदी  
 Name Of Faculty : डॉ. राम सी शर्मा

| Chapter No.<br>Unit No. | Title / Subject                                  | Method of Teaching | No. of Period | Duration<br>Date/Month/year      | Remark |
|-------------------------|--|--------------------|---------------|----------------------------------|--------|
| 9. 9.                   | हिंदी नामकरण एवं विभिन्न अर्थ                    |                    | 3             | जून 20, 21, 22                   |        |
| 2.                      | भारतीय आर्थभाषा: विक्रमसामुद्रिक सामान्य भाषा    |                    | 3             | जून 27, 28, 30, 3                |        |
| 3.                      | हिंदी भाषा का साहित्यिक विकास                    |                    | 8             | जून 4, 5, 6, 7, 8, 9, 10, 11, 12 |        |
| 4.                      | हिंदी का आन्तराष्ट्रीय परिदृश्य                  |                    | 2             | जून 10, 11, 12                   |        |
| 2. 9.                   | मानक भाषा संकल्पना एवं स्वरूप                    |                    | 8             | जून 12, 13, 17, 18               |        |
| 2.                      | भाषा मानकीकरण प्रक्रिया पश्चात् लक्ष्य विशेषताएँ |                    | 8             | जून 19, 20, 24, 25               |        |
| 3.                      | मानक भाषा के स्वरूपगत संरचनागत विशेषताएँ         |                    | 8             | जून 26, 27, 31, 1, 2             |        |
| 4.                      | मानक हिंदी का विकास                              |                    | 8             | अगस्त 2, 3, 7, 8                 |        |
| 3. 9.                   | लिपि का उद्भव और विकास लिपि का तात्पर्य          |                    | 8             | अगस्त 9, 10, 16, 21              |        |
| 2.                      | देवनागरी लिपि का उद्भव और विकास                  |                    | 8             | अगस्त 22, 24, 28, 29             |        |
| 3.                      | देवनागरी लिपि का वैज्ञानिकता                     |                    | 8             | अगस्त 31, सितंबर 4, 5, 6         |        |
| 4.                      | इतिहासिक माध्यम एवं देवनागरी लिपि                |                    | 8             | सितंबर 7, 11, 12, 13, 14         |        |
| 4. 9.                   | प्रयोजनमूलक हिंदी तात्पर्य नामकरण, परिभाषा       |                    | 8             | सितंबर 18, 19, 20, 21, 25        |        |
| 2.                      | एवं स्वरूपगत विशेषताएँ                           |                    |               | 26, 27                           |        |
| 2.                      | प्रयोजनमूलक हिंदी, प्रयोगसंग एवं प्रयुक्तियाँ    |                    | 8             | अक्टूबर 28, नवंबर 1, 2           |        |
|                         |  |                    |               | 3, 4, 5, 9, 10, 11, 12           |        |

राम सी शर्मा  
Signature of Faculty

Principal  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
T. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : हिंदी

Class : B.A./B.Sc. / M.A./M.Sc.

Semister : IV

Paper No : VIII

Paper Name : प्रयोजनमूलक हिंदी

Name Of Faculty : डॉ. राम.सी. खोत

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration<br>Date/Month/year    | Remark |
|-------------------------|--|--------------------|---------------|--------------------------------|--------|
| १. १.                   | पारिभाषिक शब्दावली तात्पर्य पारिभाषा विशेषताएँ             |                    | ४             | डिसे ४, ५, ६, ७                |        |
| २.                      | पारिभाषिक शब्दावली निश्चारा कुलसंज्ञांत एवं इच्छितार्थ     |                    | ४             | डिसे ११, १२, १३, १४            |        |
| ३.                      | भारतीय पारिभाषिक शब्दावली समस्याएँ समाधान                  |                    | ४             | डिसे १८, १९, २०, २१            |        |
| ४.                      | हिंदी शब्दसंपदा, पारिभाषिक शब्दावली                        |                    | ४             | डिसे २६, २७, २८, २९            |        |
| २. १.                   | राजभाषा एवं राजभाषा अवधारणा एवं स्वल्प                     |                    | ४             | जन २, ३, ४, ४                  |        |
| २.                      | राजभाषा हिंदी का ऐतिहासिक परिप्रेक्ष्य, संवैधानिक प्रावधान |                    | ४             | जन ९, १०, ११, १५               |        |
| ३                       | राजभाषा हिंदी प्रचार प्रसार एवं संस्थागत कार्य             |                    | ५             | जन १६, १७, १८, २२, २३          |        |
| ४                       | राजभाषा हिंदी का प्रचार प्रसार वैयक्तिक कार्य              |                    | ५             | जन २४, २५, २६, ३०, ३१          |        |
|                         | महात्मा गांधी नेतृत्व शुरुआत चंद बाबू डा. आर.के.डी         |                    |               |                                |        |
| ३. १.                   | प्रयोजनमूलक हिंदी प्रादुर्भाव विचार विचार एवं व्यवहार      |                    | ४             | फेब्रु. १, ५, ६, ७             |        |
| २.                      | संज्ञा, प्रतीक एवं समाचार सिद्धांत एवं व्यवहार             |                    | ४             | फेब्रु. ८, १२, १४, १५          |        |
| ४. १.                   | प्रयोजनमूलक हिंदी अनुवाद स्वल्प एवं प्रक्रिया              |                    | ६             | फेब्रु. २०, २१, २२, २६, २७, २८ |        |
| २.                      | कथालया अनुवाद, वैज्ञानिक अनुवाद स्वल्प एवं समस्याएँ        |                    | ६             | मार्च ५, ६, ७, ८, १२, १३       |        |
| ३.                      | जनसंचार, माध्यमों में अनुवाद स्वल्प एवं समस्याएँ           |                    | २             | मार्च १४, १५, १९, २०           |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : हिंदी Class : B.A./B.Sc./M.A./M.Sc. III

Semister : V Paper No : IX Paper Name : प्रादेशिक भाषा साहित्य

Name Of Faculty : डॉ. रामेश्वरी खेत

| Chapter No.<br>Unit No. | Title / Subject                         | Method of Teaching | No. of Period | Duration<br>Date/Month/year   | Remark |
|-------------------------|---|--------------------|---------------|---|--------|
| 1.                      | प्रतिनिधि कविता - मराठी<br>डॉ. भाषा खेत |                    | 30            | जून 20, 23, 24, 27,<br>29, 30, जुलै 3, 4, 7, 8,<br>10, 11, 14, 15, 17, 18, 21,<br>22, 24, 25, 28, 29, 31<br>ऑगस्ट 1, 4, 5, 7, 8, 11, 12<br>18, 19 |        |
| 2.                      | पराधीन - कश्मीर प्रान्त                 |                    | 32            | ऑगस्ट 18, 19, 21, 22,<br>26, 28, 29<br>सितंबर 1, 4, 5, 8, 9, 11, 12<br>15, 16, 18, 19, 20, 23<br>25, 26<br>अक्टोबर 3, 6, 7, 9, 10,<br>13, 14      |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Ta. Om - 194 Dist. Osmanabad





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : हिंदी Class : B.A./B.Sc. / M.A. / M.Sc.  
Semester : II Paper No : 81 Paper Name : साहित्यशास्त्र  
Name Of Faculty : प्रा. डॉ. महेश्वर खोस

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|-----------------------|------------------|-----------------------------|--------|
| 1. 1.                   | साहित्य की स्वभाव एवं तात्पर्य                          |                       | 2                | जून 21, 22                  |        |
| 2.                      | संस्कृत आचार्यों द्वारा प्रस्तुत साहित्य की परिभाषाएँ   |                       | 2                | जून 23, 24                  |        |
| 3.                      | पाश्चात्य आचार्यों द्वारा प्रस्तुत साहित्य की परिभाषाएँ |                       | 2                | जून 28, 29                  |        |
| 4.                      | हिंदी विद्वानों द्वारा प्रस्तुत साहित्य की परिभाषाएँ    |                       | 2                | जून 30, जून 5               |        |
| 2. 1.                   | साहित्य के तत्व - भावतत्व                               |                       | 2                | जून 6, 7                    |        |
| 2.                      | विचार एवं बुद्धितत्व                                    |                       | 3                | जून 8, 12, 13               |        |
| 3.                      | कल्पना तत्व   |                       | 3                | जून 14, 15, 19              |        |
| 4.                      | शक्ति तत्व  |                       | 3                | जून 20, 21, 22              |        |
| 3. 1.                   | साहित्य के प्रयोजन एवं तात्पर्य                         |                       | 2                | जून 26, 27, 28              |        |
| 2.                      | संस्कृत आचार्यों द्वारा प्रस्तुत साहित्य के प्रयोजन     |                       | 2                | जून 28, 29                  |        |
| 3.                      | पाश्चात्य आचार्यों द्वारा प्रस्तुत साहित्य के प्रयोजन   |                       | 2                | अगस्त 2, 3                  |        |
| 4.                      | हिंदी विद्वानों द्वारा प्रस्तुत साहित्य के प्रयोजन      |                       | 2                | अगस्त 4, 5                  |        |
| 4. 1.                   | साहित्य के हेतु एवं तात्पर्य                            |                       | 2                | अगस्त 9, 10                 |        |
| 2.                      | संस्कृत आचार्यों द्वारा प्रस्तुत साहित्य के हेतु        |                       | 3                | अगस्त 11, 12, 16            |        |
| 3.                      | पाश्चात्य आचार्यों द्वारा प्रस्तुत साहित्य के हेतु      |                       | 3                | अगस्त 17, 19, 24            |        |
| 4.                      | हिंदी विद्वानों द्वारा प्रस्तुत साहित्य के हेतु         |                       | 2                | अगस्त 26, 31                |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Osman... Dist. Osman...





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : हिंदी Class : B.A./B.Sc.+M.A./ M.Sc.

Semister : VI Paper No : XIV Paper Name : \_\_\_\_\_

Name Of Faculty : प्रा. डॉ. एम. सी. खेतत साहित्यशास्त्र

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|-----------------------|------------------|-----------------------------|--------|
| 9-9                     | आंदोलन से साहित्य संघ परिभाषा  |                       | 9                | दि. 1                       |        |
| 2                       | आंदोलन के ताल  |                       | 2                | दि. 6,7                     |        |
| 3                       | आंदोलन के भेद  |                       | 8                | दि. 8,9,13,14,15,16,20      |        |
|                         |  |                       |                  | 21                          |        |
| 2-9                     | छंद से साहित्य संघ परिभाषा   |                       | 9                | दि. 22                      |        |
| 2                       | छंद के ताल   |                       | 9                | दि. 23                      |        |
| 3                       | छंद के प्रमुख भेद  |                       | 9                | दि. 27                      |        |
| अ                       | मानिक छंद - भौषाई दोहा, सोरठा, कुंडलिया<br>शेरा, हरिगीतिका, वरेष, आलका             |                       | 6                | दि. 28, 29, 30, 31, 1, 3    |        |
| आ                       | वार्णिक छंद - इंदुप्रजा, वसंततिलक, मालिनी<br>महाकाता, शिखारिणी, भुजंगप्रभात, लवैया |                       | 9                | दि. 4, 5, 6, 10             |        |
| 3-9                     | साहित्य विधाएं एवं वर्गीकरण  |                       | 9                | दि. 11, 12, 13, 17, 18, 19  |        |
| 2                       | प्रमुख विधाओं का लेखनीय स्वरूप   |                       | 2                | दि. 20                      |        |
| 3                       | दृश्यकाल: नाटक, रडियो, रेडियो नाटक,<br>घारांवादि                                   |                       | 8                | दि. 24                      |        |
| 4                       | अवकाश -  |                       | 2                | दि. 25                      |        |
|                         |  |                       | 8                | दि. 27, 31, 3, 9, 1, 2      |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omer, Dist. Osmaniabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (201 -201 )

Faculty : Arts / Science Department : \_\_\_\_\_ Class : B.A./B.Sc. / M.A./ M.Sc.  
Semister : \_\_\_\_\_ Paper No : \_\_\_\_\_ Paper Name : \_\_\_\_\_  
Name Of Faculty : \_\_\_\_\_

| Chapter No.<br>Unit No. | Title / Subject                      | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--------------------------------------|-----------------------|------------------|-----------------------------|--------|
| 1.                      | કવિતા - ① પૂર્વેક, મહાકાવ્ય રાસકાવ્ય |                       | 2                | 23-3,7                      |        |
|                         | ② મુદ્રાંક - ગિરિગાથ                 |                       | 2                | 23-8,9                      |        |
| 2.                      | ગદ્યવિદ્યા                           |                       |                  |                             |        |
| ક. કલાની                | 2 રૂપમાલ                             |                       | 8                | 23-10,14,15,16              |        |
| ક. નિબંધ                | ૪. જીવન                              |                       | 8                | 23-17,21,22,23              |        |
| ક. આત્મકથા              | ૬. સંગ્રહ                            |                       | 8                | 23-24 28,11,12              |        |
| ક. સંક્ષિપ્તનિબંધ       | ૮ રિપોર્ટ                            |                       | 8                | 23-3,7,8,9                  |        |
| ક. સ્લાઇડ               | ૧૦ સંસ્કૃત                           |                       | 8                | 23-10,14,15,16,17           |        |
|                         |                                      |                       |                  |                             |        |
|                         |                                      |                       |                  |                             |        |
|                         |                                      |                       |                  |                             |        |
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|                         |                                      |                       |                  |                             |        |
|                         |                                      |                       |                  |                             |        |
|                         |                                      |                       |                  |                             |        |

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tal. Omarga Dist. Osmanabad

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Academic Calender For 180 Days.

Faculty of Arts/Science/ ~~Management Science~~

Academic Year(2017-2018 )

( Department of English. )

Name of Faculty Member ~~Dr./Mr./Miss~~ Pawar N. J.

| Term        | Month     | Working days | Opt | Opt | Theory  | Opt | Practical | Total Periods |
|-------------|-----------|--------------|-----|-----|---------|-----|-----------|---------------|
|             |           |              | BAI | BAI | Periods | BAI | Periods   |               |
| First Term  | June      | 09           | 06  | 06  | 06      | 05  | 04        | 27            |
|             | July      | 26           | 17  | 17  | 17      | 13  | 14        | 78            |
|             | August    | 21           | 14  | 14  | 14      | 11  | 10        | 63            |
|             | September | 23           | 16  | 16  | 16      | 12  | 12        | 72            |
|             | October   | 11           | 07  | 07  | 07      | 04  | 05        | 30            |
|             | November  | -            | -   | -   | -       | -   | -         | -             |
| Total 1     |           | 90           | 60  | 60  | 60      | 45  | 45        | 270           |
| Second Term | December  | 24           | 15  | 15  | 15      | 13  | 11        | 69            |
|             | January   | 26           | 18  | 18  | 18      | 11  | 15        | 80            |
|             | February  | 21           | 14  | 14  | 14      | 11  | 10        | 63            |
|             | March     | 19           | 13  | 13  | 13      | 10  | 09        | 58            |
| Total 2     |           | 90           | 60  | 60  | 60      | 45  | 45        | 270           |
| Total 1 + 2 |           | 120          | 120 | 120 | 120     | 90  | 90        | 540           |

Total Working Days = 236.

Total Theory Periods = 540

Total Practical Periods = -

  
Signature of Faculty Member



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 - 2018)

SKMG / 1000 / 2017-18

Department of English

Class : B.A./B.Sc./M.A./M.Sc. I English-opt.

Faculty of Arts/Science

Semester I Paper No. II

Paper Name Reading Literature

Name of Faculty : Pawar N. J.

| Chapter No.<br>Unit No. | Title / Subject                               | Method of Teaching | No. of Period | Duration<br>Date/Month/Year | Remarks |
|-------------------------|---|--------------------|---------------|-----------------------------|---------|
| 01.                     | Introduction                                  | Lecture            | 02            | 20-21 June 2017             |         |
| 02.                     | Literary Genre - Sonnet                       | Lecture            | 04            | 22-06 to 29-06              |         |
| 03.                     | William Shakespeare<br>Life and Works         | Lecture            | 04            | 03-07 to 04-07              |         |
| 04.                     | Shakespeare's Sonnets                         | — " —              | 04            | 05-07 to 11-07              |         |
| 05.                     | 1. Sonnet No. 29                              | — " —              | 04            | 12-07 to 18-07              |         |
| 06.                     | 2. Sonnet No. 60                              | — " —              | 04            | 19-07 to 25-07              |         |
| 07.                     | 3. Sonnet No. 73                              | — " —              | 04            | 26-07 to 01-08              |         |
| 08.                     | 4. Sonnet No. 116                             | — " —              | 04            | 02-08 to 08-08              |         |
| 09.                     | 5. Sonnet No. 130                             | — " —              | 04            | 09-08 to 21-08              |         |
| 10.                     | Unit. 2 Fiction - R.K. Narayan - Life & Works | — " —              | 04            | 22-08 to 29-08              |         |
| 11.                     | Novel - The Guide - Chapterwise Summary       | — " —              | 16            | 31-08 to 27-09              |         |
| 12.                     | Revision                                      | — " —              |               |                             |         |
| 13.                     | University Theory Exam.                       | — " —              |               | November 2017               |         |

Sign. of Faculty

Principal

Shrikrishna Mahavidyalaya Gunjoti





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017- 2018)

SKMG / 1000 / 2017 - 18

Department of English

Class : B.A./~~B.Sc. MAJMS~~ I - Eng. Opt.

Faculty of Arts/Science

Semester II Paper No. IV

Paper Name Reading Literature

Name of Faculty : Pawar N.J.

| Chapter No.<br>Unit No. | Title / Subject                     | Method of Teaching | No. of Period | Duration<br>Date/Month/Year | Remarks |
|-------------------------|-------------------------------------|--------------------|---------------|-----------------------------|---------|
|                         | Unit. 1. <u>Sem-II.</u>             |                    |               |                             |         |
| 14.                     | <u>History of English Ode</u>       | <u>Lecture</u>     | <u>02</u>     | <u>04-05 Dec. 2017.</u>     |         |
| 15.                     | <u>John Keats - Life and Works.</u> | <u>- " -</u>       | <u>02</u>     | <u>06-12 to 07-12</u>       |         |
| 16.                     | <u>Ode.1- Ode to a Nightingale</u>  | <u>- " -</u>       | <u>04</u>     | <u>11-12 to 14-12</u>       |         |
| 17.                     | <u>ode.2- Ode to Autumn</u>         | <u>- " -</u>       | <u>04</u>     | <u>18-12 to 21-12</u>       |         |
| 18.                     | <u>ode.3- Ode on a Grecian Urn</u>  | <u>- " -</u>       | <u>04</u>     | <u>26-12 to 01-01</u>       |         |
| 19.                     | <u>Unit. 2. Drama</u>               |                    |               |                             |         |
|                         | <u>History of English Drama</u>     | <u>- " -</u>       | <u>02</u>     | <u>02-01 to 03-01</u>       |         |
| 20.                     | <u>20th Century Drama</u>           | <u>- " -</u>       | <u>04</u>     | <u>04-01 to 10-01</u>       |         |
| 21.                     | <u>G.B. Shaw - Life and Works.</u>  | <u>- " -</u>       | <u>04</u>     | <u>11-01 to 17-01</u>       |         |
| 22.                     | <u>Drama- Arms and the Man.</u>     | <u>- " -</u>       | <u>16.</u>    | <u>18-01 to 15-02</u>       |         |
| 23.                     | <u>Guest Lectures Unit Test</u>     | <u>- " -</u>       | <u>04.</u>    | <u>20-02 to 26-02</u>       |         |
| 24.                     | <u>Revision.</u>                    |                    |               |                             |         |
| 25.                     | <u>University Theory Exam.</u>      |                    |               | <u>March / April 2018.</u>  |         |

Sign of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 - 2018)

SKMG / 1000 / 2017-18

Department of English

Class : B.A./~~B.Sc./M.A./M.S.~~ III - Eng. Major.

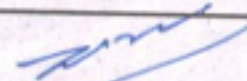
Faculty of Arts/~~Science~~

Semester V-VI Paper No. XII-XVI Paper Name \_\_\_\_\_

Name of Faculty : Paway N.J.

| Chapter No.<br>Unit No. | Title / Subject | Method of Teaching | No. of Period | Duration<br>Date/Month/Year | Remarks |
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Sign. of Faculty

  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 - 2018 )

SKMG / 1000 / 2017-18

Department of English

Class : B.A. ~~B.Sc./M.A./M.Sc.~~ III - Eng. Major.

Faculty of Arts/~~Science~~

Semester V-VI Paper No XII-XVI Paper Name Project Work on History of

Name of Faculty : Pawar N.J.

English Literature.

| Chapter No.<br>Unit No. | Title / Subject                                       | Method of Teaching | No. of Period | Duration<br>Date/Month/Year | Remarks                                     |
|-------------------------|---|--------------------|---------------|-----------------------------|---|
|                         | <u>sem - V</u>  |                    |               |                             |   |
| 01.                     | <u>Introduction</u>                                   | <u>Lecture</u>     | <u>02</u>     | <u>June 2017.</u>           |   |
| 02.                     | <u>Task-I - To know about the Project</u>             | <u>Guidance</u>    |               |                             |   |
| 03.                     | <u>Task-II - To select the Topic for the Project.</u> | <u>Guidance</u>    |               |                             | <u>It is a throughout the Year Process.</u> |
| 04.                     | <u>Task-III - To Register the Topic</u>               |                    |               |                             |   |
|                         | <u>sem - VI</u>                                       |                    |               |                             |   |
| 05.                     | <u>Completing the Project.</u>                        | <u>Guidance</u>    |               | <u>Feb/March 2017.</u>      |   |
|                         | * * *   | <u>— x —</u>       |               | *                           |   |

Sign of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Dist. Amangabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 - 2018)

SKMG / 1000 / 2017 - 18      Department of English      Class : B.A. ~~B.Sc./M.A./M.Sc.~~ III - Eng - Opt.  
Faculty of Arts/~~Science~~      Semester \_\_\_\_\_ Paper No. \_\_\_\_\_      Paper Name 20<sup>th</sup> Century English Literature.  
Name of Faculty : Power N.J.1

| Chapter No.<br>Unit No. | Title / Subject | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/Year | Remarks |
|-------------------------|-----------------|-----------------------|------------------|-----------------------------|---------|
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Sign. of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 - 2018)

SKMG / 1000 / 2017-18

Department of English

Class : B.A./~~B.Sc./M.A./M.Sc.~~ III - Eng. opt.

Faculty of Arts/~~Science~~

Semester VI Paper No. XIII

Paper Name 20th Century English - Literature.

Name of Faculty : Pawar N. J.

| Chapter No.<br>Unit No. | Title / Subject <u>sem - VI</u>                             | Method of Teaching | No. of Period | Duration<br>Date/Month/Year | Remarks |
|-------------------------|---|--------------------|---------------|-----------------------------|---------|
| 20.                     | Unit - 02. Drama. Look Back in Anger<br>20th Century Drama. | Lecture            | 02            | 04-01 to 08-01              |         |
| 21.                     | John Osborne - Life & Works                                 | - " -              | 04            | 09-01 to 15-01              |         |
| 22.                     | Drama - Look Back in Anger<br>Actwise Summary               | - " -<br>- " -     | 0<br>10       | 16-01 to 31-01              |         |
| 23.                     | Unit - 03. Fiction - Lucky Jim<br>20th Century Novel        | - " -              | 02            | 01-02 to 05-02              |         |
| 24.                     | Kingsley Amis - Life and Works                              | - " -              | 04            | 06-02 to 12-02              |         |
| 25.                     | Chapterwise Summary of the Novel                            | - " -              | 10            | 14-02 to 05-03              |         |
| 26.                     | University Theory Exam.                                     |                    |               | March/April 2018.           |         |
|                         | * * *   | - x -              |               | * * *                       |         |

Sign of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

SKMG / 1000 / 2017-18 Department of English Class : B.A./~~B.Sc./M.A./M.Sc.~~ III - Eng. opt.  
 Faculty of Arts/~~Science~~ Semester V-VI Paper No IX, XIII Paper Name 20th Century English - Literature.  
 Name of Faculty : Pawar N.J.

| Chapter No.<br>Unit No. | Title / Subject <u>sem-V</u>             | Method of Teaching | No. of Period | Duration<br>Date/Month/Year | Remarks |
|-------------------------|--|--------------------|---------------|-----------------------------|---------|
| 10.                     | <u>Unit - 3. Fiction.</u>                |                    |               |                             |         |
|                         | <u>Sons and Lovers</u>                   |                    |               |                             |         |
|                         | <u>20th Century Novel.</u>               | <u>Lecture</u>     | <u>03</u>     | <u>24-08 to 29-08</u>       |         |
| 11.                     | <u>D.H. Lawrence - Life and Works</u>    | <u>- " -</u>       | <u>04</u>     | <u>31-08 to 06-09</u>       |         |
| 12.                     | <u>Novel - Sons and Lovers - Summary</u> | <u>- " -</u>       | <u>10</u>     | <u>07-09 to 25-09</u>       |         |
| 13.                     | <u>Revision</u>                          | <u>- " -</u>       |               |                             |         |
| 14.                     | <u>University - sem - Theory Exam</u>    |                    |               |                             |         |
|                         | <u>Sem - VI</u>                          |                    |               |                             |         |
| 15.                     | <u>Unit - 1. Poetry. Yeats's Poetry</u>  |                    |               |                             |         |
|                         | <u>20th Century Poetry.</u>              | <u>Lecture</u>     | <u>02</u>     | <u>04-12 to 05-12</u>       |         |
| 16.                     | <u>W.B. Yeats - Life and Works.</u>      | <u>- " -</u>       | <u>04</u>     | <u>06-12 to 12-12</u>       |         |
| 17.                     | <u>Poem-1. Easter 1916</u>               | <u>- " -</u>       | <u>04</u>     | <u>13-12 to 19-12</u>       |         |
| 18.                     | <u>Poem-2. The Second Coming</u>         | <u>- " -</u>       | <u>04</u>     | <u>20-12 to 27-12</u>       |         |
| 19.                     | <u>Poem-3. Among School Children</u>     | <u>- " -</u>       | <u>05</u>     | <u>28-12 to 03-01</u>       |         |

Sign. of Faculty

Principal

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 - 2018)

SKMG / 1000 / 2017-18

Department of English

Class : B.A./~~B.Sc./M.A./M.Sc.~~ III - Eng-~~opt.~~

Faculty of Arts/~~Science~~

Semester V Paper No. IX

Paper Name 20th Century English Literature

Name of Faculty : Pawan N. J.

| Chapter No.<br>Unit No. | Title / Subject <u>sem-V</u>                           | Method of Teaching | No. of Period | Duration<br>Date/Month/Year | Remarks |
|-------------------------|--|--------------------|---------------|-----------------------------|---------|
| 01.                     | Introduction to the Syllabus.                          | Lecture            | 01            | 20-06-2017                  |         |
| 02.                     | Unit-1. Poetry.<br>20th Century Poetry                 | - " -              | 02            | 21-06 to 22-06              |         |
| 03.                     | T.S. Eliot's Poetry                                    | - " -              | 02            | 27-06 to 28-06              |         |
| 04.                     | Poem-1. The Love Song of J.<br>Alfred Prufrock. (1917) | - " -              | 04            | 29-06 to 05-07              |         |
| 05.                     | Poem-2. Preludes (1917)                                | - " -              | 05            | 06-07 to 13-07              |         |
| 06.                     | Unit-2. Drama. Pygmalion.<br>20th Century Drama.       | - " -              | 02            | 17-07 to 18-07              |         |
| 07.                     | G.B. Shaw - Life and Works                             | - " -              | 04            | 19-07 to 25-07              |         |
| 08.                     | Drama - Pygmalion - Background                         | - " -              | 02            | 26-07 to 27-07              |         |
| 09.                     | Drama - Actwise Summary                                | - " -              | 10            | 01-08 to 22-08              |         |
|                         |  |                    |               | P.T.O. →                    |         |

Sign. of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 - 2018)

SKMG / 1000 / 2017- 18

Department of English

Class : B.A./~~B.Sc./M.A/M.Sc~~ II Opt. Eng.

Faculty of Arts/~~Science~~


Semester \_\_\_\_\_ Paper No. \_\_\_\_\_

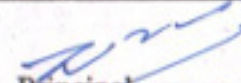
Paper Name Literature in English -

Name of Faculty : Rawar N. J.

- 1550 - 1750.

| Chapter No.<br>Unit No. | Title / Subject | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/Year | Remarks |
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Sign of Faculty

  
Principal





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

SKMG / 1000 / 2017-18

Department of English

Class : B.A. / ~~B.Sc.~~ / ~~M.A./M.Sc.~~

Faculty of Arts/~~Science~~

Semester IV Paper No. VII

Paper Name Literature in English -  
- 1550 - 1750.

Name of Faculty : Pawar N. J.

| Chapter No.<br>Unit No. | Title / Subject <u>sem-IV</u>           | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/Year | Remarks |
|-------------------------|---|-----------------------|------------------|-----------------------------|---------|
| 17.                     | <u>History of English Fiction</u>       | <u>Lecture</u>        | <u>02</u>        | <u>15-01 to 16-01</u>       |         |
| 18.                     | <u>Daniel Defoe - Life &amp; Works.</u> | <u>- " -</u>          | <u>03</u>        | <u>17-01 to 22-01</u>       |         |
| 19.                     | <u>Novel - Robinson Crusoe</u>          | <u>- " -</u>          | <u>14</u>        | <u>23-01 to 15-02</u>       |         |
| 20.                     | <u>Guest Lecture, Test.</u>             | <u>- " -</u>          | <u>04</u>        | <u>20-02 to 26-02</u>       |         |
| 21.                     | <u>Revision</u>                         |                       |                  |                             |         |
| 22.                     | <u>University Theory Exam.</u>          |                       |                  | <u>March/April 2018.</u>    |         |
|                         | <u>* * *</u>                            | <u>*</u>              | <u>- * -</u>     | <u>* * *</u>                |         |
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Sign. of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

SKMG / 1000 / 2017-18

Department of English

Class : B.A./~~B.Sc./M.A/M.Sc.~~ II - opt. Eng.

Faculty of Arts/~~Science~~

Semester ~~III-IV~~ Paper No. I-VII

Paper Name Literature in English -

Name of Faculty : Pawar N. J.

-1550-1750

| Chapter No.<br>Unit No. | Title / Subject <u>Sem-III</u>  | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/Year | Remarks |
|-------------------------|---|-----------------------|------------------|-----------------------------|---------|
| 10.                     | <u>Alexander Pope</u><br><u>Life and Works</u>  | <u>Lecture</u>        | <u>03</u>        | <u>07-08 to 09-08</u>       |         |
| 11.                     | <u>Mock Epic - Rape of the Lock.</u>  | <u>- " -</u>          | <u>12</u>        | <u>10-08 to 07-09</u>       |         |
| 12.                     | <u>University-sem-Theory Exam.</u>  |                       |                  |                             |         |
|                         | <u>Sem-IV</u>   |                       |                  |                             |         |
| 13.                     | <u>Background Study.</u><br><u>Shakespeare's Tragedy</u><br><u>Its Characterisation &amp; Plot.</u> | <u>L - " -</u>        | <u>04</u>        | <u>04-09-12 to 07-12</u>    |         |
| 14.                     | <u>Features of Restoration Lit.</u>   | <u>- " -</u>          | <u>03</u>        | <u>11-12 to 13-12</u>       |         |
| 15.                     | <u>William Shakespeare</u><br><u>Life and Works.</u>  | <u>- " -</u>          | <u>02</u>        | <u>14-12 to 18-12</u>       |         |
| 16.                     | <u>Drama - Julius Caesar</u>  | <u>- " -</u>          | <u>14</u>        | <u>19-12 to 11-01</u>       |         |
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Sign. of Faculty

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Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

SKMG / 1000 / 2017-18

Department of English

Class : B.A./~~B.Sc./M.A./M.Sc.~~ II - Eng. Opt.

Faculty of Arts/~~Science~~

Semester III Paper No. V

Paper Name Literature in English  
- 1550 - 1750

Name of Faculty : Pawar N.J.

| Chapter No.<br>Unit No. | Title / Subject <u>sem-III</u>   | Method of Teaching | No. of Period | Duration<br>Date/Month/Year | Remarks |
|-------------------------|--|--------------------|---------------|-----------------------------|---------|
| 01.                     | Introduction to the Syllabus.  | Lecture            | 02            | 20-21 June 2017             |         |
| 02.                     | Background Study.<br>The Essay - Its Definition,<br>Origin and Kinds.                  | — " —              | 03            | 22-06 to 28-06              |         |
| 03.                     | The Epic - Its Definition,<br>Conventions and Kinds,<br>Growth of Epic Art & Mock Epic | — " —              | 03            | 29-06 to 04-07              |         |
| 04.                     | Essayist - Francis Bacon<br>Life and Works   | — " —              | 03            | 05-07 to 10-07              |         |
| 05.                     | Bacon's Essays 1. Of Friendship  | — " —              | 03            | 11-07 to 13-07              |         |
| 06.                     | 2. Of Love   | — " —              | 03            | 17-07 to 19-07              |         |
| 07.                     | 3. Of Studies  | — " —              | 03            | 20-07 to 25-07              |         |
| 08.                     | 4. Of Revenge  | — " —              | 03            | 26-07 to 31-07              |         |
| 09.                     | 5. Of Parents & Children   | — " —              | 03            | 01-08 to 03-08              |         |

P.T.O. →

Sign. of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Dist. Amravati



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

SKMG / 1000 / 2017-18

Department of English

Class : B.A./~~B.Sc./M.A./M.Sc.~~ I - Eng. Opt.

Faculty of Arts/~~Science~~

Semester II Paper No. IV

Paper Name Reading Literature

Name of Faculty : Pawar N.J.

| Chapter No.<br>Unit No. | Title / Subject                 | Method of Teaching | No. of Period | Duration<br>Date/Month/Year | Remarks |
|-------------------------|---------------------------------|--------------------|---------------|-----------------------------|---------|
| 14.                     | Unit. 1. History of English Ode | Lecture            | 02            | 04-05 Dec. 2017.            |         |
| 15.                     | John Keats - Life and Works.    | - " -              | 02            | 06-12 to 07-12              |         |
| 16.                     | Ode.1- Ode to a Nightingale     | - " -              | 04            | 11-12 to 14-12              |         |
| 17.                     | ode.2- Ode to Autumn            | - " -              | 04            | 18-12 to 21-12              |         |
| 18.                     | ode.3- Ode on a Grecian Urn     | - " -              | 04            | 26-12 to 01-01              |         |
| 19.                     | Unit. 2. Drama                  |                    |               |                             |         |
|                         | History of English Drama.       | - " -              | 02            | 02-01 to 03-01              |         |
| 20.                     | 20th Century Drama              | - " -              | 04            | 04-01 to 10-01              |         |
| 21.                     | G.B. Shaw - Life and Works.     | - " -              | 04            | 11-01 to 17-01              |         |
| 22.                     | Drama- Arms and the Man.        | - " -              | 16.           | 18-01 to 15-02              |         |
| 23.                     | Guest Lectures Unit Test        | - " -              | 04.           | 20-02 to 26-02              |         |
| 24.                     | Revision.                       |                    |               |                             |         |
| 25.                     | University Theory Exam.         |                    |               | March/April 2018.           |         |

Sign of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 - 2018)

SKMG / 1000 / 2017-18

Department of English

Class : B.A./B.Sc./M.A./M.Sc. I English-opt.

Faculty of Arts/Science

Semester I Paper No. II

Paper Name Reading Literature

Name of Faculty : Pawar N.J.

| Chapter No.<br>Unit No. | Title / Subject                                | Method of Teaching | No. of Period | Duration<br>Date/Month/Year | Remarks |
|-------------------------|--|--------------------|---------------|-----------------------------|---------|
| 01.                     | Introduction                                   | Lecture            | 02            | 20-21 June 2017             |         |
| 02.                     | Literary Genre - Sonnet                        | Lecture            | 04            | 22-06 to 23-06              |         |
| 03.                     | William Shakespeare<br>Life and Works          | Lecture            | 04            | 03-07 to 04-07              |         |
| 04.                     | Shakespeare's Sonnets                          | — " —              | 04            | 05-07 to 11-07              |         |
| 05.                     | 1. Sonnet No. 29                               | — " —              | 04            | 12-07 to 18-07              |         |
| 06.                     | 2. Sonnet No. 60                               | — " —              | 04            | 19-07 to 25-07              |         |
| 07.                     | 3. Sonnet No. 73                               | — " —              | 04            | 26-07 to 01-08              |         |
| 08.                     | 4. Sonnet No. 116                              | — " —              | 04            | 02-08 to 08-08              |         |
| 09.                     | 5. Sonnet No. 130                              | — " —              | 04            | 09-08 to 21-08              |         |
| 10.                     | Unit. 2. Fiction - R.K. Narayan - Life & Works | — " —              | 04            | 22-08 to 29-08              |         |
| 11.                     | Novel - The Guide - Chapterwise Summary        | — " —              | 16            | 31-08 to 27-09              |         |
| 12.                     | Revision                                       | — " —              |               |                             |         |
| 13.                     | University Theory Exam.                        | — " —              |               | November 2017               |         |

Sign. of Faculty

Principal



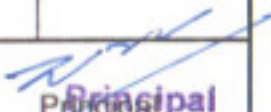
# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : History Class : B.A./B.Sc./M.A./M.Sc.  
 Semester : I Paper No : I Paper Name : History of Maratha  
 Name Of Faculty : Balodkar S.S.

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration<br>Date/Month/year           | Remark |
|-------------------------|--|--------------------|---------------|---------------------------------------|--------|
| ①                       | मराठी संज्ञा ३५५ -<br>महाकाव्यीय गुणोत्तर, सामाजिक, साहित्य-<br>परिचय  | Lecture<br>method  | ⑩             | २० ऑक्टोबर<br>१० ऑक्टोबर २०१७         |        |
| ②                       | विजावीय सांस्कृतिक मोदीय -<br>दिल्ली संस्कृतिक संस्कृतिक संस्कृतिक संस्कृतिक<br>उत्सवसंस्कृतिक संस्कृतिक, ५ संस्कृतिक संस्कृतिक<br>संस्कृतिक संस्कृतिक संस्कृतिक | "                  | ⑩             | १६ डिसेंबर<br>१० डिसेंबर २०१७         |        |
| ③                       | विजावीय संस्कृतिक संस्कृतिक - संस्कृतिक संस्कृतिक<br>संस्कृतिक संस्कृतिक संस्कृतिक संस्कृतिक संस्कृतिक<br>संस्कृतिक संस्कृतिक संस्कृतिक संस्कृतिक संस्कृतिक      | "                  | ⑫             | ११ ऑक्टोबर<br>२० ऑक्टोबर<br>२०१७      |        |
| ④                       | विजावीय संस्कृतिक संस्कृतिक<br>संस्कृतिक संस्कृतिक संस्कृतिक संस्कृतिक संस्कृतिक<br>संस्कृतिक संस्कृतिक संस्कृतिक संस्कृतिक संस्कृतिक                            | "                  | ⑧             | २२ ऑक्टोबर<br>२०१७<br>२० ऑक्टोबर २०१७ |        |

Signature of Faculty

  
Principal  
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Tq. Omarga Dist. Osmanabad





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : History

Class : B.A./B.Sc. / M.A./ M.Sc.

Semister : III

Paper No : V

Paper Name : History of Early India

Name Of Faculty : Bachchan S.S.

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|--------------------|---------------|-----------------------------|--------|
| ①                       | इतिहासकी शक्ति (आज का संसार)                                      | Lecture method     | ⑩             | 20/03/2017                  |        |
|                         | युद्ध की शक्ति, नौ नौ की शक्ति                                    |                    |               | 15/03/2017                  |        |
|                         | कोशिकीय शक्ति, वास्तविकीय शक्ति                                   |                    |               | 2017                        |        |
| ②                       | इतिहास की शक्ति - शक्ति की शक्ति                                  |                    | ⑫             | 18/03/2017                  |        |
|                         | न्याय की शक्ति - शक्ति की शक्ति - शक्ति की शक्ति                  |                    |               | 12/03/2017                  |        |
|                         | शक्ति की शक्ति - शक्ति की शक्ति                                   |                    |               | 2017                        |        |
| ③                       | वैदिक शक्ति - शक्ति की शक्ति - शक्ति की शक्ति                     |                    | ⑫             | 16/03/2017                  |        |
|                         | शक्ति की शक्ति (पूर्व वैदिक शक्ति) शक्ति की शक्ति, शक्ति की शक्ति |                    |               | 17/03/2017                  |        |
|                         | शक्ति की शक्ति - शक्ति की शक्ति                                   |                    |               | 7/03/2017                   |        |
| ④                       | शक्ति की शक्ति - शक्ति की शक्ति - शक्ति की शक्ति                  |                    | ⑫             | 2017                        |        |
|                         | शक्ति की शक्ति, शक्ति की शक्ति, शक्ति की शक्ति                    |                    |               | 9/03/2017                   |        |
|                         | शक्ति की शक्ति - शक्ति की शक्ति - शक्ति की शक्ति                  |                    |               | 21/03/2017                  |        |

Signature of Faculty: Bachchan S.S.

Principal  
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Tq. Omerga Dist. Osmanabad





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : History

Class : B.A./B.Sc./M.A./M.Sc.

Semester : III

Paper No : V

Paper Name : History of Early India

Name Of Faculty : \_\_\_\_\_

| Chapter No.<br>Unit No. | Title / Subject         | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|-------------------------|--------------------|---------------|-----------------------------|--------|
| (5)                     | ~7749- 7817944 -        | Lecture<br>methods | (10)          | 3 ઈમીએ ૧૮                   |        |
|                         | ગાંધી વાણીજીવન ૩૫૨ -    |                    |               | 2017 ના                     |        |
|                         | મીઠા વાણીજીવન મીઠાસ -   |                    |               | 14 ઈમીએ 2017                |        |
|                         | - ઈસ્ટિઆન્ટ ઈવોલ્યુશન - |                    |               |                             |        |
|                         | Revision Paper ઈસુએલ -  |                    |               | 15 ઈમીએ 2017 .              |        |
|                         |                         |                    |               |                             |        |
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|                         |                         |                    |               |                             |        |
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Signature of Faculty

Principal




# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : History Class : B.A./B.Sc. / M.A./ M.Sc.  
 Semister : V Paper No : IX Cog Paper Name : Historiography.  
 Name Of Faculty : \_\_\_\_\_

| Chapter No. / Unit No. | Title / Subject                   | Method of Teaching | No. of Period | Duration Date/Month/year | Remark |
|------------------------|-----------------------------------|--------------------|---------------|--------------------------|--------|
| ①                      | इतिहास-साधना / अर्थ               | Lecture method     | ⑩             | 21/09/2017               |        |
|                        | इतिहास-व इतिहासकार मूल            |                    |               | 10/03/17                 |        |
|                        | इतिहास-संस्कृत इतिहास-संस्कृत मूल |                    |               | 2017.                    |        |
|                        | इतिहासकार साधना                   |                    |               |                          |        |
|                        |                                   |                    |               |                          |        |
| ②                      | इतिहास-संस्कृत साधना-साधना        |                    | ⑫             | 11/03/2017               |        |
|                        | इतिहास-व प्रशासन साधना            |                    |               | 21/03/2017               |        |
|                        | इतिहास-व साधना                    |                    |               | 2017.                    |        |
|                        | इतिहास-व साधना-इतिहास-व साधना     |                    |               |                          |        |
|                        | इतिहास-व साधना-इतिहास-व साधना     |                    |               |                          |        |
| ③                      | इतिहासकार साधना                   |                    | ⑫             | 24/03/2017               |        |
|                        | साधना-व साधना-प्रशासन साधना       |                    |               | 2017                     |        |
|                        | साधना-व साधना-साधना साधना         |                    |               | 11/03/2017               |        |
|                        |                                   |                    |               |                          |        |

Signature of Faculty

  
 Principal  
 Shrikrishna Mahavidyalaya, Gunjoti  
 Tq. Onarga Dist. Omerabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : History

Class : B.A./B.Sc./M.A./M.Sc.

Semister : V

Paper No : IX (09)

Paper Name : Historiography

Name Of Faculty : \_\_\_\_\_

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching                      | No. of Period         | Duration<br>Date/Month/year            | Remark |
|-------------------------|---|---|-----------------------|--|--------|
| ④                       | इतिहासके आशुक्ति - 11 वीं शताब्दी -<br>इतिहास, इतिहासकार  | lecture method                          | ⑩                     | 12/02/2017<br>20/02/2017<br>04/03/2017 |        |
| ⑤                       | माध्याह्निक इतिहासके लक्षणादि आशुक्ति-प्रकार<br>प्राचीन इतिहासकार<br>आधुनिक इतिहासकार<br>लिखित इतिहासकार<br>माध्याह्निक इतिहासकार | lecture method<br>"<br>"<br>"<br>"<br>" | ⑩<br>⑩<br>"<br>"<br>" | 25/02/2017<br>27/02/2017<br>2017<br>"  |        |
| ⑥                       | इतिहासके लक्षणादि - 11 वीं शताब्दी -  | "                                       | ⑩                     | 03/03/2017<br>14/03/2017               |        |

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : History

Class : B.A./B.Sc./M.A./M.Sc.

Semester : II

Paper No : III

Paper Name : History of Marathas.

Name Of Faculty : Bachchan S.S.

(1707-1818 AD)

| Chapter No.<br>Unit No. | Title / Subject                                       | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|--------------------|---------------|-----------------------------|--------|
| ①                       | समकालीन इतिहास - पेशवांचे राज्य व महाराष्ट्राचा विकास | Lecture method     | ⑩             | 25/09/2017                  |        |
|                         | उत्तर - पश्चिम भारताचा विकास                          |                    |               | 11-20/09/2017               |        |
|                         | सहस्रकालीन इतिहास                                     |                    |               | 2017                        |        |
| ②                       | पेशवा साम्राज्य - पेशवा                               |                    | ⑩             | 29/10/2017                  |        |
|                         | महाराष्ट्राचा विकास                                   |                    |               | 11/11/2017                  |        |
|                         | पेशवांचे राज्य व महाराष्ट्राचा विकास                  |                    |               | 2017                        |        |
|                         | महाराष्ट्राचा विकास                                   |                    |               |                             |        |
| ③                       | महाराष्ट्राचा विकास                                   |                    | ⑩             | 13/11/2017                  |        |
|                         | महाराष्ट्राचा विकास                                   |                    |               | 31/11/2017                  |        |
|                         | महाराष्ट्राचा विकास                                   |                    |               | 2018                        |        |
|                         | महाराष्ट्राचा विकास - उत्तर - पश्चिम                  |                    |               |                             |        |
| ⑤                       | पेशवा साम्राज्य - पेशवा                               |                    | ⑫             | 1/12/2017                   |        |
|                         | महाराष्ट्राचा विकास                                   |                    |               | 22/12/2017                  |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : History

Class : B.A./B.Sc./M.A./M.Sc.

Semester : II

Paper No : III

Paper Name : History of Maratha

Name Of Faculty : Bhadkar S.S.

(1704 - 1818 A.D.)

| Chapter No.<br>Unit No. | Title / Subject                 | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---------------------------------|--------------------|---------------|-----------------------------|--------|
|                         | मराठी व हिंदी - मराठांचा इतिहास | Lecture method     | (8)           | 23/9/2018                   |        |
|                         | मराठांचा इतिहास                 | "                  | "             | 17/8/2017                   |        |
| (6)                     | मराठी व हिंदी - मराठांचा इतिहास | "                  | (10)          | 19/11/2018                  |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             | 17/11/2017                  |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             | 3/12/2018                   |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |
|                         | मराठी व हिंदी - मराठांचा इतिहास | "                  | "             |                             |        |

Signature of Faculty Bhadkar S.S.

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : History

Class : B.A./B.Sc. / M.A./M.Sc.

Semister : IV

Paper No : VIII

Paper Name : History of Ancient India

Name Of Faculty : Bachekar S.S.

| Chapter No.<br>Unit No. | Title / Subject                | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--------------------------------|--------------------|---------------|-----------------------------|--------|
| ①                       | वीरग - मौरिक - मिनट            | Lecture<br>method  | 06            | 25/02/2017                  |        |
|                         | प्राथमिक कायद                  |                    |               | 11/10/2017                  |        |
|                         | पूरानिकी मीयन वीरः मीयन कायद   |                    |               | ↘                           |        |
|                         |                                |                    |               |                             |        |
| ②                       | राजकीय कायदना लेकीन कायद       |                    | ⑫             | 11/10/2017                  |        |
|                         | शुन व कायद कायद कायद कायद कायद |                    |               | 11/3/2017                   |        |
|                         | शक, शुन कायद                   |                    |               | 2017.                       |        |
|                         | पुनिकी कायद कायद कायद          |                    |               | ↘                           |        |
|                         | कायद कायद                      |                    |               |                             |        |
|                         |                                |                    |               |                             |        |
| ③                       | कायद व कायद - कायद             |                    | ⑫             | 11/10/2018                  |        |
|                         | कायद कायद कायद - कायद          |                    |               | 20/11/2018                  |        |
|                         | कायद व कायद कायद               |                    |               | ↘                           |        |
|                         | कायद कायद कायद                 |                    |               |                             |        |
|                         |                                |                    |               |                             |        |
|                         |                                |                    |               |                             |        |

Signature of Faculty

Bachekar

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tal. Dindurga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : History

Class : B.A./B.Sc./M.A./M.Sc.

Semester : II

Paper No : VIII

Paper Name : History of Ancient India

Name Of Faculty : \_\_\_\_\_

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching  | No. of Period | Duration<br>Date/Month/year         | Remark |
|-------------------------|---|---------------------|---------------|-------------------------------------|--------|
| 4                       | आर्य-जाति -<br>संस्कृत - अथर्ववेद और पुराण -<br>संस्कृत - अथर्ववेद -                | Lecture<br>Tutorial | 12            | 22 मार्च 2018<br>2018<br>10 मई 2018 |        |
| 5                       | मौर्य साम्राज्य विहंग -<br>संस्कृत साम्राज्य - विदेश प्रशासन -<br>साम्राज्य विहंग - |                     | 12            | 12 मई 2018<br>6 जून 2018            |        |
| 6                       | मौर्य व गुप्त -<br>संस्कृत साम्राज्य  |                     | 06            | 6 जून 2018<br>23 जून 2018           |        |
|                         |   |                     |               |                                     |        |
|                         |   |                     |               |                                     |        |
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Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : History

Class : B.A./B.Sc./M.A./M.Sc.

Semester : VI

Paper No : XIII

Paper Name : fields of History

Name Of Faculty : \_\_\_\_\_

| Chapter No.<br>Unit No. | Title / Subject                | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--------------------------------|--------------------|---------------|-----------------------------|--------|
| ①                       | પ્રાચીન ઇતિહાસની શરૂઆત         | Lectures<br>method | 12            | ૨૬/૦૯/૨૦૧૭<br>૨૨/૧૦/૨૦૧૭    |        |
|                         | કે.સી. ૩/૬/૦૯                  | //                 |               |                             |        |
|                         | પ્રાચીન ઇતિહાસની વિકાસ - ૧૧/૧૨ | //                 |               |                             |        |
|                         | પ્રાચીન ઇતિહાસની વિકાસ - ૧૧/૧૨ | //                 |               |                             |        |
| ②                       | પ્રાચીન ઇતિહાસની વિકાસ - ૧૧/૧૨ | //                 | 12            | ૨૬/૦૯/૨૦૧૭<br>૬/૧૦/૨૦૧૭     |        |
|                         | પ્રાચીન ઇતિહાસની વિકાસ - ૧૧/૧૨ | //                 |               |                             |        |
|                         | પ્રાચીન ઇતિહાસની વિકાસ - ૧૧/૧૨ | //                 |               |                             |        |
|                         | પ્રાચીન ઇતિહાસની વિકાસ - ૧૧/૧૨ | //                 |               |                             |        |
| ③                       | પ્રાચીન ઇતિહાસની વિકાસ - ૧૧/૧૨ | //                 | ૦૬/૧૨         | ૮/૧૦/૨૦૧૮<br>૨૯/૧૦/૨૦૧૮     |        |
|                         | પ્રાચીન ઇતિહાસની વિકાસ - ૧૧/૧૨ | //                 |               |                             |        |
|                         | પ્રાચીન ઇતિહાસની વિકાસ - ૧૧/૧૨ | //                 |               |                             |        |
|                         | પ્રાચીન ઇતિહાસની વિકાસ - ૧૧/૧૨ | //                 |               |                             |        |

Signature of Faculty: [Signature]

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (201 -201 )

Faculty : Arts / Science

Department : History

Class : B.A./B.Sc./M.A./M.Sc.

Semester : III

Paper No : XIII

Paper Name : fields of history

Name Of Faculty : Baladev Kar S.S.

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching        | No. of<br>Period | Duration<br>Date/Month/year                                 | Remark |
|-------------------------|---|------------------------------|------------------|---|--------|
| ⑤                       | पुस्तकालय प्रशासन -<br>मानवसंसाधन विकास कार्यक्रम<br>सामाजिक-विकास  | Lecture<br>Method<br>  <br>  | ⑫                | 30/7/2018<br>2018<br>12/8/2018                              |        |
| ⑥                       | पुस्तकालय प्रशासन - प्रथम<br>सामाजिक-विकास -<br>प्रशासनिक-विकास -<br>आर्थिक-विकास -<br>सांस्कृतिक-विकास -<br>प्रशासनिक विकास Revision | <br>  <br>  <br>  <br>  <br> | ⑩                | 14/7/2018<br>2018<br>17/11/2018<br>18/11/2018<br>23/11/2018 |        |
|                         |   |                              |                  |   |        |
|                         |   |                              |                  |   |        |
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|                         |   |                              |                  |   |        |

Signature of Faculty

Baladev Kar

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Academic Calender For 180 Days.

Faculty of Arts/Science/ Management Science

Academic Year(2017 -2018 )

( Department of Geography )

Name of Faculty Member Dr./Mr./ Miss. Milind T. Suryawanshi

| Term        | Month                                  | Working days | Theory Periods |     |     | Practical Periods |     | Total Periods |
|-------------|--|--------------|----------------|-----|-----|-------------------|-----|---------------|
|             |  |              |                |     |     |                   |     |               |
| First Term  | June                                   | 09           | 5              | 7   | 7   | —                 | 08  | 27            |
|             | July <sup>TT</sup><br><sub>Month</sub> | 26           | 15             | 16  | 15  | 16                | 16  | 78            |
|             | August                                 | 21           | 17             | 16  | 17  | 16                | 16  | 82            |
|             | September                              | 23           | 16             | 16  | 16  | 16                | 16  | 80            |
|             | October                                | 11           | 07             | 08  | 07  | 08                | 08  | 38            |
|             | November                               | —            | —              | —   | —   | —                 | —   |               |
| Total 1     |  | 90           | 60             | 63  | 62  | 56                | 64  | 305           |
| Second Term | December                               | 24           | 15             | 17  | 15  | 16                | 16  | 79            |
|             | January                                | 26           | 19             | 16  | 19  | 20                | 16  | 90            |
|             | February                               | 21           | 16             | 16  | 16  | 16                | 16  | 80            |
|             | March                                  | 19           | 13             | 13  | 13  | 12                | 16  | 67            |
| Total 2     |  | 90           | 63             | 62  | 63  | 64                | 64  | 316           |
| Total 1 + 2 |  | 180          | 123            | 125 | 125 | 120               | 128 | 621           |

Total Working Days = 180

Total Theory Periods = 373

Total Practical Periods = 248

*S.M.P.*

Signature of Faculty Member



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Geography Class : B.A./B.Sc./M.A./M.Sc. I  
Semester : Ist. Paper No : I Paper Name : Elements of Phy. Geography  
Name Of Faculty : Dr. Milind Suryawanshi

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching                  | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|-------------------------------------|---------------|-----------------------------|--------|
| I                       | Introduction of Physical Geography - Meaning<br>Nature & scope, Element, Branches of Physical<br>Geography.                                       | Lect. Use of Map<br>Diagram, chart. |               | 1 July - 31 July 17         |        |
| II                      | Lithospheres: Interior of the Earth, Wegher's<br>Continental Drift theory, Isostasy & plate<br>Tectonic Theories.                                 | —                                   |               | 1 Aug - 30 Aug 17           |        |
| III                     | Earth Movements: Vertical & Horizontal, process<br>of folding causes and effect, process of faulting<br>causes & effect. Volcanoes & Earthquakes. | —                                   |               | 1 Sept - 30 Sept 17         |        |
| IV                      | Rocks: classification of rocks on the basis<br>of origin. Properties of different rocks.  | —                                   |               | 1 Oct - 14 Oct 17           |        |
|                         |   |                                     |               |                             |        |
|                         |   |                                     |               |                             |        |
|                         |   |                                     |               |                             |        |
|                         |   |                                     |               |                             |        |
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|                         |   |                                     |               |                             |        |

Suryawanshi  
Signature of Faculty

Principal  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Geography Class : B.A./B.Sc./M.A./M.Sc. Ist.  
Semester : II<sup>nd</sup> Paper No : III Paper Name : Geog. of Landforms  
Name Of Faculty : Dr. Milind Suryawanshi

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching              | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|---------------------------------|---------------|-----------------------------|--------|
| I                       | Concept of Landforms, Evolution & types of landforms, concept of cycle of Erosion.   | lect, use of map chart, Diagram |               | 1 Dec - 31 Dec 17           |        |
| II                      | Weathering: Types and classification of weathering. Mechanical, chemical, & biological. Soil formation.  | — n —                           |               | 1 Jan - 31 Jan 18           |        |
| III                     | Geomorphic Agents and processes. Erosion, Transportation, Deposition Landforms produced by River, Winds and Sea Waves.                                     | — n —                           |               | 1 Feb - 28 Feb 18           |        |
| IV                      | Landform produced by Glacier & underground water. Applied. Geomorphology: Geomorphology & settlement, Geomorphology & land use, Geomorphology & Resources. | — n —                           |               | 1 Mar - 22 Mar 18           |        |
|                         |  |                                 |               |                             |        |
|                         |  |                                 |               |                             |        |
|                         |  |                                 |               |                             |        |
|                         |  |                                 |               |                             |        |
|                         |  |                                 |               |                             |        |
|                         |  |                                 |               |                             |        |

Signature of Faculty  
*S. Milind*

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Qomga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : Geography Class : B.A./B.Sc./M.A./M.Sc. II

Semester : III Paper No : VII Paper Name : Climatology

Name Of Faculty : Dr. Milind Suryawanshi

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching                | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|-----------------------------------|---------------|-----------------------------|--------|
| I                       | Weather & climate: Definition, nature & scope of Climatology. Significance of Climatology, composition & structures of atmosphere, weather & climate.  | lect, use of Map, Diagram, Chart. |               | 1 July - 31 July            |        |
| II                      | Insolation & Temp: Defi. of Insolation & Temp. Heat Budget of the earth, factors affecting the distribution of solar energy, Defi. of Temp.: - Vertical & Horizontal, Range of Temperature.    | —                                 |               | 1 Aug - 30 Aug              |        |
| III                     | Atmospheric Pressure & winds, Evaporation, & Condensation. Hydrological cycle, Types of Precipitation, World pattern of R.F., distribution Air-Masses & fronts. Tropical & Temperate cyclones. | —                                 |               | 1 Sept - 30 Sept.           |        |
| IV                      | Role of climate in human life: Atmosphere pollution & global warming, general causes, consequences & measures of control.  | —                                 |               | 1 Oct - 14 Oct.             |        |

Suryawanshi  
Signature of Faculty

Principal  
Principal




# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Geography Class : B.A./B.Sc./M.A./M.Sc. II  
Semester : IV Paper No : VIII Paper Name : Oceanography  
Name Of Faculty : Dr. Milind Suryawanshi

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching               | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|----------------------------------|---------------|-----------------------------|--------|
| I                       | Introduction of Oceanography - Defi., Nature, & Scope, surface configuration of ocean floors  | Lect, use of Map, chart, Diagram |               | 1 Dec - 31 Dec - 17         |        |
| II                      | Submarine Relief: General idea of submarine relief - Continental shelf, Continental slope, Abyssal plains, Oceanic trenches & deeps, Hypsographic curve, Relief of Atlantic, Pacific & Indian Oceans. | —                                |               | 1 Jan - 31 Jan 18           |        |
| III                     | Salinity & Temp. of Oceanic water: Salinity of ocean water, its meaning, causes of salinity. Factors affecting on salinity, Distribution of salinity in the world. Temp. of Ocean water.              | —                                |               | 1 Feb - 28 Feb 18           |        |
| IV                      | Marine Deposits & Coral Reefs - Ocean deposits shallow sea deposits, Deep Sea deposits, Types of Corals. Ocean as a storehouse of resources for the future.   | —                                |               | 1 Mar - 22 Mar 18           |        |

  
Signature of Faculty

  
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Tq. Omarga Dist. Osmanabad

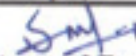


# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Geography Class : B.A./B.Sc./M.A./M.Sc. III  
Semester : V<sup>th</sup> Paper No : XI Paper Name : Physical Geog. of India.  
Name Of Faculty : Dr. Milind Suryawanshi

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching                | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|-----------------------------------|---------------|-----------------------------|--------|
| I                       | India in the context of south east & South Asia. India: a land of diversity, unity within diversities, shape, size, Physical landscape of India. | Lect, use of map, Diagram, Chart. |               | 1 July - 31 July 17         |        |
| II.                     | Drainage systems of India their functional significance climate: Regional & seasonal variations of climate. The Monsoons.                        | ---                               |               | 1 Aug - 30 Aug 17           |        |
| III.                    | soil types of India. their distribution and characteristics.   | ---                               |               | 1 Sept - 30 Sept 17         |        |
| IV                      | Natural Vegetation: forest types and their distribution. In India.   | ---                               |               | 1 Oct - 14 Oct 17           |        |
|                         |  |                                   |               |                             |        |
|                         |  |                                   |               |                             |        |
|                         |  |                                   |               |                             |        |
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Signature of Faculty

  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omernga Dist. Osmanabad

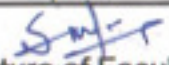


# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : Geography Class : B.A./B.Sc. / M.A./M.Sc. III  
Semester : VI Paper No : XIV Paper Name : Agri. Geog. of India.  
Name Of Faculty : Dr. Milind Suryawanshi

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching            | No. of<br>Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|----------------------------------|------------------|-----------------------------|--------|
| I.                      | Nature, Scope, Significance & development of Agricultural Geography. Origin & dispersal of Agricultural in India.                       | Lect, use of Map, chart, diagram |                  | 1 Dec - 31 Dec 18           |        |
| II                      | Agriculture in India: Agricultural land use, Cropping pattern, Regional Pattern of productivity in India. Agricultural policy in India. | — " —                            |                  | 1 Jan - 31 Jan 18           |        |
| III.                    | Distribution & production of major crops in India. ① Rice ② Wheat. ③ Jowar ④ Cotton. ⑤ Sugarcane ⑥ Tea.                                 | — " —                            |                  | 1 Feb - 28 Feb 18           |        |
| IV                      | Green Revolution of India.  | — " —                            |                  | 1 Mar - 22 Mar 18           |        |
|                         |   |                                  |                  |                             |        |
|                         |   |                                  |                  |                             |        |
|                         |   |                                  |                  |                             |        |
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Signature of Faculty

  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad.





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI


Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Geography Class : B.A./B.Sc. / M.A./M.Sc. Ist.

Semester : I & II Paper No : V Paper Name : Practical Geography

Name Of Faculty : Dr. Milind Suryawanshi

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching                    | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|---------------------------------------|---------------|-----------------------------|--------|
| I. (A)                  | Nature & scope of Cartography. scale - meaning, Methods of Representing Scale: Verbal, Numerical, Linear Scale. (B) Types of Linear Scale - Simple                                | 1. Lect. use of Map<br>Diagram, Chart |               | 1 July - 31 July 17         |        |
|                         | Comparative, Diagonal, Time & Dist, & Space Scale   | ---                                   |               | 1 Aug - 30 Aug 17           |        |
| II A)                   | Defination of Map, Brief History of Maps, Classification of Maps. (B) Enlargement and Reduction of Map by square Method.  | ---                                   |               | 1 Sept - 30 Sept. 17        |        |
| III (A)                 | Methods of showing Relief - i) Hachures<br>ii) spot height. iii) Bench mark. iv) Hill shading<br>v) Layer tint. vi) Form line vii) Contours.                                      | ---                                   |               | 1 Oct - 14 Oct 17           |        |
| (B)                     | Representation of slopes with the help of contour lines. by applying cross section method of -<br>i) Even, ii) Uneven iii) Gentle, iv) concave<br>v) Convex. vii) Terraced slope. | ---                                   |               |                             |        |
|                         |   |                                       |               |                             |        |
|                         |   |                                       |               |                             |        |
|                         |   |                                       |               |                             |        |
|                         |   |                                       |               |                             |        |
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Signature of Faculty

  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Geography Class : B.A./B.Sc. / M.A./ M.Sc. I<sup>st</sup>.  
 Semester : I & II Paper No : V Paper Name : Practical Geography.  
 Name Of Faculty : Dr. Milind Suryawanshi

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching               | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|----------------------------------|---------------|-----------------------------|--------|
| IV                      | Representation of Landforms by cross section method<br><i>Landforms by cross section</i>   | Lect, use of Map, Chart, Diagram |               | 1 Dec-31 Dec 17             |        |
|                         | i) Conical Hill ii) Ridge<br>iii) Plateau. iv) Cliff v) Water fall<br>vi) 'U' & V shaped valley viii) Pass.<br>ix) Spur.   | — n —                            |               | 1 Jan-31 Jan 18             |        |
| V (A)                   | Conventional Signs & Symbols of SOI Maps.  | — n —                            |               | 1 Feb - 28 Feb 18           |        |
| (B)                     | Study of any 3 Indian Topographical Maps.<br>Under the following heads (Hilly, Plateau & Plain Area. each one) Introduction, Relief, Drainage, Settlement, Transportation and Communication. | — n —                            |               | 1 Mar - 22 Mar 18           |        |
|                         |  |                                  |               |                             |        |
|                         |  |                                  |               |                             |        |
|                         |  |                                  |               |                             |        |
|                         |  |                                  |               |                             |        |
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*Milind*  
Signature of Faculty

*Milind*  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tal. Omega Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science Department : Geography Class : B.A./B.Sc. / M.A./M.Sc. III  
Semester : V & VI Paper No : XVIII Paper Name : Practical Geography  
Name Of Faculty : Dr. Milind Suryawanshi

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|--------------------|---------------|-----------------------------|--------|
| I (A)                   | Introduction of Instrumental Survey.  | Lect. Use of Map;  |               | 1 July - 31 July            |        |
|                         | ① Chain Tape survey.  | Chart, Diagram     |               | 1 Aug - 30 Aug              |        |
|                         | ② Plane Table Survey.   |                    |               |                             |        |
|                         | ③ Prismatic Compass Survey.   | ---                |               | 1 Sept - 30 Sept            |        |
| (B)                     | Field Survey using Plane Table and Prismatic Compass. i) Open Traverse Method | ---                |               | 1 Oct - 14 Oct              |        |
|                         | ii) Close Traverse Method.  | ---                |               |                             |        |
| II. A)                  | Representation of Bearing -   | ---                |               | 1 Dec - 31 Dec              |        |
|                         | i) Whole circle Bearing.  |                    |               |                             |        |
|                         | ii) Reduced Bearing   | ---                |               | 1 Jan - 31 Jan              |        |
|                         | iii) FB, BB of WCB.   |                    |               |                             |        |
|                         | iv) FB, BB of RB.   | ---                |               | 1 Feb - 28 Feb              |        |
| (B)                     | Correction of Bearing   |                    |               |                             |        |
|                         | Closing Error by Bowditch Method.   | ---                |               | 1 Mar - 22 Mar              |        |
|                         | Determination of the Height with the help of Abney Level.                     |                    |               |                             |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omega Dist. Oamanebad

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Academic Calender For 180 Days.

Faculty of Arts/Science/ Management Science

Academic Year(2017 -2018 )

( Department of Geography )

Name of Faculty Member Dr./Mr./ Miss. Koli R.G.

| Term        | Month     | Working days | Theory Periods |     |     | Practical Periods |     | Total Periods |
|-------------|-----------|--------------|----------------|-----|-----|-------------------|-----|---------------|
|             |           |              | I              | II  | III | II                | III |               |
| First Term  | June      | 09           | 06             | 06  | 16  | 06                | 06  | 40            |
|             | July      | 26           | 12             | 17  | 36  | 18                | 12  | 95            |
|             | August    | 21           | 14             | 14  | 28  | 09                | 12  | 77            |
|             | September | 23           | 15             | 16  | 32  | 12                | 12  | 87            |
|             | October   | 11           | 08             | 07  | 14  | 06                | 06  | 41            |
|             | November  |              |                |     |     |                   |     |               |
| Total 1     |           | 90           | 59             | 60  | 126 | 51                | 48  | 342           |
| Second Term | December  | 24           | 17             | 15  | 32  | 12                | 12  | 88            |
|             | January   | 26           | 15             | 16  | 34  | 09                | 12  | 86            |
|             | February  | 21           | 14             | 12  | 26  | 12                | 12  | 76            |
|             | March     | 19           | 13             | 13  | 24  | 09                | 12  | 71            |
| Total 2     |           | 90           | 59             | 56  | 116 | 42                | 48  | 323           |
| Total 1 + 2 |           | 180          | 114            | 116 | 242 | 95                | 96  | 665           |

Total Working Days = 180

Total Theory Periods = 472

Total Practical Periods = 191



Signature of Faculty Member



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : Geography

Class : B.A./B.Sc./ M.A./ M.Sc. I

Semester : I

Paper No : II

Paper Name : Human Geography

Name Of Faculty : Koli R.G.

| Chapter No.<br>Unit No. | Title / Subject                        | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|-----------------------|------------------|-----------------------------|--------|
| I                       | मानवी भूगोल - व्याख्या                 | व्याख्यान - थकी       | 04               | 20.06.17 ते 30.6.17         |        |
|                         | मानवी भूगोल - स्वरूप                   | उदाहरणे-प्रश्नोत्तरे  | 04               | 01.7.17 ते 9.7.17           |        |
|                         | मानवी भूगोल - व्याप्ती                 | —11—                  | 03               | 10.7.17 ते 15.7.17          |        |
|                         | मानवी भूगोल या शब्दाचा                 | —11—                  | 02               | 16.7.17 ते 22.7.17          |        |
| II                      | निसर्ग-मानव सहसंबंध - संकल्पना -       | —11—                  | 04               | 23.7.17 ते 30.7.17          |        |
|                         | परिवर्तनाचे प्रकार                     | —11—                  | 04               | 1.08.17 ते 8.8.17           |        |
|                         | शक्तिवाद                               | —11—                  | 04               | 9.8.17 ते 16.8.17           |        |
|                         | संश्रयतावाद                            | —11—                  | 04               | 17.8.17 ते 24.8.17          |        |
|                         | थॉमस जाँ वार                           | —11—                  | 04               | 25.8.17 ते 2.9.17           |        |
| III                     | वंशागत - नैसर्गिक व सामाजिक संरचना     | —11—                  | 04               | 3.9.17 ते 10.9.17           |        |
|                         | वांशिक गट - आदिम जमाती - जगातील भारत   | —11—                  | 04               | 11.9.17 ते 18.9.17          |        |
|                         | एस्कीमो - बूरशमन - मसाई - गौड व गुज्जर | —11—                  | 04               | 19.9.17 ते 26.9.17          |        |
| IV                      | मानवी वसाहती - निर्मिती धटक            | —11—                  | 04               | 27.9.17 ते 4.10.17          |        |
|                         | वसाहत प्रकार व प्रादये                 | —11—                  | 04               | 5.10.17 ते 12.10.17         |        |
|                         | वसाहतीचे कार्यात्मक वर्गीकरण           | —11—                  | 03               | 13.10.17 ते 15.10.17        |        |
|                         |  | —11—                  |                  | 15.10.17                    |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Orfanga Dist. Osmata



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : Geography Class : B.A./B.Sc. / M.A./M.Sc. II

Semester : III

Paper No : VIII Paper Name : Population Geography

Name Of Faculty : Koli R.G.

| Chapter No.<br>Unit No. | Title / Subject                               | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|--------------------|---------------|-----------------------------|--------|
| I                       | लोक. भूगोल - व्याख्या - स्वरूप                | व्याख्यान -        | 04            | 20.06.17 ते 27.06.17        |        |
|                         | व्याप्ती व मर्यादा                            | चर्चा-उदाहरण       | 03            | 28.6.17 ते 5.7.17           |        |
| II                      | लोकसंख्या विषयक सांख्यिकीची उगम स्त्रोत       | नकाशा              | 04            | 6.7.17 ते 13.7.17           |        |
|                         | लोकसंख्या वितरण - वितरणावर परिणाम             | — 11 —             | 04            | 14.7.17 ते 21.7.17          |        |
|                         | करणारे घटक - लोकसंख्या घनता                   | — 11 —             | 04            | 22.7.17 ते 30.7.17          |        |
|                         | जगातील व भारतातील लोकसंख्या वितरणाची          | — 11 —             | 03            | 1.8.17 ते 6.8.17            |        |
|                         | प्रारूपे - जनन आणि मृत्युता                   | — 11 —             | 04            | 7.8.17 ते 14.8.17           |        |
|                         | भारतातील व जगातील लोक वितरण विभाग             | — 11 —             | 04            | 15.8.17 ते 22.8.17          |        |
| III                     | लोकसंख्या रचना - लिंग, वय रचना -              | — 11 —             | 04            | 23.8.17 ते 31.8.17          |        |
|                         | शहरी - ग्रामीण रचना, आर्थिक रचना -            | — 11 —             | 04            | 1.9.17 ते 7.9.17            |        |
|                         | लोक. रचनेची जागतिक प्रारूपे - भारतातील        | — 11 —             | 04            | 8.9.17 ते 5.10.17           |        |
| IV                      | लोकसंख्या रचना                                | — 11 —             | 05            | 6.10.17 ते 10.10            |        |
|                         | स्थाठांतर - व्याख्या - वर्गीकरण -             | — 11 —             | 05            | 11.10.17                    |        |
|                         | स्थाठांतरावर परिणाम करणारे घटक - स्थाठांतराचे | — 11 —             | 05            | 12.10.17                    |        |
|                         | परिणाम व भारतातील स्थाठांतर.                  | — 11 —             |               | ते 15.10.17                 |        |

Sig.ature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : Geography

Class : B.A./B.Sc. / M.A./ M.Sc. II

Semester : III & IV

Paper No : X

Paper Name : Practical Geography

Name Of Faculty : Koli R.G.

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|--------------------|---------------|-----------------------------|--------|
| I                       | हवामान उपकरणाचा अभ्यास- तपमापक-कुमार                   | उपकरण-आकृती        | 06            | 20.6.17 ते 4.7.17           |        |
|                         | व किमान तपमापक-ओल्फा व कोरड्या फुग्याचा                | स्पष्टीकरण         | 06            | 5.7.17 ते 19.7.17           |        |
|                         | तपमापक - निर्द्रव वायुआपक-पॉरिनिचा वायुः               | उदाहरण             | 06            | 20.7.17 ते 2.08.17          |        |
|                         | वातकुंडल-वायु वेगमापक-आर्द्रता मापक                    | —11—               | 06            | 3.8.17 ते 15.8.17           |        |
| II                      | I DWR-सांकेतिक चिन्हे व खूणा                           | —11—               | 03            | 16.8.17 ते 22.8.17          |        |
|                         | नकाशा वाचन - पावसाळा-उन्हाळा-हिवाळा                    | —11—               | 06            | 23.8.17 ते 5.9.17           |        |
| III                     | नकाशा तंत्रज्ञान - पारवा - स्वरूप - व्याप्ती           | —11—               | 06            | 6.9.17 ते 18.9.17           |        |
|                         | महत्त्व - हवामान विषयक सांख्यिकीचा साह्यन-             | —11—               | 8             | —                           |        |
|                         | कृष्योगाफ, हॅडरोगाफ, वातपृष्ठा, समोच्चरेखा, समतापरेखा  | —11—               | 15            | 19.9.17 ते 10.11.17         |        |
| IV                      | सांख्यिकीचा साह्यन- रेखा लेख, स्थंभालेख, विमा-         | —11—               | 09            | 11.11.17 ते 29.11.17        |        |
|                         | -जीतवर्तुळ, आयत, खिपद्धत, द्वायापद्धत- व               | —11—               | 09            | 30.11.17 ते 18.12.17        |        |
|                         | स्थानांकीत वर्तुळ, चर्चस व गोल दाखविणे.                | —11—               | 09            | 19.12.17 ते 1.1.18          |        |
| V                       | पृथ्वीचे भौजमपत - अक्षांश, रेखांश-भूद्वलुनि            | —11—               | 10            | 2.1.18 ते 19.1.18           |        |
|                         | नकाशा प्रक्षेपण-वर्गीकरण-उपयोग-खमध्य, समक्षेत्र        | —11—               | 10            | 20.1.18 ते 9.2.18           |        |
|                         | शंकू, द्विपक्षा, लाघे व अक्षेणिक, समक्षेत्र व अक्षेणिक | —11—               | 10            | 9.2.18 ते 29.2.18           |        |
|                         | खमध्य केंद्रीय प्रक्षेपण तयार करणे.                    | —11—               | 10            | 27.2.18 ते 15.3.18          |        |

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : Geography

Class : B.A./B.Sc. / M.A. / M.Sc. III

Semester : V

Paper No : XII

Paper Name : Environmetal Geography

Name Of Faculty : Koli R.G.

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching        | No. of<br>Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|------------------------------|------------------|-----------------------------|--------|
| I                       | पर्यावरण शास्त्र - पर्यावरण भूगोल - व्याख्या<br>स्वरूप - व्याप्ती व पर्यावरणाचे प्रकार  | व्याख्यान                    | 04               | 20.6.17 ते 26.6.17          |        |
|                         |   | उदाहरण-पर्या<br>प्रश्नोत्तरे | 04               | 27.6.17 ते 4.7.17           |        |
|                         |   |                              |                  |                             |        |
| II                      | परिस्थितीची - जैविक व अजैविक घटक<br>कीटक लवणां - जीव, जीवसमूह, जैविक<br>समाज, लोकसंख्या   | -11-                         | 04               | 5.7.17 ते 12.7.17           |        |
|                         |   | -11-                         | 04               | 13.7.17 ते 20.7.17          |        |
|                         |   | -11-                         | 04               | 24.7.17 ते 28.7.17          |        |
| III                     | परिसंस्था - परिसंस्थेची मूलतत्वे - परिसंस्था<br>रचना - पोषणद्रवांचे यंत्रीकरण - परिसंस्था<br>कार्य - उजप्रवाह - अन्नसातवकी - अन्नजाती -<br>परिस्थितीची मंजोरी - परिसंस्था प्रकार. | -11-                         | 06               | 29.7.17 ते 8.8.17           |        |
|                         |   | -11-                         | 06               | 9.8.17 ते 19.8.17           |        |
|                         |   | -11-                         | 06               | 20.8.17 ते 30.8.17          |        |
|                         |   | -11-                         | 06               | 1.9.17 ते 10.9.17           |        |
| IV                      | परिसंस्था संरचना - जागतिक तापवृद्धी -<br>अन्न सुरक्षा - निवनीकरण - प्लास्टिक पेशाकी<br>आम्ब पत्रिका.  | -11-                         | 04               | 11.9.17 ते 17.9.17          |        |
|                         |   | -11-                         | 08               | 18.9.17 ते 30.9.17          |        |
|                         |   | -11-                         | 04               | 1.10.17 ते 5.10.17          |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Omarga Dist. Guntur





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : Geography

Class : B.A./B.Sc. / M.A./ M.Sc.

Semester : V

Paper No : XIII

Paper Name : Industrial Geog. of Maha.

Name Of Faculty : Koli R.G.

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|-----------------------|------------------|-----------------------------|--------|
| I                       | महाराष्ट्रातील औद्योगिक विकासाचे स्वरूप -<br>व्याप्ती - उद्योगाच्या स्थानिकीकरणाचे धाटूक   | व्याख्यान,            | 06               | 20.6.17 ते 30.6.17          |        |
|                         |  | नकाशा, चर्चा          | 04               | 1.7.17 ते 7.7.17            |        |
| II                      | महाराष्ट्रातील उद्योगाचे वितरण व प्रकार -<br>- कापड उद्योग - जैव-रसायन उद्योग -<br>सारकर उद्योग - स्वयंचळित उद्योग.                                      | उदाहरण                | 06               | 8.7.17 ते 17.7.17           |        |
|                         |  | - 11 -                | 06               | 18.7.17 ते 27.7.17          |        |
|                         |  | - 11 -                | 06               | 28.7.17 ते 7.8.17           |        |
| III                     | महाराष्ट्रातील औद्योगिक पट्टे व त्याची<br>वैशिष्ट्ये -<br>उद्योगाचा महाराष्ट्राच्या विकासावर<br>झालेला प्रभाव  | - 11 -                | 04               | 8.8.17 ते 16.8.17           |        |
|                         |  | - 11 -                | 04               | 17.8.17 ते 23.8.17          |        |
|                         |  | - 11 -                | 04               | 24.8.17 ते 31.8.17          |        |
|                         |  | - 11 -                | 04               | 1.9.17 ते 7.9.17            |        |
| IV                      | औद्योगिक संभाव्य मध्ये जागतिकीकरणाची<br>भूमिका - उद्योगाचे स्थलांतर व त्याचा सार्वी<br>उपनगरावर पडणारा प्रभाव - महाराष्ट्राचे<br>वदलते औद्योगिक क्षेत्र. | - 11 -                | 04               | 8.9.17 ते 15.9.17           |        |
|                         |  | - 11 -                | 04               | 16.9.17 ते 23.9.17          |        |
|                         |  | - 11 -                | 04               | 24.9.17 ते 1.10.17          |        |
|                         |  | - 11 -                | 04               | 2.10.17 ते 15.10.17         |        |

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : Geography

Class : B.A./B.Sc. / M.A./ M.Sc. III

Semester : V & VI

Paper No : XVI

Paper Name : Practical Geography

Name Of Faculty : Keli R.G.

| Chapter No.<br>Unit No. | Title / Subject                           | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|-----------------------|------------------|-----------------------------|--------|
| I                       | सांख्यिकी - व्याख्या - महत्व - समीक्षिकीय | सुझ-गणन               | 03               | 20.6.17 ते 27.6.17          |        |
|                         | केंद्रीय प्रवृत्तीचे मोजमापन              | स्पष्टिकरण            | 03               | 28.6.17 ते 5.7.17           |        |
|                         | माध्यका - वैयक्तिक, खंडित व सतत पदमाळ     | उदाहरण                | 09               | 6.7.17 ते 24.7.17           |        |
|                         | माध्य - ———— 11 ————                      | — 11 —                | 09               | 25.7.17 ते 13.8.17          |        |
|                         | वहूंक - ———— 11 ————                      | — 11 —                | 09               | 14.8.17 ते 2.9.17           |        |
| II                      | विचारांचे मोजमापन                         | — 11 —                | 03               | 3.9.17 ते 21.9.17           |        |
|                         | प्रमाणीत विचरण                            | — 11 —                | 09               | 22.9.17 ते 10.10.17         |        |
|                         | माध्य विचरण                               | — 11 —                | 09               | 11.10.17 ते 18.11.17        |        |
|                         | यान्त्रिक विचरण                           | — 11 —                | 09               | 19.11.17 ते 7.12.17         |        |
| III                     | सहसंबंध - 1) स्थित्यंतरमन ची पद्धत        | — 11 —                | 09               | 8.12.17 ते 26.12.17         |        |
|                         | 2) कार्ळीपिकरसनची पद्धत                   | — 11 —                | 09               | 27.12.17 ते 16.1.18         |        |
| IV                      | समा-अयन समीकरण तयार करणे                  | — 11 —                | 09               | 17.1.18 ते 5.2.18           |        |
|                         | 1) न्यूनतम वर्ग पद्धतीने समीकरण तयार करणे | — 11 —                | 09               | 6.2.18 ते 20.2.18           |        |
|                         | 2) समा-अयन समीकरण X वर Y समीकरण करणे      | — 11 —                | 09               | 21.2.18 ते 10.3.18          |        |
|                         | 3) समा-समीकरण Y वर X समीकरण तयार करणे     | — 11 —                | 09               | 11.3.18 ते                  |        |
|                         | 4) काय वर्ग चाचणी                         | — 11 —                | 09               | ते 22.3.18                  |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : Geography

Class : B.A./B.Sc. / M.A./M.Sc. I

Semester : II

Paper No : IV

Paper Name : Regional Geog. of Maha.

Name Of Faculty : Mr. Koli R.G.

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|---|--------------------|---------------|-----------------------------|--------|
| I                       | महाराष्ट्र - स्थान - आकार - विस्तार -<br>त्याची वैशिष्ट्ये व महाराष्ट्राची प्राकृतिक<br>विभाग   | व्याख्यान          | 04            | 2.12.17 ते 8.12.17          | I      |
|                         |   | यच्च-उद्देश्य      | 06            | 9.12.17 ते 17.12.17         |        |
|                         |   | नकाशा              | •             |                             |        |
| II                      | महाराष्ट्र :- हवामान - जाडपणाची<br>मृदा - नैसर्गिक वनस्थली.   | — 11 —             | 06            | 18.12.17 ते 28.12.17        | I      |
|                         |   | — 11 —             | 06            | 29.12.17 ते 6.1.18          |        |
| III                     | महाराष्ट्र कृषी :- पिक प्रारूप - प्रमुख<br>पिके - ज्वारी, गहू, भात, कापूस, ऊस, तेलबिया<br>कडधान्ये - भौगोलिक स्थिती - उत्पादन व वितरण | — 11 —             | 04            | 7.1.18 ते 13.1.18           | III    |
|                         |   | — 11 —             | 08            | 14.1.18 ते 26.1.18          |        |
|                         |   | — 11 —             | 08            | 27.1.18 ते 13.2.18          |        |
| IV                      | महाराष्ट्र उद्योगधंदे -<br>1) कृती व लघु उद्योग<br>2) स्टावर उद्योग<br>3) वाहतूक - रस्त्यां व रेल्वे वाहतूक                           | — 11 —             | 02            | 14.2.18 ते 18.2.18          |        |
|                         |   | — 11 —             | 06            | 19.2.18 ते 2.3.18           |        |
|                         |   | — 11 —             | 06            | 3.3.18 ते 13.3.18           |        |
|                         |   | — 11 —             | 6             | 14.3.18 ते 23.3.18          |        |

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (201 -201 )

Faculty : Arts / Science

Department : Geography Class : B.A./B.Sc. / M.A./ M.Sc. II

Semister : IV

Paper No : IX Paper Name : Settlement Geography

Name Of Faculty : Mr. Koli R.G.

| Chapter No.<br>Unit No. | Title / Subject                            | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|--------------------|---------------|-----------------------------|--------|
| I                       | वस्ती भूगोल - व्याख्या - स्वरूप - व्याप्ति | व्याख्यान          | 06            | 02.12.17 ते 11.12.17        |        |
|                         | - दृष्टक - ग्रामीण व शहरी वसाहत - व्याख्या | चर्चा-आख्यान       | 06            | 12.12.17 ते 21.12.17        |        |
|                         | वसाहतीचे गुणधर्म व मर्यादा                 | प्रश्नोत्तरे       | 06            | 22.12.17 ते 1.1.18          |        |
| II                      | वसाहती - स्थान व रचना                      | -11-               | 06            | 2.1.18 ते 11.1.18           |        |
|                         | अंतराळ आकार - वाहतूक निर्माती              | -11-               | 06            | 12.1.18 ते 21.1.18          |        |
|                         | क्षेत्रीय प्रकार - वसाहतीचे कार्य व        | -11-               | 06            | 22.1.18 ते 1.2.18           |        |
|                         | धराचे प्रकार                               | -11-               | 02            | 2.2.18 ते 5.2.18            |        |
| III                     | वसाहती क्षेत्रीय संदर्भ - १                | -11-               | 06            | 6.2.18 ते 15.2.18           |        |
|                         | आकार - जागा - वसाहतीची क्षेत्रीय           | -11-               | 06            | 16.2.18 ते 29.2.18          |        |
|                         |  | -11-               | 06            | 1.3.18 ते 14.3.18           |        |
| IV                      | भारतातील वसाहतीची प्रमुख वैशिष्ट्ये        | -11-               | 06            | 15.3.18 ते 23.3.18          |        |

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : Geography

Class : B.A./B.Sc. / M.A./ M.Sc. III

Semister : VI

Paper No : XII

Paper Name : Natural calamities

Name Of Faculty : Mr. Koli R.G.

| Chapter No.<br>Unit No. | Title / Subject                                | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|-----------------------|------------------|-----------------------------|--------|
| I                       | नैसर्गिक आपत्ती - व्याख्या - स्वरूप - व्याप्ति | व्याख्यान             | 08               | 02.12.17 ते 15.12.17        |        |
|                         |  | चर्चा                 |                  |                             |        |
|                         |  | उदाहरण                |                  |                             |        |
| II                      | भूकंप - कारण - परिणाम - वितरण                  | —11—                  | 06               | 16.12.17 ते 26.12.17        |        |
|                         | ज्वालामुखी - कारण - परिणाम - वितरण             | —11—                  | 06               | 27.12.17 ते 6.1.18          |        |
| III                     | अवर्षण - कारण - प्रकार                         | —11—                  | 06               | 7.1.18 ते 16.1.18           |        |
|                         | परिणाम - वितरण                                 | —11—                  | 06               | 17.1.18 ते 28.1.18          |        |
|                         | पूर - कारण - परिणाम                            | —11—                  | 06               | 29.1.18 ते 6.2.18           |        |
|                         | जैविक आपत्ती                                   | —11—                  | 06               | 7.2.18 ते 15.2.18           |        |
| IV                      | जागतिक तापमान वृद्धी - हरीलहर परिणाम -         | —11—                  | 06               | 16.2.18 ते 25.2.18          |        |
|                         | ओझोनचा क्षय - प्रदूषण - हवा - पाणी             | —11—                  | 08               | 26.2.18 ते 12.3.18          |        |
|                         | व मृदा   | —11—                  | 06               | 13.3.18 ते 23.03.18         |        |

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : Geography

Class : B.A./B.Sc. / M.A./ M.Sc. III

Semester : VI

Paper No : XVII

Paper Name : Biography

Name Of Faculty : Mr. Koli R.G.

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|--------------------|---------------|-----------------------------|--------|
| I                       | जैविक भूगोल - व्याख्या - स्वरूप -<br>व्याप्ती - महत्त्व  | आख्यान             | 04            | 02.12.17 ते 09.12.17        |        |
|                         |  | यची                | 04            | 10.12.17 ते 16.12.17        |        |
|                         |  | उदाहरण             |               |                             |        |
| II                      | पत्रविरा, अधिवास - वनस्थती - प्राणिसंघटन<br>जिव प्रकार - आर्किनचा उत्क्रांती वादाचा<br>सिद्धांत                              | —11—               | 06            | 17.12.17 ते 26.12.17        |        |
|                         |  | —11—               | 08            | 27.12.17 ते 10.1.18         |        |
|                         |  | —11—               | 06            | 10.1.18 ते 19.1.18          |        |
| III                     | वनस्थती भूगोलाचे घटक - वनाचे वितरण -<br>पूरभूत व हिमनदीचा प्रवाह (प्रौढ वृद्धावस्थेतील)<br>प्रदेशातील नवीन निर्मित भूप्रदेश. | —11—               | 06            | 20.1.18 ते 30.1.18          |        |
|                         |  | —11—               | 06            | 31.1.18 ते 9.2.18           |        |
|                         |  | —11—               | 06            | 10.2.18 ते 19.2.18          |        |
| IV                      | प्राणी भूगोल - पत्रविराशी व्याख्या सहसंबंध -<br>परिस्थिती - निर्मिती व कार्य<br>भारताचे राष्ट्रीय वन धोरण                    | —11—               | 06            | 20.2.18 ते 2.3.18           |        |
|                         |  | —11—               | 06            | 3.3.18 ते 14.3.18           |        |
|                         |  | —11—               | 06            | 15.3.18 ते 23.3.18          |        |

Signature of Faculty

Principal

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Academic Calender For 180 Days.

Faculty of Arts/Science/ Management Science

Academic Year(2017 -2018 )

( Department of Political Science )

Name of Faculty Member Dr./Mr./ Miss. Prabhat Raut

| Term        | Month     | Working days | Theory Periods             | Practical Periods  | Total Periods |
|-------------|-----------|--------------|----------------------------|--------------------|---------------|
| First Term  | June      | 09           | II, III, VII<br>$4+2+4=10$ | Project work<br>04 | 14            |
|             | July      | 26           | $16+8+16=40$               | 16                 | 56            |
|             | August    | 21           | $14+7+14=35$               | 14                 | 49            |
|             | September | 23           | $14+7+14=35$               | 14                 | 49            |
|             | October   | 11           | $8+4+8=20$                 | 08                 | 28            |
|             | November  | —            | —                          | —                  | —             |
| Total 1     |           | 90           | 140                        | 56                 | 196           |
| Second Term | December  | 24           | $16+8+16=40$               | 16                 | 56            |
|             | January   | 26           | $16+8+16=40$               | 16                 | 56            |
|             | February  | 21           | $16+8+16=40$               | 16                 | 56            |
|             | March     | 19           | $16+8+16=40$               | 16                 | 56            |
| Total 2     |           | 90           | 160                        | 64                 | 224           |
| Total 1 + 2 |           | 180          | 300                        | 120                | 420           |

Total Working Days = 180

Total Theory Periods = 300

Total Practical Periods = 120

Signature of Faculty Member

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Academic Calender For 180 Days.

Faculty of Arts/Science/ Management Science

Academic Year(2017 -2018 )

( Department of Political Science )

Name of Faculty Member Dr./Mr./ Miss. Prabhat Raut

| Term        | Month     | Working days | Theory Periods | Practical Periods | Total Periods |
|-------------|-----------|--------------|----------------|-------------------|---------------|
| First Term  | June      | 09           | 10             | 04                | 14            |
|             | July      | 26           | 40             | 16                | 56            |
|             | August    | 21           | 35             | 14                | 49            |
|             | September | 23           | 35             | 14                | 49            |
|             | October   | 11           | 20             | 08                | 28            |
|             | November  | —            | —              | —                 | —             |
| Total 1     |           | 90           | 140            | 56                | 196           |
| Second Term | December  | 24           | 40             | 16                | 56            |
|             | January   | 26           | 40             | 16                | 56            |
|             | February  | 21           | 40             | 16                | 56            |
|             | March     | 19           | 40             | 16                | 56            |
| Total 2     |           | 90           | 160            | 64                | 224           |
| Total 1 + 2 |           | 180          | 300            | 120               | 420           |

Total Working Days = 180

Total Theory Periods = 300

Total Practical Periods = 120

  
Signature of Faculty Member





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Pol. Sci.

Class : B.A./B.Sc. / M.A./ M.Sc.

Semister : I & II

Paper No : II

Paper Name : Maha. Govt. & Politics

Name Of Faculty : Prabhat Raut

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year         | Remark |
|-------------------------|--|-----------------------|------------------|-------------------------------------|--------|
| 1                       | महाराष्ट्राची राजकीय व ऐतिहासिक पार्श्वभूमी<br>संयुक्त महाराष्ट्र चळवळ, राज्य पुनर्रचना<br>आयोग.   | Lecture               | 20               | 4+16 = 20<br>जून, जुलै              |        |
| 2                       | शासनचे घटक - कार्यकारी मंडळ, विधीमंडळ,<br>आणि न्यायमंडळ  | —  —                  | 20               | 14+6 = 20<br>ऑगस्ट, सप्टे.          |        |
| 3                       | चळवळी - शोमकुरी, दलित, स्त्री, सहकार<br>चळवळी  | —  —                  | 20               | 8+8+4 = 20<br>सप्टे, ऑक्टो, डिसे.   |        |
| 4                       | पंचायतराज - ग्रामपंचायत, पंचायत<br>समिती व जिल्हा परिषद  | —  —                  | 30               | 12+16+2 = 30<br>डिसे, जाने, फेब्रु. |        |
| 5                       | महाराष्ट्रातील राजकीय पक्षांचे तत्त्वज्ञान व<br>कार्यक्रिम - काँग्रेस, राष्ट्रवादी काँग्रेस,<br>शिवसेना, भाजपा, आर.पी.आय, भारतीय<br>बहुजन महासंघ, मार्क्सवादी पक्ष आणि<br>भारतीय कम्युनिस्ट पक्ष | —  —                  | 30               | 14+16 = 30<br>फेब्रु. मार्च.        |        |

Prabhat Raut  
Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Solapur



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Pol. Sci.

Class : B.A./B.Sc. / M.A./ M.Sc.

Semester : III & IV

Paper No : III

Paper Name : Indian Govt. & Politics

Name Of Faculty : Prabhat Raut

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year    | Remark |
|-------------------------|--|-----------------------|------------------|--------------------------------|--------|
| 1                       | भारतीय राज्यघटना - उगमस्थाने, संरचना,<br>वैशिष्ट्य                               | Lecture               | 12               | 2+8+2 = 12<br>जून, जुलै, ऑगस्ट |        |
| 2                       | घटनात्मक तरतुदी - मुलभूत अधिकार, राज्यची<br>मागदिरक्षितत्वे                      | —    —                | 12               | 5+7 = 12<br>ऑगस्ट, सप्टे.      |        |
| 3                       | सर्वोच्च न्यायालय - रचना, कार्ये, अधिकार,<br>न्यायालयीन पुनरावलोकन               | —    —                | 12               | 4+8 = 12<br>ऑक्टो, डिसें.      |        |
| 4                       | केंद्र-राज्य संबंध - कार्यदेविषयक, प्रशासकीय,<br>आर्थिक                          | —    —                | 12               | 8+4 = 12<br>जाने., फेब्रु.     |        |
| 5                       | भारतीय लोकशाहीपुढील आव्हाने -<br>भ्रष्टाचार, जातीयवाद, संप्रदायवाद, प्रादेशिकवाद | —    —                | 12               | 4+8 = 12<br>फेब्रु. मार्च.     |        |
|                         |  |                       |                  |                                |        |
|                         |  |                       |                  |                                |        |
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Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad

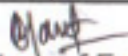



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : Poli.sci. Class : B.A./B.Sc. / M.A./ M.Sc.  
Semester : V & VI Paper No : VII Paper Name : Political Ideologies  
Name Of Faculty : Prabhat Raut

| Chapter No.<br>Unit No. | Title / Subject              | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year | Remark |
|-------------------------|------------------------------|-----------------------|------------------|-----------------------------|--------|
| 1                       | राष्ट्रवाद Nationalism       | Lecture               | 12               | जुल-4, जुल-8 = 12           |        |
| 2                       | उदारमतवाद Liberalism         | —  —                  | 12               | जुल-8, अग-4 = 12            |        |
| 3                       | लोकशाही Democracy            | —  —                  | 12               | अग-10, सप्टे-2 = 12         |        |
| 4                       | साम्राज्यवाद Imperialism     | —  —                  | 12               | सप्टे-12                    |        |
| 5                       | स्त्रीवाद Feminism           | —  —                  | 12               | अक्टो-8, डिसे-4 = 12        |        |
| 6                       | समाजवाद socialism            | —  —                  | 12               | डिसे-12                     |        |
| 7                       | साम्यवाद Communism           | —  —                  | 12               | जाने-12                     |        |
| 8                       | फैसीवाद fascism              | —  —                  | 12               | जाने-4, फेब्रु-8 = 12       |        |
| 9                       | अराज्यवाद Anarchism          | —  —                  | 12               | फेब्रु-8, मार्च-4 = 12      |        |
| 10                      | पर्यावरणवाद Environmentalism | —  —                  | 12               | मार्च-12                    |        |
|                         |                              |                       |                  |                             |        |
|                         |                              |                       |                  |                             |        |
|                         |                              |                       |                  |                             |        |
|                         |                              |                       |                  |                             |        |
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Signature of Faculty

  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Amnabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science

Department : Pol. sci.

Class : B.A./B.Sc. / M.A./ M.Sc.

Semister : V & VI

Paper No : -

Paper Name : प्रकल्प कार्य

Name Of Faculty : Prabhat Raut

| Chapter No.<br>Unit No. | Title / Subject | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|-----------------|--------------------|---------------|-----------------------------|--------|
| 1                       | प्रकल्प कार्य   | प्रात्यक्षिक       | 12            | जुन-4, जुलै-8 = 12          |        |
| 2                       | प्रकल्प कार्य   | —  —               | 12            | जुलै-8, ऑग-4 = 12           |        |
| 3                       | प्रकल्प कार्य   | —  —               | 12            | ऑग-10, सप्टे-2 = 12         |        |
| 4                       | प्रकल्प कार्य   | —  —               | 12            | सप्टेबर-12                  |        |
| 5                       | प्रकल्प कार्य   | —  —               | 12            | ऑक्टो-8, डिसें-4 = 12       |        |
| 6                       | प्रकल्प कार्य   | —  —               | 12            | डिसेंबर-12                  |        |
| 7                       | प्रकल्प कार्य   | —  —               | 12            | जानेवारी-12                 |        |
| 8                       | प्रकल्प कार्य   | —  —               | 12            | जाने-4, फेब्रु-8 = 12       |        |
| 9                       | प्रकल्प कार्य   | —  —               | 12            | फेब्रु-8, मार्च-4 = 12      |        |
| 10                      | प्रकल्प कार्य   | —  —               | 12            | मार्च-12                    |        |
|                         |                 |                    |               |                             |        |
|                         |                 |                    |               |                             |        |
|                         |                 |                    |               |                             |        |
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Prabhat  
Signature of Faculty

Prabhat  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omega Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017 -2018)

Faculty : Arts / Science Department : Pol. sci. Class : B.A./B.Sc. / M.A./ M.Sc.  
Semester : V & VI Paper No : VII Paper Name : Political Ideologies  
Name Of Faculty : Prabhat Raut

| Chapter No.<br>Unit No. | Title / Subject              | Method of<br>Teaching | No. of<br>Period | Duration<br>Date/Month/year | Remark |
|-------------------------|------------------------------|-----------------------|------------------|-----------------------------|--------|
| 1                       | राष्ट्रवाद Nationalism       | Lecture               | 12               | जुल-4, जुल-8 = 12           |        |
| 2                       | उदारमतवाद Liberalism         | —  —                  | 12               | जुल-8, ऑग-4 = 12            |        |
| 3                       | लोकशाही Democracy            | —  —                  | 12               | ऑग-10, सप्टे-2 = 12         |        |
| 4                       | साम्राज्यवाद Imperialism     | —  —                  | 12               | सप्टे-12                    |        |
| 5                       | स्त्रीवाद Feminism           | —  —                  | 12               | ऑक्टो-8, डिसे-4 = 12        |        |
| 6                       | समाजवाद Socialism            | —  —                  | 12               | डिसे-12                     |        |
| 7                       | साम्यवाद Communism           | —  —                  | 12               | जाने-12                     |        |
| 8                       | फैसीवाद Fascism              | —  —                  | 12               | जाने-4, फेब्रु-8 = 12       |        |
| 9                       | अराज्यवाद Anarchism          | —  —                  | 12               | फेब्रु-8, मार्च-4 = 12      |        |
| 10                      | पर्यावरणवाद Environmentalism | —  —                  | 12               | मार्च-12                    |        |
|                         |                              |                       |                  |                             |        |
|                         |                              |                       |                  |                             |        |
|                         |                              |                       |                  |                             |        |
|                         |                              |                       |                  |                             |        |
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|                         |                              |                       |                  |                             |        |
|                         |                              |                       |                  |                             |        |
|                         |                              |                       |                  |                             |        |
|                         |                              |                       |                  |                             |        |

Prabhat Raut  
Signature of Faculty

[Signature]  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tal. Orange Dist. Odisha

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Academic Calender For 180 Days.

Faculty of Arts/Science/ Management Science

Academic Year(2017 -2018 )

( Department of Political science )

Name of Faculty Member Dr./Mr./ Miss. Nigade R.H

| Term        | Month     | Working days | Theory Periods |     |     | Practical Periods | Total Periods |
|-------------|-----------|--------------|----------------|-----|-----|-------------------|---------------|
|             |           |              | I              | II  | III |                   |               |
| First Term  | June      | 09           | 05             | 10  | 13  | -                 | 28            |
|             | July      | 26           | 18             | 30  | 36  | -                 | 84            |
|             | August    | 21           | 14             | 21  | 28  | -                 | 62            |
|             | September | 23           | 15             | 22  | 31  | -                 | 68            |
|             | October   | 11           | 03             | 12  | 14  | -                 | 29            |
|             | November  | -            | 55             | 95  | 122 | -                 | 271           |
| Total 1     |           | 90           | 55             | 95  | 122 | -                 | 271           |
| Second Term | December  | 24           | 16             | 26  | 31  | -                 | 73            |
|             | January   | 26           | 17             | 23  | 35  | -                 | 75            |
|             | February  | 21           | 13             | 20  | 28  | -                 | 61            |
|             | March     | 19           | 14             | 20  | 26  | -                 | 60            |
| Total 2     |           | 90           | 60             | 89  | 120 | -                 | 269           |
| Total 1 + 2 |           | 180          | 115            | 184 | 242 | -                 | 541           |

Total Working Days = 236

Total Theory Periods = ~~180~~ 541

Total Practical Periods = -

  
Signature of Faculty Member



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Pol. sci

Class : B.A./B.Sc. / M.A./ M.Sc.

Semister : I<sup>st</sup>

Paper No : I<sup>st</sup>

Paper Name : Basic concept of pol. sci.

Name Of Faculty : Nigade R. N.

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration<br>Date/Month/year | Remark |
|-------------------------|--|--------------------|---------------|-----------------------------|--------|
| 1)                      | राज्या-चा उदय आणि विकास राज्या-चा उदयाचा ऐकी सिध्दांत<br>सामा.कार सिध्दांत, ऐतिहासिक, उत्क्रांतीवादाचा सिध्दांत                                  | Lecture            | 15            | 10 जून ते 18 जून            |        |
| 2)                      | सरकार-उत्पत्ती - व्याख्या सरकारचे स्वरूप, प्रतिनिधी, मंत्रिमंडळ<br>न्यायासंबंध, सरकारचे प्रकार, संघ सरकार, संसदीय सरकार<br>प्रजासत्ताक व गणतंत्र |                    | 15            | 21 जून ते 22 जून            |        |
| 3)                      | सार्वभौम सत्ता उत्पत्ती-व्याख्या, प्रकार, ऑथीन-चा सिध्दांत<br>उत्पत्ती सत्तावादी सिध्दांत  |                    | 15            | 26 ऑगस्ट ते 26 सप्टेंबर     |        |
| 4)                      | नागरिकत्व, लोक आणि कार्य   |                    | 15            | 3 अक्टोबर ते 14 अक्टोबर     |        |
|                         |  |                    |               |                             |        |
|                         |  |                    |               |                             |        |
|                         |  |                    |               |                             |        |
|                         |  |                    |               |                             |        |
|                         |  |                    |               |                             |        |
|                         |  |                    |               |                             |        |
|                         |  |                    |               |                             |        |

Signature of Faculty

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Shrikrishna Mahavidyalaya, Gunjoti  
Mumbai









# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2017-2018)

Faculty : Arts / Science

Department : Pol. Sci

Class : B.A./B.Sc. / M.A./ M.Sc.

Semester : IV<sup>th</sup>

Paper No : VIII

Paper Name : International Relations

Name Of Faculty : Nigade R. N

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration<br>Date/Month/year   | Remark |
|-------------------------|---|--------------------|---------------|-------------------------------|--------|
| 1)                      | सामूहिक स्मृतिरत्ता आणि सुनो, सामूहिक स्मृतिरत्ते<br>चा अर्थ - स्वरूप   | Lectur             | 12            | 2 डिसेंबर ते 22 डिसेंबर       |        |
| 2)                      | समाव शैचित्य - अर्थ - स्वरूप - वैशिष्ट्ये - प्रकार  | "                  | 12            | 25 डिसेंबर ते 12 जाने 18      |        |
| 3)                      | जागतिक राजकारणातील महत्वाचे प्रश्न ① पर्यावरणवाद<br>② दूरशतवाद  | "                  | 12            | 13 जानेवारी ते 2 फेब्रुवारी   |        |
| 4)                      | आंतरराष्ट्रीय व प्रादेशिक संघटना, I.F.M.<br>वार्ड बँक WTO, सार्क, आशियाज  | "                  | 12            | 3 फेब्रुवारी ते 23 फेब्रुवारी |        |
| 5)                      | अल्पसंख्यक संघटना - अर्थ - स्वरूप - महत्त्व -<br>अल्पसंख्यकांची भूमिका - अल्पसंख्यकांची चळवळीची<br>मासंगिकता - अर्थ | "                  | 12            | 26 फेब्रुवारी ते 14 मार्च     |        |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Academic Calendar for 180 Days

Faculty of Arts / *Science* / Management Science

Academic Year: (2017-18)

(Department of Chemistry)

Name of Faculty Member: **Dr.K.S.Lohar**

| Term               | Month     | Working days | Theory Periods | No. of Practical's | Total No. of Practical's Periods | Total Periods |
|--------------------|-----------|--------------|----------------|--------------------|----------------------------------|---------------|
| First Term         | June      | 9            | 4              | 5                  | 20                               | 24            |
|                    | July      | 26           | 12             | 12                 | 48                               | 60            |
|                    | August    | 21           | 13             | 12                 | 48                               | 61            |
|                    | September | 23           | 12             | 13                 | 52                               | 64            |
|                    | October   | 11           | 5              | 5                  | 20                               | 25            |
| <b>Total 1</b>     |           | <b>90</b>    | <b>46</b>      | <b>47</b>          | <b>188</b>                       | <b>234</b>    |
| Second Term        | November  | 0            | 0              | 0                  | 0                                | 0             |
|                    | December  | 24           | 11             | 12                 | 48                               | 59            |
|                    | January   | 26           | 14             | 12                 | 48                               | 62            |
|                    | February  | 21           | 12             | 12                 | 48                               | 60            |
|                    | March     | 19           | 6              | 8                  | 32                               | 38            |
| <b>Total 2</b>     |           | <b>90</b>    | <b>43</b>      | <b>44</b>          | <b>176</b>                       | <b>219</b>    |
| <b>Total 1 + 2</b> |           | <b>180</b>   | <b>89</b>      | <b>91</b>          | <b>364</b>                       | <b>453</b>    |

Total Working Days = 236

Total Teaching Days = 180

Total Theory Periods = 89

Total Practical Periods = 453



Signature of Faculty Member

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Academic Calendar for 180 Days

Faculty of Arts / *Science* / Management Science

Academic Year: (2017-18)

(Department of Chemistry)

Name of Faculty Member: **Dr.K.S.Lohar**

| Term               | Month     | Working days | Theory Periods | No. of Practical's | Total No. of Practical's Periods | Total Periods |
|--------------------|-----------|--------------|----------------|--------------------|----------------------------------|---------------|
| First Term         | June      | 9            | 4              | 5                  | 20                               | 24            |
|                    | July      | 26           | 12             | 12                 | 48                               | 60            |
|                    | August    | 21           | 13             | 12                 | 48                               | 61            |
|                    | September | 23           | 12             | 13                 | 52                               | 64            |
|                    | October   | 11           | 5              | 5                  | 20                               | 25            |
| <b>Total 1</b>     |           | <b>90</b>    | <b>46</b>      | <b>47</b>          | <b>188</b>                       | <b>234</b>    |
| Second Term        | November  | 0            | 0              | 0                  | 0                                | 0             |
|                    | December  | 24           | 11             | 12                 | 48                               | 59            |
|                    | January   | 26           | 14             | 12                 | 48                               | 62            |
|                    | February  | 21           | 12             | 12                 | 48                               | 60            |
|                    | March     | 19           | 6              | 8                  | 32                               | 38            |
| <b>Total 2</b>     |           | <b>90</b>    | <b>43</b>      | <b>44</b>          | <b>176</b>                       | <b>219</b>    |
| <b>Total 1 + 2</b> |           | <b>180</b>   | <b>89</b>      | <b>91</b>          | <b>364</b>                       | <b>453</b>    |

Total Working Days = 236

Total Teaching Days = 180

Total Theory Periods = 89

Total Practical Periods = 364

Signature of Faculty Member



# SHRI RISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

Department of Chemistry

Paper No.: XVIII (Sem .V)

Class: B.A. / B.Sc. III. / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. K.S. Lohar

Paper Name: ORGANIC CHEMISTRY


| Chapter No. Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year     | Remarks |
|----------------------|---|--------------------|---------------|------------------------------------|---------|
| II.                  | <b>Organomagnesium compounds:</b><br>The Grignard reagent formation, structure and chemical reactions. Organozinc compound, formation and chemical reactions, organolithium compound, formation and chemical reactions.   | Lecture            | 08            | June20, 2017 to 5 July, 2017       |         |
| III.                 | <b>Organic Synthesis via Enolates</b><br>Defination, Active methylene compounds, Preparation of Aceto acetic ester, (Claisen condensation with Mechanism), Acidity of alpha hydrogen, properties and reactions involving formation of mono, di and unsaturated carboxylic acids, also synthesis of ketone, di ketone, 4-methyl uracil from acetoacetic ester, keto-enol tautomerism. Preparation of diethyl malonate, properties and reactions involved in alkylation, formation of mono, di and unsaturated carboxylic acids, and also synthesis of glycine and barbutric acids from diethyl malonate. | Lecture            | 13            | July 10, 2017 to August 08, 2017   |         |
| IV.                  | <b>Fats, oils and Detergents</b><br>Edible and industrial oils of vegetable origin, manufacture of soyabean oil by solvent extraction method and isolation and uses of essential oils. Types of animals fats and oils and defination of saponification value, iodine value, and acid value. Detergents: Defination, Introduction and preparation of sodium alkyl sulphonate, alkyl benzene sulphonate, and amide sulphonate, (one example each), Cleansing action of detergent.   | Lecture            | 08            | August 09, 2017 to August 30, 2017 |         |
| I.                   | <b>Spectroscopy Nuclear magnetic resonance (NMR) spectroscopy.</b>  | Lecture            | 16            | September 04, 2017 to              |         |

Proton magnetic resonance ( $^1\text{H}$  NMR) spectroscopy, nuclear shielding and deshielding, chemical shift and molecular structure, spin-spin splitting and coupling constants, areas of signals, interpretation of PMR spectra of simple organic molecules such as ethyl bromide, ethanol, acetaldehyde, 1, 2, 2 tribromoethane, ethyl acetate, toluene and Acetophenone. Problems pertaining to the structure elucidation of simple organic compounds using UV, IR and PMR spectroscopic techniques. (Combine and single  $\lambda_{\text{max}}$  using woodward fischer rule

October 9,  
2017.



Signature of Faculty Member



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Principal  
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Principal  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Class: B.A. / B.Sc. III. / M.A. / M.Sc. /

Management Science

Department of Chemistry

Paper No.: XIX (Sem .V) Lab.Course.IX.

Name of Faculty Member: Dr. K.S. Lohar

Paper Name: ORGANIC CHEMISTRY

| Chapter No. Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year     | Remarks |
|----------------------|---|--------------------|---------------|------------------------------------|---------|
| 1.                   | <b>Binary Mixture:</b><br><b>Separation and Identification of both components</b><br>i) Benzoic Acid + $\beta$ -naphthol<br>ii) Salicylic Acid + P- nitro aniline<br>iii) $\beta$ -naphthol + Acetanilide<br>iv) p-toluidine + Naphthalene<br>v) $\alpha$ -naphthol + diphenyl amine<br>vi) Cinnamic Acid + Naphthalene<br>vii) Salicylic Acid + Naphthalene<br>viii) $\beta$ -naphthol + m-dinitrobenzene<br>ix) Cinnamic Acid + P- nitro aniline<br>x) Salicylic Acid + $\beta$ -naphthol | Demonstration      | 40            | 22Jully2017<br>October 24,<br>2017 |         |

  
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# SHRI KRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Class: B.A. / B.Sc. III. / M.A. / M.Sc. /

Management Science

Department of Chemistry

Paper No.: XX (Sem .V) Lab.Course. X.

Name of Faculty Member: Dr. K.S. Lohar

Paper Name: INORGANIC

CHEMISTRY

| Chapter No. Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year | Remarks |
|----------------------|---|--------------------|---------------|--------------------------------|---------|
| 1.                   | Separation of calcium and Barium and estimation of Ca-volumetrically or Ba-gravimetrically.   | Demonstration      | 04            | 22 July 2017                   |         |
| 2.                   | Separation of Cu and Ni from binary mixture solution and estimation of Cu-volumetrically and Ni-gravimetrically                     | Demonstration      | 04            | -14 October 2017               |         |
| 3.                   | Estimation of oxalic acid and H <sub>2</sub> SO <sub>4</sub> in a given mixture Solution using NaOH and KMnO <sub>4</sub> solution. | Demonstration      | 04            |                                |         |
| 4.                   | Estimation of Fe by potassium dichromate using diphenyl ammine indicator.   | Demonstration      | 04            |                                |         |
| 5.                   | Estimation of available chlorine in the given sample of bleaching powder.   | Demonstration      | 04            |                                |         |
| 6.                   | Inorganic Qualitative Analysis (Semi-Micro Analysis) (Atleast five mixtures)  | Demonstration      | 20            |                                |         |

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Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Class: B.A. / B.Sc. III. / M.A. / M.Sc. /

Management Science

Department of Chemistry

Paper No.: XXII Organic Chemistry (Sem.VI)

Name of Faculty Member: Dr. K.S. Lohar

Paper Name: Organic Chemistry

| Chapter No. Unit No. | Title / Subject  | Method of Teaching | No. Of Period | Duration of Date / Month/ Year            | Remarks |
|----------------------|--|--------------------|---------------|---|---------|
| 1.                   | <b>Heterocyclic Compounds:</b><br>Introduction: Molecular orbital picture and aromatic characteristics of pyrrole, furan, thiophene and pyridine, Methods of synthesis and chemical reactions with particular emphasis on the mechanism of electrophilic substitution. Mechanism of nucleophilic substitution reactions in pyridine. Comparison of basicity of pyridine, piperidine and pyrrole. Condensed Heterocycles: Introduction, Preparation of Quinoline (Skraups Synthesis), Isoquinoline (Bischler - Napirlaski) and Indole (Fischer indole Synthesis). | Lecture            | 13            | 04,December<br>02 January<br>2017         |         |
| ece                  | <b>Carbohydrates:</b><br>Defination, Introduction and Classification. Monosaccharides- Interconversion of Glucose and Fructose, chain lengthening, chain shortening of aldoses. Conversion of Glucose into mannose. Determination of ring size of Monosaccharide, Mechanism of Mutarotation and Introduction to disaccharides (maltose, sucrose and lactose) and Polysaccharides (Starch and cellulose) without involving structure determination  | Lecture            | 10            | 03 January<br>2018-<br>24 January<br>2018 |         |

|    |  |         |    |                                 |  |
|----|--|---------|----|---------------------------------|--|
| 3. | <p><b>Synthetic Polymers :</b><br/>         Introduction, Classification based on nature of synthesis (without mechanism)with examples.(Addition and condensation polymers).<br/>         Properties, uses and synthesis of polyvinyl chloride, polyvinyl acetate, polystyrene, polyacrylonitrile, Nylon 6, Nylon 66.<br/>         Introduction to synthetic and natural rubber, properties, uses and synthesis of Buna N., Neoprene and silicon rubber.</p> | Lecture | 07 | 29.Jan.2018<br>12 February 2018 |  |
| 4. | <p><b>Synthetic Dyes and Drugs:</b><br/>         Definition, colour and constitution (electronic concept) of dye, classification based on chemical constitution, synthesis of methyl orange, Congo red, malachite green, crystal violet, Alizarin and indigo dyes. Synthetic Drugs, Defination, introduction, classification of drugs.<br/>         Properties of ideal drug. Synthesis of chloromycetien, paracetamol, phenacetien, sulphaguainidine.</p>   | Lecture | 15 | 13 Feb. 2018<br>28 Feb. 2018    |  |

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 Srikrishna Mahavidyalaya, Gunjod  
 Tq.Omerga Dist.Osmanabad





# SHRI. RISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Class: B.A. / B.Sc. III. / M.A. /

M.Sc. / Management Science

Department of Chemistry

Name of Faculty Member: Dr. K.S. Lohar

Paper No.: Paper No.: XXIII ( Sem.VI) Lab.Course. XI.

Paper Name: Organic

Chemistry

| Chapter No. Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year       | Remarks |
|----------------------|---|--------------------|---------------|--------------------------------------|---------|
| 1.                   | <b>Organic Estimation</b><br>i) Estimation of Carbonyl group by hydrazone formation method<br>ii) Estimation of vitamin C in commercial soft drink / Glucon D<br>iii) Estimation of ascorbic acid<br>iv) Estimation of Saponification value of oil  | Demonstration      | 20            | Dec.02-17, to<br>Dec. 30, 2017       |         |
| 2.                   | <b>Organic Preparation and its purity by TLC</b><br>i) Preparation of Hydrazobenzene from azobenzene.<br>ii) Preparation of Phthalic anhydride from phthalic acid.<br>iii) Preparation of 2, 4 dinitrophenyl hydrazone of acetone.<br>iv) To prepare picrate of Naphthalene.<br>v) To prepare picrate of Anthracene.. | Demonstration      | 20            | Jan. 01, 2018<br>to Jan. 11,<br>2018 |         |

  
Signature of Faculty Member

  
Principal

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Tq. Omarga Dist. Osmanabad



# SHR.KRISHNA MAHAVIDYA\_AYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

Class: B.A. / B.Sc. III. / M.A. / M.Sc. /

SKMG / 1000 / 2017-18

Management Science

Department of **Chemistry**

Paper No.: Paper No.: XXIV ( Sem.VI) Lab.Course. IV.

Name of Faculty Member: **Dr. K.S. Lohar**

Paper Name: **Physical**

**Chemistry**

| Chapter No. Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year        | Remarks |
|----------------------|---|--------------------|---------------|---------------------------------------|---------|
| 1.                   | <b>Instrumental</b><br>1. Determine the % composition of HCl and CH <sub>3</sub> COOH in a given mixture by titrating against strong base conductometrically.<br>2. Determine the strength of oxalic acid conductometrically using sodium hydroxide solution.<br>3. To determine empirical formula of ferric -5-sulphosalicylate<br>4. Determine the amount of Fe <sup>2+</sup> in the given solution potentiometrically<br>5. To determine the refractive indices of series of salt solutions and to find out concentration of the salt in given unknown solution. | Demonstration      | 20            | 8 Dec. 2017to<br>25 January.<br>2018  |         |
| 2.                   | <b>Non-Instrumental</b><br>1. To determine the interfacial tension between two immiscible liquids.<br>2. To study the effect of addition of an electrolyte NaCl / KCl on the solubility of benzoic acid at room temperature.<br>3. To determine the standard free energy change $\Delta G^0$ and equilibrium constant for the reaction.<br>$Cu + 2 Ag^+ = Cu^{2+} + 2 Ag$   | Demonstration      | 12            | 02 February.<br>2018- 5 March<br>2018 |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

Class: B.A. / B.Sc. II. / M.A. / M.Sc. /

SKMG / 1000 / 2017-18

Management Science

Department of **Chemistry**

Paper No.: Paper No.: XII ( Sem. III + IV ) Lab.Course. VII.

Name of Faculty Member: **Dr. K.S. Lohar**

Paper Name:

**Physical Chemistry**

| Chapter No. Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year              | Remarks |
|----------------------|---|--------------------|---------------|---|---------|
| 1                    | i. To determine normality and strength of HCl using (0.1N) NaOH Solution Conductometrically.<br>ii. To determine normality and strength of acetic acid using (0.1N) NaOH solution Conductometrically.<br>iii. To determine normality and strength of HCl using (0.1N) NaOH solution by pH-metrically.<br>iv. To verify Lambert-Beers Law using KMnO <sub>4</sub> solution.<br>v. To estimate the amount of Sugar using Polarimeter.<br>vi. To determine refractive index of ethanol water system.<br>vii. To determine indicator constant of indicator colorimetrically | Demonstration      | 28            | 31 July 2017<br>21 August<br>2018           |         |
| 2                    | Organic Derivatives:- Preparation, Crystallization and Physical Constant. (Any Three)<br>i. Acetyl Derivatives : a) Aniline b) Salicylic Acid<br>ii. Benzoyl Derivatives : a) Aniline b) B-naphtol<br>iii. Hydrolysis Derivatives : a) Ethyl Benzoate b) Aspirin<br>iv. Bromo-Derivatives : a) Phenol b) Cinnamic Acid<br>v. Reduction Derivatives : a) M-dinitrobenzene<br>vi. Osazone Derivatives : a) Sucrose b) Glucose   | Demonstration      | 12            | 4 September<br>2017-18<br>September<br>2017 |         |

Signature of Faculty Member

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Class: B.A. / B.Sc. II. / M.A. / M.Sc. /

Management Science

Department of **Chemistry**

Paper No.: Paper No.: XII ( Sem III+IV) Lab.Course. II.

Name of Faculty Member: **Dr. K.S. Lohar**

Paper Name: **Physical**

**Chemistry**

| Chapter No. Unit No. | Title / Subject  | Method of Teaching | No. Of Period | Duration of Date / Month/ Year           | Remarks |
|----------------------|--|--------------------|---------------|--|---------|
| 3                    | Organic Estimations: (Any Two)<br>i. Estimation of nitro group by reduction.<br>ii. Estimation of glucose.<br>iii. Estimation of ester by hydrolysis.<br>iv. Estimation of amides by hydrolysis. | Demonstration      | 08            | 18 September<br>2017- 09<br>October 2017 |         |

  
Signature of Faculty Member

  
[Principal]

Shrikrishna Mahavidyalaya, Gunjoti  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2017-2018

SKMG / 2017-18

Department of Chemistry

Paper No.: Paper –II (I Sem.)

Class: B.Sc. I

Name of Faculty Member: Dr. V.S. Hogade

Paper Name: Organic Chemistry

| Chapter No./ Unit No. | Title / Subject  | Method of Teaching                                      | No. Of Period | Duration of Date / Month/ Year          | Remarks |
|-----------------------|--|---|---------------|---|---------|
| 1.                    | <b>Structure and Bonding:</b><br>Localized and delocalized chemical bond; charge transfer complexes, resonance, hyper conjugation, inductive effect, hydrogen bonding, conjugative effect, steric effect.  | Lecture   | 6             | July 06, 2017 to July 15, 2017.         |         |
| 2.                    | <b>Mechanism of Organic Reactions:</b><br>Homolytic and heterolytic bond breaking. Types of reagents electrophiles and nucleophiles. Types of organic reactions. Energy considerations. Reactive intermediates - carbocations, carbanions, free radicals (with two examples each).   | Lecture   | 10            | July 20, 2017 to August 10, 2017        |         |
| 3.                    | <b>Stereochemistry of Organic Compounds :</b><br>Concept of Isomerism - Types of isomerism. Optical Isomerism - elements of symmetry, molecular chirality, enantiomers, stereogenic centre, optical activity, properties of enantiomers, chiral and achiral molecules with two stereogenic centres, diastereomers, threo and erythro diastereomers, meso compounds. Relative and absolute configuration, sequence rules, D and L and R and S systems of nomenclature. Geometric Isomerism - Determination of configuration of geometric isomers. E and Z system of nomenclature, geometric isomerism in oximes and alicyclic compounds. Home Assignment. | Lecture<br>+Model<br>Demonstration<br>+LCD<br>Projector | 10            | August 11, 2017 to September 7, 2017    |         |
| 4.                    | <b>Alkanes :</b><br>Methods of formation (Koble reaction, Corey - House reaction and decarboxylation of carboxylic acids). Physical properties and Chemical reactions of alkanes. Chlorination, Nitration, Sulphonation, Catalytic oxidation.  | Lecture   | 4             | September 8, 2017 to September 15, 2017 |         |

*Bhogade*  
Signature of Faculty Member

*[Signature]*  
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Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2017-2018

SKMG / 2017-18

Department of Chemistry

Paper No.: Paper -II (I Sem.)

Class: B.Sc. I

Name of Faculty Member: Dr. V.S. Hogade

Paper Name: Organic Chemistry

| Chapter No./<br>Unit No. | Title / Subject   | Method of<br>Teaching       | No. Of<br>Period | Duration of Date /<br>Month/ Year           | Remarks |
|--------------------------|---|-----------------------------|------------------|---|---------|
| 5.                       | <b>Alkenes :</b><br>Nomenclature of alkenes, methods of formation, mechanisms of dehydration of alcohols and dehydrohalogenation of alkyl halides. The Saytzeff rule, Hofmann elimination, physical properties and relative stabilities of alkenes. Chemical reactions of alkenes - mechanisms involved in hydrogenation, electrophilic and free radical additions. Markownikoff's rule, hydroboration and oxidation with $\text{KMnO}_4$ . Polymerization of alkenes with one example each. Unit Test. | Lecture                     | 6                | September 16, 2017<br>to<br>October 5, 2017 |         |
| 6.                       | <b>Arenes and Aromaticity:</b><br>Nomenclature of benzene derivatives. The aryl group. Aromatic nucleus and side chain structure of benzene; molecular formula and Kekule structure. Resonance Structure, MO Picture. Aromaticity: The Huckel rule, aromatic ions. Aromatic electrophilic substitution: General Pattern of the mechanism (Nitration, halogenations and Sulphonation) and Friedel Crafts reaction.   | Lecture<br>LCD<br>Projector | 5                | October 6, 2017 to<br>October 14, 2017      |         |
| 7.                       | <b>Alkyl and Aryl halides:</b><br>Polyhalogen Compounds: Chloroform, Carbon tetrachloride. Methods -formation of aryl halides, nuclear and side chain reaction.   | Lecture                     | 4                | Extra Lectures                              |         |
|                          |   |                             |                  |   |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2017-2018

SKMG / 2017-18

Department of Chemistry

Paper No.: Paper – IV (II Sem.)


Class: B.Sc. I

Name of Faculty Member: Dr. V.S. Hogade

Paper Name: Physical Chemistry

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. Of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-------------------------|--|-----------------------|------------------|-----------------------------------|---------|
| 1.                      | <b>Mathematical Concepts:</b> Logarithmic relations, curve sketching, linear graphs and calculation of slopes, differentiation of functions like $kx$ , $ex$ , $xn$ , $\sin x$ , $\log x$ ; maxima and minima, partial differentiation.  | Lecture               | 06               | 2 to 15 December<br>2017          |         |
| 2.                      | <b>Gaseous State:</b> Postulates of kinetic theory of gases, kinetic gas equation, Deduction of Gas Laws : Boyles Law, Charles Law, Grahams Law of diffusion, Avogadro's hypothesis, deviation from ideal behaviour, van der Waals equation of state. Critical Phenomena: PV isotherms of real gases. Unit test.                     | Lecture               | 08               | 16 Dec. 2017 to 4<br>January 2018 |         |
| 3.                      | <b>Liquid State:</b> Intermolecular forces, structure of liquids (a qualitative description). Difference between solids, liquids and gases. Liquid Crystals: Classification, structure of nematic and cholestric phases.   | Lecture               | 6                | 5 to 18 January 2018              |         |
| 4.                      | <b>Solid State :</b> Types of solids, Amorphous, crystalline and difference between them, Miller Indices. Laws of crystallography - (i) Law of constancy of interfacial angles (ii) Law of rationality of indices (iii) Law of symmetry. Symmetry elements in crystals. X-ray diffraction by crystals. Derivation of Bragg equation. | Lecture               | 7                | 19 Jan. to 03 Feb.<br>2018        |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2017-2018

SKMG / 2017-18

Department of Chemistry

Paper No.: Paper -V (II Sem.)

Class: B.Sc. I

Name of Faculty Member: Dr. V.S. Hogade

Paper Name: Physical Chemistry

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching         | No. Of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-------------------------|---|-------------------------------|------------------|-----------------------------------|---------|
| 5.                      | <b>Colloidal State :</b><br>Definition of colloids, classification of colloids. Solids in liquids (sols): properties - kinetic, optical and electrical; stability of colloids, protective action. Hardy - Schulze Law. Liquids in liquids (emulsions): types of emulsions, preparation. Liquids in Solids (gels): classification, preparation and properties, general applications of colloids.   | Lecture &<br>LCD<br>Projector | 8                | 8 to 23 Feb. 2018                 |         |
| 6.                      | <b>Chemicals Kinetics and Catalysis:</b><br>Chemical Kinetics and its scope, rate of reaction, factors influencing the rate of reaction - concentration, temperature, pressure, solvent, light, catalyst concentration dependence of rates. Derivation of rate law and characteristics of simple chemical reactions - zero order, first order, second order, Pseudo order, half-life. Effect of temperature on rate of reaction. Arrhenius equation, concept of activation energy.<br><b>Catalysis:</b> Definition, types, and characteristics of catalysis, homogeneous, heterogeneous catalysis - Enzyme catalysis and its application. | Lecture                       | 10               | 1 to 23 Mar. 2018                 |         |
|                         |   |                               |                  |                                   |         |
|                         |   |                               |                  |                                   |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2017-2018

SKMG / 2017-18

Department of Chemistry

Paper No.: Paper –VIII (III Sem.)

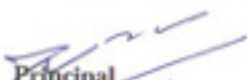
Class: B.Sc. II

Name of Faculty Member: Dr. V.S. Hogade

Paper Name: Physical Chemistry

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-------------------------|---|-----------------------|------------------|-----------------------------------|---------|
| 1.                      | <b>Thermodynamics- I:</b> Definition of <i>Thermodynamic Terms</i> : System, Surrounding types of system, intensive and extensive properties. Thermodynamic Process, Concept of heat and work. Work done in reversible and irreversible process, concept of maximum work ( $W_{max}$ ). Numerical problems. <i>First law of Thermodynamics</i> : Statement, Definition of Internal energy and Enthalpy. Heat capacity, heat capacities at constant volume pressure and their relationship. Calculation of $W$ , $q$ , $du$ and $dH$ for the expansion of ideal gases under isothermal and adiabatic conditions for reversible process, Numerical problems, Hess's law of heat Summation and its application. Home Assignment. | Lecture               | 15               | 20 June to 25 July<br>2017        |         |
| 2.                      | <b>Thermodynamic-II:</b> <i>Second Law of Thermodynamics</i> : Need for the law, different statement of the law. <i>Carnot Cycle</i> and its efficiency, Numerical Problems. Carnot Theorem. Concept of <i>Entropy</i> : Definition, Physical significance, Entropy as a State Function, Entropy change in Physical change, Entropy as criteria of Spontaneity & Equilibrium Entropy Change in Ideal Gases. Gibbs and Helmholtz Functions: Gibbs Function ( $G$ ) and Helmholtz Function ( $A$ ) as Thermodynamic Quantities. $A$ and $G$ as criteria for Thermodynamic Equilibrium and Spontaneity, their Advantage over Entropy change. Variation $A$ with $P$ , $V$ and $T$ . Unit Test.                                   | Lecture               | 20               | 26 July to 19 Sep.<br>2017        |         |
| 3.                      | <b>Chemical Equilibrium:</b> Equilibrium Constant and Free Energy. Thermodynamic Derivation of Law of Mass Action. Le Chatelier's Principle. Reaction Isotherm and Reaction Isochore. Clapeyron Equation, Clausius-Clapeyron Equation and its Application.  | Lecture               | 10               | 20 Sep to 11 Oct.<br>2017         |         |
|                         |   |                       |                  |                                   |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2017-2018

SKMG / 2017-18

Department of Chemistry


Paper No.: Paper –XI (IV Sem.)

Class: B.Sc. II

Name of Faculty Member: Dr. V.S. Hogade

Paper Name: Physical Chemistry

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching                           | No. Of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-------------------------|---|---|------------------|-----------------------------------|---------|
| 1.                      | <b>Phase Equilibrium:</b> Statement and Meaning of the Terms: Phase, Component, Degree of Freedom, Derivation of Phase Rule Equation. Phase Equilibria of the One Component System: Water System. Phase Equilibria of Two Components System: Solid-Liquid Equilibria, Simple Eutectic Pb-Ag. System Desilverisation of Lead. Solid Solutions: Compound formation with congruent Melting Point (Mg-Zn) and Incongruent Melting Point ( $\text{FeCl}_3 - \text{H}_2\text{O}$ ) System. Freezing Mixture, Acetone-Dry Ice. Liquid-Liquid Mixture: Raoult's Law and Henry's Law. Ideal and Non-Ideal system. Azeotropes: HCl – $\text{H}_2\text{O}$ and Ethanol – Water System. Partially Miscible Liquids: Phenol –Water, Tri methyl Amine – Water, Nicotine- water System, Lower and Upper Consolute Temperature. Effect of Impurity on Consolute Temperature. Unit Test. | Lecture &<br>ICT based<br>Teaching<br>material. | 15               | 4 Dec. 2017 to 8 Jan.<br>2018     |         |
| 2.                      | <b>Electro Chemistry- I:</b> Electrical Transport: Conduction in metals and in Electrolyte Solutions. Specific Conductance and equivalent conductance, measurement of equivalent conduction, variation of equivalent and specific conductance with dilution. Numerical problems. Kohlrausch's law and its application. Arrhenius Theory of Electrolyte Dissociation and its limitations. Weak and Strong Electrolytes, Ostwald's Dilution Law, its use and Limitations. Transport Number: Definition, Determination by Hittorf's Method and Moving Boundary Method. Conductometric Titration: Types and its advantages.   | Lecture   | 15               | 9 Jan. to 12 Feb.<br>2018         |         |
|                         |   |   |                  |                                   |         |
|                         |   |   |                  |                                   |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2017-2018

SKMG / 2017-18

Department of Chemistry

Paper No.: Paper -XI (IV Sem.)


Class: B.Sc. II

Name of Faculty Member: Dr. V.S. Hogade

Paper Name: Physical Chemistry

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. Of<br>Period | Duration of Date /<br>Month/ Year     | Remarks |
|-------------------------|--|-----------------------|------------------|---------------------------------------|---------|
| 3.                      | <b>Electrochemistry – II:</b><br><br>Types of Reversible Electrodes: Gas-Metal Ion, Metal-Metal Ion, Metal-Insoluble salt Anion and Redox Electrodes. Nernst Equation, Derivation of Cell, E.M.F. and single Electrode Potential, Standard Hydrogen Electrode, Reference Electrodes, Standard Electrode Potential, Sign Conventions, Electro-Chemical Series and its significance. Electrolytic and Galvanic Cells, Reversible and Irreversible Cells, Conventional Representation of Electro Chemical Cells. E.M.F. of a Cell and its Measurement, Calculation of Thermodynamic Quantities of Cell Reactions ( $\Delta G$ , $\Delta H$ and $K$ ). Definition of pH, pKa- Determination of pH using SHE and Glass Electrode by Potentiometer method. Buffer- Acidic and Basic Buffers, Mechanism of Buffer Action, Henderson- Hasselbalch equation. Corrosion: Dry (Atmospheric) Corrosion and Wet (Electro-Chemical) Corrosion Electrochemical Theory of Corrosion. | Lecture               | 15               | 14 February 2018 to<br>21 March 2018. |         |
|                         |  |                       |                  |                                       |         |
|                         |  |                       |                  |                                       |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2017-2018

SKMG / 2017-18

Department of Chemistry

Paper No.: Paper -III (I Sem.)


Class: B.Sc. I

Name of Faculty Member: Dr. V.S. Hogade

Paper Name: Lab Course I

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching      | No. Of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-------------------------|---|----------------------------|------------------|-----------------------------------|---------|
| I.                      | <b>Volumetric Analysis :</b><br><br>1. Preparation of 0.1N. NaOH solution and its standardization by given oxalic acid solution.<br><br>2. Preparation of 0.1 N oxalic acid solution and its standardization by given $KMNO_4$ solution.    | Lecture &<br>Demonstration | 08               | July 2017                         |         |
| II.                     | <b>Inorganic Qualitative Analysis :</b><br>Identify two acids and two basic radical from the given binary mixture.<br><br>a) $CdSO_4 + NH_4Cl$ b) $BaCO_3 + Al_2(NO_3)_3$<br>c) $ZnCO_3 + KBr$ d) $MnCO_3 + MgSO_4$<br>e) $NiSO_4 + MgCO_3$ | Lecture &<br>Demonstration | 20               | July 2017 to<br>September 2017    |         |
| III.                    | <b>Physical Chemistry:</b>  | Lecture &<br>Demonstration | 28               | September 2017 &<br>October 2017  |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2017-2018

SKMG / 2017-18

Department of Chemistry

Paper No.: Paper – III (I Sem.)


Class: B.Sc. I

Name of Faculty Member: Dr. V.S. Hogade

Paper Name: Lab Course I

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching      | No. Of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-------------------------|---|----------------------------|------------------|-----------------------------------|---------|
| 1.                      | <b>Eudiometer:</b> Determination of Equivalent weight of Mg   | Lecture &<br>Demonstration |                  |                                   |         |
| 2.                      | <b>Viscometer:</b> To Determine Viscosity of given liquid (Water / Ethanol) by viscometer   | Lecture &<br>Demonstration |                  |                                   |         |
| 3.                      | <b>Stalagmometer:</b> To determine surface tension of given liquid.   | Lecture &<br>Demonstration |                  |                                   |         |
| 4.                      | <b>Chemical Kinetics:</b> 1. To study the effect of acid strength on the hydrolysis of an ester.<br>2. To determine the specific reaction rate of the hydrolysis methyl / ethyl acetate catalyzed by hydrogen ions at room temperature.<br><b>Colorimeter:</b> - Verification of Lambert-Beer's law is using Spectrophotometer. |                            |                  |                                   |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2017-2018

SKMG / 2017-18

Department of Chemistry

Paper No.: Paper – VI (II Sem.)


Class: B.Sc. I

Name of Faculty Member: Dr. V.S. Hogade

Paper Name: Lab Course II

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching      | No. Of<br>Period | Duration of Date /<br>Month/ Year  | Remarks |
|-------------------------|---|----------------------------|------------------|------------------------------------|---------|
| I.                      | <b>Organic Qualitative Analysis:</b><br>Nature / Functional group / Element / Derivative / Physical constant<br>* Benzoic acid,<br>* salicylic acid,<br>* $\beta$ -naphthol,<br>* p-nitroaniline,<br>* Naphthalene,<br>* Acetanilide. | Lecture &<br>Demonstration | 40               | December 2017 and<br>February 2018 |         |
| II.                     | <b>Organic Estimation:</b><br><ul style="list-style-type: none"><li>Phenol by Bromination</li><li>Estimation of basicity, molecular weight of organic acid (oxalic/acetic acid)</li></ul>   | Lecture &<br>Demonstration | 16               | February 2018 &<br>March 2018      |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2017-2018

SKMG / 2017-18

Department of Chemistry

Paper No.: Paper ~~II~~ <sup>III</sup> (III Sem.)


Class: B.Sc. II

Name of Faculty Member: Dr. V.S. Hogade

Paper Name: Lab Course III

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching      | No. Of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-------------------------|---|----------------------------|------------------|-----------------------------------|---------|
| I.                      | <b>Section A (Physical Chemistry)</b><br><b>Non Instrumental</b><br><br>i) To determine critical solution temperature of Phenol- water system.<br><br>ii) To determine solubility of benzoic acid at different temperature and determine $\Delta H$<br><br>Of dissolution process.<br><br>iii) To determine heat of neutralization ( $\Delta H_n$ ) of NaOH and HCl<br><br>iv) To determine heat of neutralization ( $\Delta H_n$ ) of NaOH and Acetic acid.<br><br>v) Partition coefficient of Benzene – water system using benzoic acid.<br><br>vi) To determine the equilibrium constant for the reaction: $KI + I_2 \rightleftharpoons KI_3$<br><br>vii) Determine the molecular mass of polymer from viscometer measurements.<br><br>viii) To investigate the Kinetics of Iodination of acetone. | Lecture &<br>Demonstration | 56               | July 2017 to October<br>2017      |         |

  
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**SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI**  
**Teaching Plan Academic Year 2017-2018**

SKMG / 2017-18

Department of Chemistry

Paper No.: Paper - ~~XV~~ (IV Sem.)

Class: B.A. / B.Sc. II

Name of Faculty Member: Dr. V.S. Hogade

Paper Name: Lab Course IV (Physical Chemistry)

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching      | No. Of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-------------------------|--|----------------------------|------------------|-----------------------------------|---------|
| 1.                      | <p>Section A (Physical Chemistry)</p> <p><b>Instrumentation:</b></p> <p>i) To determine normality and strength of HCl using (0.1N) NaOH Solution Conductometrically.</p> <p>ii) To determine normality and strength of acetic acid using (0.1N) NaOH solution Conductometrically.</p> <p>iii) To determine normality and strength of HCl using (0.1N) NaOH solution by pH-Metrically.</p> <p>iv) To Verify Lambert-Beers Law using <math>KMnO_4</math> solution.</p> <p>v) To estimate the amount of Sugar using Polarimeter.</p> <p>vi) To determine refractive index of ethanol water system.</p> <p>vii) To determine indicator constant of indicator colorimetrically.</p> | Lecture &<br>Demonstration | 56               | December 2017-<br>March 2018      |         |

*V.S. Hogade*  
Signature of Faculty Member

*V.S. Hogade*  
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Tq. Omarga Dist. Osmanabad





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2017-2018

SKMG / 2017-18

Department of Chemistry


Paper No.: XV (V Sem.)


Class: B.A. / B.Sc. / M.A. / M.Sc. / Third Year

Name of Faculty Member: Dr. V.S. Hogade

Paper Name: Lab Course V (Inorganic Chemistry)

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching      | No. Of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-------------------------|--|----------------------------|------------------|-----------------------------------|---------|
| 1.                      | <b>Inorganic Chemistry</b><br><br>1 Inorganic Qualitative Analysis (Semi-Micro Analysis) (At least five mixtures)<br>2. Separation of calcium and Barium and estimation of Ca-volumetrically .<br>3. Separation of Cu and Ni from binary mixture solution and estimation of Cu-volumetrically .<br>4. Estimation of oxalic acid and $H_2SO_4$ in a given mixture Solution using NaOH and $KMnO_4$ solution.<br>5. Estimation of Fe by potassium dichromate using diphenyl ammine indicator.<br>6. Estimation of available chlorine in the given sample of bleaching powder.<br>7. Separation of calcium and Barium and estimation of Ba-gravimetrically.<br>8. Separation of Cu and Ni from binary mixture solution and estimation of Ni-gravimetrically | Lecture &<br>Demonstration | 56               | July 2017 and<br>October 2017     |         |

  
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**SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI**  
**Teaching –Plan Academic Year 2017-2018**

SKMG / 2017-18

Department of **Chemistry**

Paper No.: XVIII (VI Sem.)

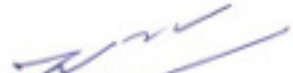
Class: B.Sc. III

Name of Faculty Member: Dr. V.S. Hogade

Paper Name: Lab Course VI (Physical Chemistry)

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching      | No. Of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-------------------------|---|----------------------------|------------------|-----------------------------------|---------|
| 1.                      | <p><b>Instrumental</b></p> <ol style="list-style-type: none"><li>Determine the % composition of HCl and CH<sub>3</sub>COOH in a given mixture by titrating against strong base conductometrically.</li><li>Determine the strength of oxalic acid conductometrically using sodium hydroxide solution.</li><li>To determine empirical formula of ferric -5-sulphosalicylate</li><li>Determine the amount of Fe<sup>2+</sup> in the given solution potentiometrically</li><li>To determine the refractive indices of series of salt solutions and to find out concentration of the salt in given unknown solution.</li></ol> <p><b>Non-Instrumental</b></p> <ol style="list-style-type: none"><li>To determine the interfacial tension between two immiscible liquids.</li><li>To study the effect of addition of an electrolyte NaCl / KCl on the solubility of benzoic acid at room temperature.</li><li>To determine the standard free energy change <math>\Delta G^0</math> and equilibrium constant for the reaction. <math>Cu + 2 Ag^+ = Cu^{2+} + 2 Ag</math></li></ol> | Lecture &<br>Demonstration | 56               | December 2018 -<br>March 2018     |         |

  
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**SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI**  
Academic Calendar for 180 Days

Faculty of Science

Academic Year- 2017- 2018

Department of Botany

Name of Faculty: Dr. G. M. Rathod

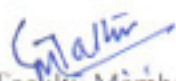
| Term             | Month     | Working days | Theory periods |            |           | Practical periods |            |           | Total periods |
|------------------|-----------|--------------|----------------|------------|-----------|-------------------|------------|-----------|---------------|
|                  |           |              | I              | II         | III       | I                 | II         | III       |               |
| First Term       | June      | 13           | --             | 04         | --        | --                | --         | --        | 04            |
|                  | July      | 26           | 13             | 14         | --        | 12                | 12+12      | 09        | 72            |
|                  | August    | 25           | 12             | 12         | --        | 12                | 15+12      | 09        | 72            |
|                  | September | 23           | 11             | 12         | --        | 06                | 12+12      | 12        | 65            |
|                  | October   | 12           | 09             | 10         | --        | 12                | 06+09      | 06        | 52            |
| <b>Total 1</b>   |           | <b>99</b>    | <b>45</b>      | <b>52</b>  | <b>--</b> | <b>42</b>         | <b>90</b>  | <b>36</b> | <b>265</b>    |
| Second Term      | November  |              |                |            |           |                   |            |           |               |
|                  | December  | 25           | 12             | 15         | --        | 09                | 12+15      | 12        | 75            |
|                  | January   | 26           | 13             | 11         | --        | 12                | 15+12      | 12        | 75            |
|                  | February  | 20           | 11             | 11         | --        | 12                | 12+12      | 12        | 70            |
|                  | March     | 18           | 04             | 06         | --        | 03                | 03+06      | 06        | 28            |
| <b>Total 2</b>   |           | <b>89</b>    | <b>46</b>      | <b>49</b>  | <b>--</b> | <b>42</b>         | <b>99</b>  | <b>51</b> | <b>287</b>    |
| <b>Total 1+2</b> |           | <b>192</b>   | <b>91</b>      | <b>101</b> | <b>--</b> | <b>84</b>         | <b>189</b> | <b>87</b> | <b>552</b>    |

Total working days = 192

Total theory periods = 192

Total practical periods = 360

Signature of Faculty Member



Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018

Class: B.Sc.

Department of Botany

Paper No.: I (I Sem.)

Name of Faculty: Dr. G. M. Rathod

Paper Name: Diversity of Cryptogams - I

| Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|---|--------------------|---------------|--------------------------------|---------|
| 1.       | <b>Viruses:</b> General characters, classification based on host, economic importance, TMV – structure and multiplication   | Lecture            | 04            |                                |         |
|          | <b>Mycoplasma:</b> General characters   | Lecture            | 01            |                                |         |
|          | <b>Bacteria:</b> General characters, ultra structure, classification based on shape, reproduction, economic importance  | Lecture            | 05            |                                |         |
|          | <b>Cryptogams:</b> General characters, classification according to G.M. Smith up to class level   | Lecture            | 01            |                                |         |
|          | <b>Lichens:</b> General characters, nature of association, forms of thalli, economic importance, structure and reproduction in <i>Usnea</i>   |                    |               | 04                             |         |
| 2.       | <b>Algae:</b> General characters, classification according to F.E. Fritsch (1935) up to the class level, economic importance.   | Lecture            | 02            |                                |         |
|          | Systematic position, occurrence, thallus structure, reproduction:-vegetative, asexual and sexual, (excluding development of sex organs) and graphic life cycle with respect to following types: i. Cyanophyceae– <i>Nostoc</i> ; ii. Chlorophyceae– <i>Chara</i> ; iii. Xanthophyceae – <i>Botrydium</i> ; iv. Phaeophyceae – <i>Sargassum</i> ; v. Rhodophyceae – <i>Batrachospermum</i> | Lecture            | 13            |                                |         |
| 3        | <b>Fungi:</b> General characters, classification according to Alexopoulous and Mims (1979) up to the class level, economic importance   | Lecture            | 03            |                                |         |
|          | Systematic position, occurrence, structure of mycelium, reproduction - asexual, sexual and graphic life cycle with respect to the following types: i) Oomycetes– <i>Albugo</i> ; ii) Zygomycetes– <i>Mucor</i> ; iii) Ascomycetes– <i>Eurotium</i> ; iv) Basidiomycetes – <i>Agaricus</i> ; v) Deuteromycetes – <i>Cercospora</i>   | Lecture            | 12            |                                |         |

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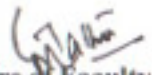
**SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI**  
Teaching –Plan Academic Year 2017-2018


Class: B.Sc.

Department of Botany  
Paper No.: III (I Sem.)

Name of Faculty: Dr. G. M. Rathod  
Paper Name: **Diversity of Cryptogams - (Pract.)**

| Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|---|--------------------|---------------|--------------------------------|---------|
| 1.       | Study of simple and compound microscope   | Demonstration      | 03            | July                           |         |
| 2.       | Virus: Tobacco Mosaic Virus   | Demonstration      | 03            | August                         |         |
| 3.       | Gram staining in bacteria, forms of Bacteria  | Demonstration      | 03            | September                      |         |
| 4        | <b>Algae:</b> a) <i>Nostoc</i> b) <i>Chara</i> c) <i>Botrydium</i> d) <i>Sargassum</i><br>e) <i>Batrachospermum</i> | Demonstration      | 03            | September                      |         |
| 5        | <b>Fungi:</b> a) <i>Albugo</i> b) <i>Mucor</i> , c) <i>Eurotium</i><br>d) <i>Agaricus</i> e) <i>Cercospora</i>      | Demonstration      | 03            | October                        |         |
| 6        | <b>Lichens:</b> Form - Crustose, Foliose, Fruticose; <i>Usnea</i> .   | Demonstration      | 03            | November                       |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018

Class: B.Sc.

Department of Botany

Paper No.: VIII (III Sem.)

Name of Faculty: Dr. G. M. RATHOD

Paper Name: Plant Ecology

| Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|--|--------------------|---------------|--------------------------------|---------|
| 1.       | A) Climatic factors – a) Light as an ecological factor, global radiation and photosynthetically active radiation b) Temperature as an ecological factor<br>c) Water as an ecological factor, physicochemical properties of water<br>B) Edaphic factor –Soil formation -soil profile, physicochemical properties of soil, major soil types of India, soil erosion and soil conservation | Lecture            | 06<br>09      |                                |         |
| 2.       | Response of plants to water-<br>Morphological, physiological and anatomical response of plants to water – hydrophytes, xerophytes, halophytes and epiphytes<br>Phytogeography: Biogeographical regions of India, vegetation types of India   | Lecture            | 15            |                                |         |
| 3.       | Community ecology:<br>Community characteristics -frequency, density, life forms, biological spectrum<br>Ecosystem:<br>structure -biotic and abiotic components, food chain, food web, ecological Pyramids, energy flow, biogeochemical cycles-nitrogen and phosphorus.   | Lecture            | 15            |                                |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018

Class: B.Sc.

Department of Botany

Paper No.: X (III Sem.)

Name of Faculty: Dr. G. M. RATHOD

Paper Name: Plant Ecology (Practical)

| Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|--|--------------------|---------------|--------------------------------|---------|
| 1.       | Study of morphological and anatomical adaptations in hydrophytes – <i>Hydrilla</i> , <i>Eichhornia</i> , <i>Typha</i> and <i>Nymphaea</i> .    | Demonstration      | 06            | June and July                  |         |
| 2.       | Study of morphological and anatomical adaptations in xerophytes - <i>Aloe</i> , <i>Nerium</i> , <i>Casuarina</i> .                             | Demonstration      | 03            | July                           |         |
| 3.       | Study of morphological adaptations in halophytes -Pneumatophores, Stilt roots  | Demonstration      | 03            | August                         |         |
| 4.       | Study of morphological and anatomical adaptations in epiphytes   | Demonstration      | 03            | August                         |         |
| 5.       | Study of vegetation by quadrat method  | Demonstration      | 06            | September                      |         |
| 6.       | Estimation of Importance Value Index (IVI) of grassland ecosystem on the basis of relative frequency, relative density and relative abundance. | Demonstration      | 06            | September                      |         |
| 7.       | Determination of water holding capacity of different soils   | Demonstration      | 03            | September                      |         |
| 8.       | Study of meteorological instruments -Rain gauge, Hygrometer, Barometer<br>Estimation of salinity of different water samples                    | Demonstration      | 03            | October                        |         |
| 9.       | Determination of percent leaf area injury of different infected leaf samples   | Demonstration      | 06            | October                        |         |
| 10.      | Determination of pH of different soils by pH papers/universal indicator/pH meter.  | Demonstration      | 06            | November                       |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018

Class: B.Sc.

Department of Botany  
Paper No.: IV (II Sem.)

Name of Faculty: Dr. G. M. RATHOD  
Paper Name: Diversity of Cryptogams - II

| Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|--|--------------------|---------------|--------------------------------|---------|
| 1.       | <b>Bryophytes:</b> 1.1 General characters of bryophytes, classification as per G. M. Smith; Systematic position, occurrence, thallus structure (external and internal), reproduction-vegetative, asexual, and sexual (excluding developmental stages), graphic life cycle and alternation of generations of the following types:<br>a) Hepaticopsida – <i>Marchantia</i> b) Bryopsida – <i>Funaria</i>   | Lecture            | 15            |                                |         |
| 2.       | <b>Pteridophytes:</b> General characters of Pteridophytes, classification as per G. M. Smith; Systematic position, occurrence, external and internal structure of sporophyte and gametophyte, reproduction (excluding developmental stages), graphic life cycle and alternation of generations of the following types:<br>a) Psilopsida – <i>Psilotum</i> b) Lycoposida – <i>Lycopodium</i> , <i>Selaginella</i> c) Sphenopsida – <i>Equisetum</i> d) Pteropsida – <i>Marsilea</i> | Lecture            | 30            |                                |         |
|          |  |                    |               |                                |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018

Class: B.A. / B.Sc. / M.A. / M.Sc.

Department of Botany  
Paper No.: VI (II Sem.)

Name of Faculty: Dr. G. M. RATHOD  
Paper Name: Diversity of Cryptogams-II (Practical)

| Unit No. | Title / Subject                                  | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|--|--------------------|---------------|--------------------------------|---------|
| 1.       | <b>Bryophytes:</b><br>i. <i>Marchantia</i>       | Demonstration      | 7             |                                |         |
| 2.       | <b>Bryophytes:</b><br>ii. <i>Funaria</i>         | Demonstration      | 8             |                                |         |
| 3.       | <b>Pteridophytes:</b><br>i. <i>Psilotum</i>      | Demonstration      | 6             |                                |         |
| 4.       | <b>Pteridophytes:</b><br>ii. <i>Lycopodium</i>   | Demonstration      | 6             |                                |         |
| 5.       | <b>Pteridophytes:</b><br>iii. <i>Selaginella</i> | Demonstration      | 6             |                                |         |
| 6.       | <b>Pteridophytes:</b><br>iv. <i>Equisetum</i>    | Demonstration      | 6             |                                |         |
| 7.       | <b>Pteridophytes:</b><br>v. <i>Marsilea</i>      | Demonstration      | 6             |                                |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018


Class: B.A. / B.Sc. / M.A. / M.Sc.

Department of Botany  
Paper No.: XII (IV Sem.)

Name of Faculty: Dr. G. M. RATHOD  
Paper Name: Plant Physiology

| Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|---|--------------------|---------------|--------------------------------|---------|
| 1.       | A) Diffusion, osmosis, Plasmolysis and imbibition. b) Water absorption and ascent of sap (Transpiration pull theory) c) Transpiration – Definition, types-cuticular, lenticular and stomatal, structure of stomata, mechanism of opening and closing of stomata(starch – sugar hypothesis).a) Macro and microelements: roles and deficiency symptoms of N, P,K, Mg, Ca, Fe, Zn, Bo, Mo, b) Mineral uptake – passive (ion exchange theory) and active (carrier concept) <b>Translocation of solutes:</b> Mass flow hypothesis, protoplasmic streaming theory, Source and sink relationship | Lecture            | 15            |                                |         |
| 2.       | <b>Enzymes:</b> Chemical nature holoenzyme, apoenzyme, prosthetic group, cofactor and coenzyme, properties, nomenclature, classification based on type of reactions, mechanism of enzyme action. <b>Growth:</b> Definition, Phases of Growth, Sigmoid growth curve. <b>Growth regulators:</b> Discovery, structure, roles and practical applications of Auxins, Gibberellins, Cytokinins, Abscisic acid and Ethylene  | Lecture            | 15            |                                |         |
| 3.       | <b>Photosynthesis:</b> Definition, ultra structure of chloroplast, photosynthetic pigments, Light reactions -Hill reaction, red drop and Emerson enhancement effect, two pigment systems (PS I, PS II), Photophosphorylation – cyclic and Non-cyclic, Z-scheme; Dark reactions -C3, C4 and CAM pathways<br><b>Respiration:</b> Definition, Ultra structure of mitochondria, types of respiration, Glycolysis, TCA Cycle, Electron transport system, alcoholic and lactic acid fermentation.   | Lecture            | 15            |                                |         |

  
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Teaching –Plan Academic Year 2017-2018

Class: B.A. / B.Sc. / M.A. / M.Sc.

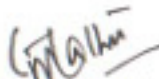
Department of Botany

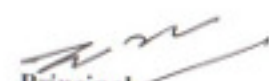
Paper No.: XIV (IV Sem.)

Name of Faculty: Dr. G. M. RATHOD

Paper Name: Plant Physiology (Pract.)

| Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|--|--------------------|---------------|--------------------------------|---------|
| 1.       | Osmosis by egg membrane and potato osmoscope;<br>Plasmolysis in <i>Tradescantia</i> leave  | Demonstration      | 03            |                                |         |
| 2.       | Effect of different conc. of organic solvents on membrane permeability   | Demonstration      | 03            |                                |         |
| 3.       | Determination of water potential of any tuber<br>Detection of mineral elements in plant ash                                      | Demonstration      | 06            |                                |         |
| 4.       | Digestion of starch by amylase Detection of enzyme activity : oxidase, peroxidase, catalase and dehydrogenase                    | Demonstration      | 06            |                                |         |
| 5.       | Separation of chloroplast pigments by paper chromatography<br>Separation of amino acids by paper chromatography                  | Demonstration      | 06            |                                |         |
| 6.       | Effect of different intensities of light on photosynthesis<br>Effect of different colours of light on photosynthesis             | Demonstration      | 06            |                                |         |
| 7.       | Fermentation by Kuhne's fermentation vessel  | Demonstration      | 03            |                                |         |
| 8.       | Isolation of starch Isolation of pectin  | Demonstration      | 03            |                                |         |
| 9.       | Estimation of total and reducing sugars in fruit juice by Fehling solution<br>Effect of IAA and Gibberellins on seed germination | Demonstration      | 09            |                                |         |

  
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Teaching –Plan Academic Year 2017-2018

Class: B.A. / B.Sc. / M.A. / M.Sc.

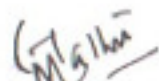
Department of Botany

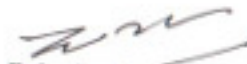
Paper No.: XXIII (VI Sem.)

Name of Faculty: Dr. G. M. RATHOD

Paper Name: Genetics and Biotechnology (Pract.)

| Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|--|--------------------|---------------|--------------------------------|---------|
| 1.       | Quiz   | Demonstration      | 06            |                                |         |
| 2.       | Working out laws of inheritance by using seed mixtures | Demonstration      | 06            |                                |         |
| 3.       | Problems based on gene interaction                     | Demonstration      | 06            |                                |         |
| 4.       | Problems based on sex linked inheritance               | Demonstration      | 06            |                                |         |
|          |  |                    |               |                                |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## 180 Days Academic Calendar

Faculty of : Science

Academic Year- 2017- 2018

Department of Botany

Name of Faculty: Dr. D. P. Chavan

| Term             | Month     | Working days | Theory periods |            | Practical periods |           | Total periods |
|------------------|-----------|--------------|----------------|------------|-------------------|-----------|---------------|
|                  |           |              | II             | III        | II                | III       |               |
| First Term       | June      | 13           | 04             | 04         | 00                | 00        | 08            |
|                  | July      | 26           | 11             | 14         | 07                | 14        | 88            |
|                  | August    | 25           | 11             | 12         | 04                | 12        | 71            |
|                  | September | 23           | 10             | 12         | 06                | 12        | 76            |
|                  | October   | 12           | 08             | 10         | 06                | 10        | 66            |
| <b>Total 1</b>   |           | <b>99</b>    | <b>44</b>      | <b>52</b>  | <b>23</b>         | <b>48</b> | <b>309</b>    |
|                  | December  | 25           | 11             | 15         | 07                | 15        | 92            |
|                  | January   | 26           | 14             | 10         | 09                | 10        | 81            |
|                  | February  | 20           | 12             | 11         | 09                | 11        | 83            |
|                  | March     | 18           | 04             | 06         | 03                | 06        | 37            |
| <b>Total 2</b>   |           | <b>89</b>    | <b>48</b>      | <b>48</b>  | <b>33</b>         | <b>48</b> | <b>339</b>    |
| <b>Total 1+2</b> |           | <b>192</b>   | <b>92</b>      | <b>100</b> | <b>56</b>         | <b>96</b> | <b>648</b>    |

Total working days = 192

Total theory periods = 192

Total practical periods = 456

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Tq. Omerga Dist. Osmanabad



# SI RIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.Sc. Second Year.

Department of Botany

Paper No.: Paper –VII (III Sem.)

Name of Faculty: Dr. D. P. Chavan

Paper Name: Taxonomy of Angiosperms

| Chap. No.<br>Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|-----------------------|---|--------------------|---------------|--------------------------------|---------|
| 1.                    | 1. Salient features, origin and evolution of Angiosperms (03)<br>2. Systems of classification- Introduction to Natural, Artificial & Phylogenetic (01)<br>3. Bentham and Hooker's system of classification upto series level, its merits and demerits (02)<br>4. Taxonomy in relation to anatomy, embryology, palynology, ecology and cytology (05)<br>5. Concept of Binomial Nomenclature and its advantages (02)<br>6. Concept of genus, species and epithet. (02)<br>7. Herbaria and Botanical Gardens. (05) | Lecture            | 15            | June , July                    |         |
| 2.                    | Study of the following families: systematic position , (25)<br>salient features, floral formula, floral diagram, common examples and their economic importance<br>i. Annonaceae<br>ii. Malvaceae<br>iii. Leguminosae<br>Fabaceae (Papilionaceae) Caesalpinaceae Mimosaceae<br>iv. Apocynaceae<br>v. Solanaceae<br>vi. Acanthaceae<br>vii. Lamiaceae (Labiatae)<br>viii. Nyctaginaceae<br>ix. Liliaceae<br>x Poaceae (Gramineae)   | Lecture            | 25            | August, September, October     |         |

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# SHR. KRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching -Plan Academic Year (2017-2018)

Class: **B.Sc. S.Y.**

Department of **Botany**

Paper No.: **Paper - IX (III Sem.)**

Name of Faculty: **Dr. D. P. Chavan**

Paper Name: (Taxonomy of Angiosperms) (**Practical**)

| Chap. No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. of<br>Period | Duration of ate /<br>Month/ Year  | Remarks |
|-----------------------|---|-----------------------|------------------|---|---------|
| 1.                    | Study of locally available plants of the following families :<br>1. Annonaceae<br><br>2. Malvaceae<br><br>3. Leguminosae<br>a) Fabaceae (Papilionaceae)<br>b) Caesalpiniaceae<br>c) Mimosaceae<br><br>4. Apocynaceae<br><br>5. Solanaceae<br><br>6. Acanthaceae<br><br>7. Lamiaceae (Labiatae)<br><br>8. Nyctaginaceae<br><br>9. Liliaceae<br><br>10. Poaceae (Gramineae) | Demonstration         | 45               | July<br><br>July<br><br>July<br>August<br>August<br><br>August<br><br>August<br><br>September<br><br>September<br>September<br>September<br><br>September<br>October<br>October |         |

Signature of Faculty

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Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Dahanu

## SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Name of Faculty: Dr. D. P. Chavan

| Chap. No. | Title / Subject | Method of Teaching | No. of Period | Duration of Date | Remarks |
|-----------|-----------------|--------------------|---------------|------------------|---------|
|-----------|-----------------|--------------------|---------------|------------------|---------|

|    |   |         |    |  |  |
|----|---|---------|----|--|--|
| 1. | Gymnosperms:<br>1. Salient features, classification as per Sporne 1965, economic importance<br>2. Geol. time scale, fossilization, types of fossils, Lyginopteris, fossil fuels<br>3. Contributions of Prof. Birbal Sahani<br>4. Study of morphology, anatomy, reproduction (excluding developmental stages) and graphical representation of life cycle of the following types:<br>a) Cycadales - Cycas<br>b) Coniferales - Pinus<br>c) Gnetales - Gnetum | Lecture | 23 | December<br>December<br>December<br>January 2018 |  |
|----|---|---------|----|--|--|

|    |  |         |    |  |  |
|----|--|---------|----|--|--|
| 2. | Utilization of Plants:<br>1. Domestication of plants and their centres of origin<br>2. History, origin, cultivation, harvesting, improved varieties and economic importance of the following plants:<br>i. Food plants - Wheat, Jowar ii) Sugar - Sugarcane<br>ii. Fibers - Cotton, Jute Vegetable oils - Groundnut, Sunflower<br>iii. Beverages - Tea, Coffee<br>3. Botanical name, family and economic importance of the following plants (5)<br>i. Medicinal plants - Aloe vera, Withania somnifera, Curcuma longa, Vitex negundo<br>ii. Timber and Gum - Teak, Neem, Babul, Sisam<br>iii. Cosmetics and Perfumes - Rose, Mogara, Tuberos<br>iv. Spices - Clove, Black pepper, Cumin, Coriander, Cinnamon | Lecture | 22 | January 2018<br>January 2018 &<br>February 2018<br>February 2018 &<br>March 2018 |  |
|----|--|---------|----|--|--|

Signature of Faculty



## SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching-Plan Academic Year (2017-2018)

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tadoba, Gadchiroli, Maharashtra



Class: B.Sc. S.Y.

Department of Botany

Paper No.: Paper XIII (IV Sem.)

Name of Faculty: Dr. D.P. Chavan

Paper Name: Gymnosperms and Utilization of plants (Pract.)

| Chap. No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. of<br>Period | Duration of Date<br>/ Month/ Year  | Remarks |
|-----------------------|--|-----------------------|------------------|--|---------|
| 1.                    | <b>Gymnosperms:</b><br>a) <b>Cycas</b><br>i. Habit, young leaf, bulbils, male cone, microsporophyll, megasporophyll, pollen grains, mature seed.<br>ii. Study through permanent slides-Normal root (T.S.), Stem (T.S.), Ovule (L.S.)<br>iii. Study through hand section-Coralloid root (T.S.), Rachis (T.S.), Leaflet (T.S.)<br>b) <b>Pinus</b> i. Habit, long and dwarf shoot, scale leaves, foliage leaves, male cone, female cone, pollengrains (W.M.), winged seed.<br>ii. Study through hand sections and permanent slides Root (T.S.), Stem (T.S.), Needle (T.S.)<br>iii. Study through permanent slide - T.L.S. & R.L.S. of stem, L.S. of male cone, L.S. of female cone Palaeobotany: a) Types of fossils (Specimens) b) Lygynopteris (Specimen / Permanent slide)<br>c) <b>Gnetum</b> Habit, T.S.Stem, Male and Female cone | Demonstration         |                  | December<br><br>December<br><br>December   |         |
| 2.                    | <b>Palaeobotany:</b><br>a) Types of fossils (Specimens)<br>b) Lygynopteris (Specimen / Permanent slide)  | Demonstration         |                  | January 2018   |         |
| 3.                    | <b>Utilization of plants :</b><br>a) Food plants – Study of the morphology, structure, and histochemical tests of food storing tissue in Jowar & Wheat<br>b) Histochemical test of lignin and cellulose<br>c) Vegetable oils – hand section of Groundnut & Sunflower Seed and staining of oil droplets by Sudan III<br>d) Study of the sources of Timber, Gum, Medicinal plants, Cosmotics and Perfumes<br>e) Study of Black pepper, Clove, Cinnamon, Cumin, Coriander<br>f) Field notebook, specimen collection, and tour report.   | Demonstration         |                  | January 2018<br><br>January 2018<br>January 2018/ &<br>February 2018<br><br>February 2018<br>February 2018 |         |

**SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI**

Teaching –Plan Academic Year (2017-2018)

Class: B.Sc. T.Y.

| Chap. No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration of Date / Month/ Year           | Remarks |
|-----------------------|--|--------------------|---------------|--|---------|
| 1.                    | <p><b>1. Biodiversity</b> (03)<br/>Definition, concept, origin and evolution</p> <p><b>2. Types of biodiversity:</b> (05)<br/>Species, genetic, ecological, cropland and agricultural diversity; biodiversity in India; endemism and hot spots; threatened species, threats to biodiversity</p> <p><b>3. Conservation of biodiversity:</b> (07)<br/>Major causes for loss of biodiversity, listing of threatened biodiversity; threatened categories – extinct, endangered, vulnerable, rare and indeterminate. Conservation measures: – ex-situ, and in-situ; biodiversity conservation in India.</p> | Lecture            | 15            | July<br><br>July<br><br>July &<br>August |         |
| 2.                    | <p><b>Phytotaxonomy:</b> (08)<br/>Classification of Angiosperms with special reference to Linnaeus, A. P. de Candolle, Bentham and Hooker.</p>   | Lecture            | 8             | August                                   |         |
| 3.                    | <p><b>Study of diversity following families with reference to the system of classification of Bentham and Hooker</b> (22)</p> <p>1. Magnoliaceae 13,18/8<br/>2. Nymphaeaceae 19,20/8<br/>3. Papveraceae 25,26/8<br/>4. Brassicaceae 27/8 &amp; 1/9<br/>5. Capparidaceae 2,3/9<br/>6. Rutaceae 9,10/9<br/>7. Rhamnaceae 15,16/9<br/>8. Combretaceae 22,23/9<br/>9. Lythraceae 24,29/9<br/>10. Cucurbitaceae 30/9 &amp; 1/10<br/>11. Apiaceae 6,7/10</p>   | Lecture            | 22            | September and<br>October                 |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching -Plan Academic Year (2017-2018)

Class: B.Sc. T. Y.

Department of Botany

Paper No. XX (A) Sem (V)

Name of Faculty: Dr. D. P. Chavan

Paper Name: (Diversity of Angiosperms-I) (Practical)

| Chap. No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. of<br>Period | Duration of Date<br>/ Month/ Year  | Remarks |
|-----------------------|---|-----------------------|------------------|--|---------|
| 1.                    | 1. Study of herbarium<br>2. Study of analytical characters<br>3. Preparation of indented and bracketed keys<br>4. Study of following families:<br>1. Magnoliaceae<br>2. Nymphaeaceae<br>3. Papaveraceae<br>4. Brassicaceae<br>5. Capparidaceae<br>6. Rutaceae,<br>7. Rhamnaceae<br>8. Combretaceae<br>9. Lythraceae<br>10. Cucurbitaceae<br>11. Apiaceae,<br>5. Mounting of pollen grains (acetolysis method) | Demonstration         | 135              | July<br>July<br>July<br>July<br>August<br>August<br>August<br>August<br>September<br>September<br>September<br>September<br>October<br>October |         |

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Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: **B.Sc. T. Y.**

Department of **Botany**

Paper No.: **Paper XXII (A) Sem VI**

Name of Faculty: **Dr. D. P. Chavan**

Paper Name: **(Diversity of Angiosperms-II)**

| Chap. No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration of Date / Month/ Year                           | Remarks |
|-----------------------|--|--------------------|---------------|--|---------|
| 1.                    | <b>Unit: 1</b><br>Plant identification: keys, herbaria and botanical gardens (04)<br><br>Origin of angiosperms: origin and evolution, Bennettitalean, Ralian and Caytonial theory (05)<br><br>Binomial nomenclature: Principles and rules (03)<br><br>Modern trends in taxonomy: Cytotaxonomy, chemotaxonomy, and numerical taxonomy (03)                        | Lecture            | 15            | December<br><br>December<br><br>December<br>January 2018 |         |
| 2.                    | <b>Unit.2</b><br>1. Phytotaxonomy: Study of Engler & Prantle, Hutchinson, Takhtajan system of classification (10)<br><br>2. Study of diversity of families: (20)<br>a. Asclepiadaceae<br>b. Scrophulariaceae<br>c. Oleaceae<br>d. Convolvulaceae<br>e. Verbenaceae<br>f. Amaranthaceae<br>g. Euphorbiaceae<br>h. Orchidaceae<br>i. Liliaceae<br>j. Commelinaceae | Lecture            | 30            | January 2018 &<br>February 2018                          |         |

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## SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

**Teaching -Plan Academic Year (2017-2018)**

Class: B.Sc.T. Y.

Department of Botany

Paper No.: Paper XXIV (A) Sem VI

Name of Faculty: Dr. D. P. Chavan

Paper Name: (Diversity of Angiosperms-II) (Practical)

| Chap. No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration of Date / Month/ Year   | Remarks |
|-----------------------|--|--------------------|---------------|--|---------|
| 1.                    | <p><b>Study of following families:</b></p> <ol style="list-style-type: none"> <li>1. Oleaceae</li> <li>2. Asclepiadaceae</li> <li>3. Convolvulaceae</li> <li>4. Scrophulariaceae</li> <li>5. Verbenaceae</li> <li>6. Amaranthaceae</li> <li>7. Euphorbiaceae</li> <li>8. Orchidaceae</li> <li>9. Liliaceae</li> <li>10. Commelinaceae</li> </ol> <p>2. Mounting of pollen grains (acetolysis method) and measurement of pollen size.</p> <p>3. Study of different types of stomata and epidermal structures (Trichome)</p> <p>4. Identification of plants up to species by using flora (Flora of Bombay Presidency/ Flora of Marathwada)</p> <p>5. Students should undertake excursion to ecologically different areas for plant study and submission of at least 10 wild plants at the time of examination.</p> | Demonstration      | 135           | December<br>December<br>December<br>December<br>January 2018<br>January 2018<br>January 2018<br>January 2018<br>January 2018<br>February 2018<br>February 2018<br>February 2018<br>February 2018<br>March 2018<br>March 2018 |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Department of Botany

Name of Faculty: **Dr. M. G. Ambuse**

Paper No.: **Bot-102, Paper –II (I Sem.)**

Paper Name: **Morphology of Angiosperms**

| Chap. No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. of<br>Period | Duration of Date /<br>Month/ Year                                   | Remarks |
|-----------------------|--|-----------------------|------------------|---|---------|
| 1.                    | 1.1- Basic body plan of flowering plant, modular type of growth, diversity of plant forms – Herbs, Shrubs, Trees, Climbers; annuals, biennials and perennials.   | Lecture               | 02               | 22, 23 June   |         |
|                       | 1.2 Morphology of vegetative organs: a) Root: Characteristics, functions, regions of root, types – tap and adventitious, modification of root for storage, mechanical support (stilt root) and vital functions (Pneumatophores). | Lecture               | 04               | 24,29,30,1, June /<br>July  |         |
|                       | b) Stem: Characteristics, functions, modification – underground, sub aerial and aerial   | Lecture               | 03               | 6,7,8, July   |         |
|                       | c) Leaf: Parts of typical leaf, phyllotaxy, types (simple and compound), diversity in shape and size, venation and modifications of leaf.  | Lecture               | 06               | 13,14,15,20,21,22,<br>July  |         |
| 2.                    | Morphology of reproductive organs: 2.1 Inflorescence: Racemose, cymose and special types   | Lecture               | 05               | 27 28,29,3 4, July/<br>August                                       |         |
|                       | 2.2 Flower: Definition, parts of typical flower, forms of thalamus, androphore, Gynophores, gynandrophore, insertion of floral whorls on thalamus (hypogyny, perigyny and epigyny),  | Lecture               | 15               | 5, 10,11,12,18, 19,<br>24, 26,1,7,8,9,<br>14,15, 16, August/<br>Sep |         |
|                       | Structure, function and modification of calyx, corolla, androecium, gynoecium, aestivation and placentation.   | Lecture               | 06               | 21,22, 23, 28, 5, 6,<br>Sept/Octo.                                  |         |
|                       | 2.3 Fruit: Types of fruits<br>2.4 Fruit and Seed dispersal strategies.   | Lecture               | 04               | 7,12, 13,14, October  |         |

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Tq. Omarga Dist. Osmanabad

# SHRIKRISHNA MAHAVIDYALA, A, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Department of Botany

Paper No.: Bot. Paper –III (I Sem.)

Name of Faculty: Dr. M. G. Ambuse

Paper Name: III (Practical)

| Chap. No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-----------------------|--|-----------------------|------------------|-----------------------------------|---------|
| 1.                    | Study of simple and compound microscope.   | Demonstration         | 03               | 2,7,9 14,16,21 July               |         |
| 2.                    | Virus : Tobacco Mosaic Virus   | Demonstration         | 03               | 28,30,4 July 6,11,13<br>Aug.      |         |
| 3.                    | Gram staining in bacteria, forms of Bacteria   | Demonstration         | 03               | ,18,20,25,27, Aug.<br>1,3, Sept.  |         |
| 4                     | Algae: (a) Nostoc (b) Chara (c) Botrydium (d) Sargassum (e) Batrachospermum  | Demonstration         | 03               | 8,10,15,17, Sept.                 |         |
| 5                     | Study of flowers with respect to pollination mechanism- Calotropis, Ocimum, Salvia, Helianthus, Ficus, Clitoria  | Demonstration         | 03               | 22,24, 29 Sept.<br>6,8, Oct.      |         |
| 6                     | Study of fruits- Simple: legume, capsule, caryopsis, achene, drupe, berry. Aggregate: an etaerio of berries, an etaerio of follicles. Composite fruit: sorosis, syconus. | Demonstration         | 03               | 13,15,20,22 Oct.                  |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)  
Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Department of Botany

Paper No.: Bot. Paper –III (I Sem.)

Name of Faculty: Dr. M. G. Ambuse

Paper Name: III (Practical)

| Chap. No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-----------------------|---|-----------------------|------------------|-----------------------------------|---------|
| 1.                    | Study of root and its modifications- Tap root, Adventitious root, Storage root, Stilt root, Respiratory root  | Demonstration         | 03               | 2,7,9 14,16,21 July               |         |
| 2.                    | Study of stem and its modifications- Underground stem, Sub aerial stem, Aerial stem   | Demonstration         | 03               | 28,30,4 July 6,11,13<br>Aug.      |         |
| 3.                    | Study of leaf and its diversity- Types of leaf (Simple Compound), Shape and size, Venation, Phyllotaxy, Modifications   | Demonstration         | 03               | ,18,20,25,27, Aug.<br>1,3, Sept.  |         |
| 4                     | Study of inflorescence- Racemose, Cymose, Special Study of flower- Typical flower (Hibiscus/Datura), Hypogynous, Perigynous, Epigynous, Aestivation, Forms of Corolla- cruciform, papilionaceous, infundibuliform and bilabiate, Parts of typical stamen, adhesion and cohesion, Parts of typical carpel and placentation | Demonstration         | 03               | 8,10,15,17, Sept.                 |         |
| 5                     | Study of flowers with respect to pollination mechanism- Calotropis, Ocimum, Salvia, Helianthus, Ficus, Clitoria   | Demonstration         | 03               | 22,24, 29 Sept.<br>6,8, Oct.      |         |
| 6                     | Study of fruits- Simple: legume, capsule, caryopsis, achene, drupe, berry. Aggregate: an etaerio of berries, an etaerio of follicles. Composite fruit: sorosis, syconus.  | Demonstration         | 03               | 13,15,20,22 Oct.                  |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Department of Botany

Paper No.: Botany, Paper –V (II Sem.)

Name of Faculty: Dr. M. G. Ambuse

Paper Name: Histology, Anatomy and Embryology

| Chap. No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. of<br>Period | Duration of Date /<br>Month/ Year        | Remarks |
|-----------------------|---|-----------------------|------------------|--|---------|
| 1.                    | <b>Types of tissue:</b> i. Meristematic tissue – Meristem, structure and types based on origin and position.  | Lecture               | 03               | 2,7,8, December                          |         |
|                       | ii. Permanent tissues: Simple, Complex and Secretary  | Lecture               | 06               | 9,14,15,16,21,22 December                |         |
|                       | iii. Epidermal tissues: Trichomes and Stomata b) Histological organization of root and shoot apices c) Various theories of cellular organization                                      | Lecture               | 06               | 23,28,29,30,4,5,<br>December/January     |         |
| 2.                    | <b>Anatomy:</b> a) Primary structure of root, stem and leaf of Monocot (Maize) and Dicot (Sunflower)  | Lecture               | 07               | 6,11,12,13,18,19,20,<br>January          |         |
|                       | b) Secondary growth in root and stem of Dicot (Sunflower) c) Wood anatomy: Growth rings, heart wood and sap wood d) Periderm: Origin, structure and functions.                        | Lecture               | 08               | 25, 27,1,2,3,8,9,10,January/<br>February |         |
| 3.                    | <b>Embryology:</b> a) Structure of anther, microsporogenesis and development of male gametophyte  | Lecture               | 03               | 15,16,17, February                       |         |
|                       | b) Structure and types of ovule, megasporogenesis and development of female gametophyte (Polygonum type). c) Pollination -Mechanism, types and agencies.                              | Lecture               | 06               | 22,23,1,3,8,9,<br>February/March         |         |
|                       | d) Double fertilization and its significance e) Development of Dicot embryo (Crucifer type). f) Structure, development and types of endosperm. g) Structure of dicot and monocot seed | Lecture               | 06               | 10,15,16,17,22,23 March                  |         |

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Tq.Omerga Dist.Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Name of Faculty: Dr. M. G. Ambuse

Department of Botany

Paper No.: Botany, Paper –VI (II Sem.)

Paper Name: Diversity of Cryptogams (Practical)

| Chap. No.<br>Unit No. | Title / Subject         | Method of<br>Teaching | No. of<br>Period | Duration of ate /<br>Month/ Year  | Remarks |
|-----------------------|-------------------------|-----------------------|------------------|-----------------------------------|---------|
| 1.                    | (a) Bryophytes :        | Demonstration         | 02               | 17,19 November                    |         |
| 2.                    | i) <i>Marchantia</i>    | Demonstration         | 02               | 24,26, Nove                       |         |
| 3.                    | ii) <i>Funaria</i>      | Demonstration         | 02               | 1,3, December                     |         |
| 4.                    | b) Pteridophytes        | Demonstration         | 03               | 8,10,15, December                 |         |
| 5.                    | i) <i>Psilotum</i>      | Demonstration         | 03               | 17,22,24, December                |         |
| 6.                    | ii) <i>Lycopodium</i>   | Demonstration         | 03               | 29,31,5,7, Dec./Jan.              |         |
| 7.                    | iii) <i>Selaginella</i> | Demonstration         | 03               | 12,19,21,28,<br>January           |         |
| 8.                    | iv) <i>Equisetum</i>    | Demonstration         | 03               | 2,4,9,11,16,18,23,25,<br>February |         |
| 9.                    | v) <i>Marsilea</i>      | Demonstration         | 03               | 2,4,9,11, March                   |         |

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Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Department of Botany

Name of Faculty: Dr. M. G. Ambuse

Paper No.: Botany, Paper –VI (II Sem.)

Paper Name: Histology, Anatomy and Embryology (Practical)

| Chap. No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. of<br>Period | Duration of ate /<br>Month/ Year  | Remarks |
|-----------------------|--|-----------------------|------------------|-----------------------------------|---------|
| 1.                    | Meristem: root apex and shoot apex   | Demonstration         | 03               | 17,19 November                    |         |
| 2.                    | Permanent tissues – simple, complex and secretory  | Demonstration         | 03               | 24,26, Nove                       |         |
| 3.                    | Epidermal tissues: Trichomes and stomata   | Demonstration         | 03               | 1,3, December                     |         |
| 4.                    | Anatomy of young dicot (Sunflower) and monocot (Maize) root.<br>(Double stained permanent slide preparation) | Demonstration         | 03               | 8,10,15, December                 |         |
| 5.                    | Anatomy of young dicot (Sunflower) and monocot (Maize) stem.<br>(Double stained permanent slide preparation) | Demonstration         | 03               | 17,22,24, December                |         |
| 6.                    | Anatomy of dicot (Sunflower) and monocot (Maize) leaf.<br>(Double stained permanent slide preparation)       | Demonstration         | 03               | 29,31,5,7, Dec./Jan.              |         |
| 7.                    | Study of T.S. of anther  | Demonstration         | 03               | 12,19,21,28,<br>January           |         |
| 8.                    | Structure of ovule (anatropous), types of ovules   | Demonstration         | 03               | 2,4,9,11,16,18,23,25,<br>February |         |
| 9.                    | Study of Dicot and Monocot seed (embryo)   | Demonstration         | 03               | 2,4,9,11, March                   |         |

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Tq. Omerga Dist. Osmanebad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Department of Botany

Name of Faculty: Dr. M. G. Ambuse

Paper No.: Botany, Paper –XVII (V Sem.)

Paper Name: Cell Biology and Molecular Biology

| Chap. No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. of<br>Period | Duration of Date /<br>Month/ Year  | Remarks |
|-----------------------|--|-----------------------|------------------|--|---------|
| 1.                    | 1. Cell: Structure of Prokaryotic cell (Bacterial cell) and Eukaryotic cell (plant cell) 2. Cell wall and cell organelles: Structure and functions of cell wall and Cell organelles – Golgi complex, Endoplasmic reticulum, lysosomes<br>3. Nucleus: Ultra structure, (nuclear membrane, nucleolus, chromatin material, nucleoplasm), Functions of nucleus.  | Lecture               | 15               | 20,21,27,28,3,4,5,10,<br>11,12,17,18,19,25,<br>26, June/July               |         |
| 2.                    | 1. Cell division: a) Cell cycle -G1 phase, S phase, G2 phase and M phase<br>b) Mitosis – definition, process and significance. c) Meiosis-definition, process and significance. 2. Nucleic acids: a. DNA: Definition, structure, chemical composition (nitrogenous bases, purines, pyrimidines, nucleosides, nucleotides, phosphate and sugars) Watson and Crick's model, Z - DNA, B - DNA, functions of DNA b. Replications of DNA – conservative, semi conservative and dispersive. c. RNA: Structure, types and functions | Lecture               | 15               | 31,1,2,7,8,9, 16,21,<br>22, 28,29,31,4,5,6,<br>July / August/<br>September |         |
| 3.                    | 1. Chromosome: Definition, morphology-size, shape, number, Ultra structure – chromatid, chromonema, chromomere, centromere, kinetochores, secondary constriction, satellite, telomere, heterochromatin, euchromatin, Nucleosome model (Woodlock 1973), chemical composition, Functions of chromosome, Giant chromosomes-polytene and lampbrush chromosome.<br>2) Chromosomal aberrations : a) Structural-deletion, duplication, inversion and translocation b) Numerical: – euploidy and aneuploidy                          | Lecture               | 15               | 11,12,13,18,19,20,<br>25,26,27,3,4,9,10,11,<br>October                     |         |

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Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Department of Botany

Paper No.: Botany, Paper –XIX (V Sem.)

Name of Faculty: Dr. M. G. AMBUSE

Paper Name: Cell Biology and Molecular Biology (Practical)

| Chap. No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-----------------------|---|-----------------------|------------------|-----------------------------------|---------|
| 1.                    | Study of the cell structure from onion leaf or <i>Tradescantia</i> leaf                           | Demonstration         | 03               | 24,27,28,June/                    |         |
| 2.                    | Preparation of cytological ( AA, FAA etc.) fixatives and stains (Acetocarmine, aceto-orcein).     | Demonstration         | 03               | 1,4,5,July                        |         |
| 3.                    | Study of electron micrographs of viruses, bacteria and cyanobacteria                              | Demonstration         | 03               | 9,11,12, July                     |         |
| 4.                    | Study of electron micrographs of eukaryotic cell and different cell organelles                    | Demonstration         | 06               | 16,18,19, 23,25,26,<br>July       |         |
| 5.                    | Preparation of slides for the study of mitosis ( root tips of onion)                              | Demonstration         | 06               | 30, July1,2,6, 8,9,<br>Aug        |         |
| 6.                    | Preparation of slides for the study of meiosis ( <i>Rhoeo</i> , <i>Aloe</i> or onion flower buds) | Demonstration         | 06               | 13,16,20,22,<br>23, 27August      |         |
| 7.                    | Preparation of idiogram from the given micrograph of karyotype                                    | Demonstration         | 06               | ./ 3,13,17,19,<br>20,24,September |         |
| 8.                    | Observation of giant chromosomes in <i>Chironomous</i> larvae                                     | Demonstration         | 06               | 26,27,1,3, 4,8,<br>September      |         |
| 9.                    | Preparation of wool models of mitosis, meiosis, cell structure, Chromosome, DNA and RNA.          | Demonstration         | 06               | 10,15,17,18,22,24<br>October      |         |

Signature of Faculty

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Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Department of Botany

Paper No.: Botany, Paper –XXI (VI Sem.)

Name of Faculty: Dr. M. G. Ambuse

Paper Name: Genetics and Biotechnology

| Chap. No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. of<br>Period | Duration of Date /<br>Month/ Year                               | Remarks |
|-----------------------|--|-----------------------|------------------|---|---------|
| 1.                    | <b>Mendelism:</b> i.Introduction -G.J. Mendel ii. Mendelian principles –Law of Dominance, law of segregation, law of independent assortment, back cross and test cross <b>2. Interaction of genes:</b> i.Allelic interaction: incomplete dominance, co dominance, lethal genes and blood group inheritance ii. Non allelic and non epistatic -comb shapes in fowls iii. Non allelic and epistatic: a) Complementary genes or duplicate recessive epistasis (9:7) b) Supplementary genes or recessive epistasis (9:3:4) c) Dominant epistatic genes or dominant epistasis (12:3:1) d) Duplicate genes or duplicate dominant epistasis (15:1) <b>3. Sex determination:</b> i. Chromosomal theory of sex determination ii. Mechanism of sex determination in man (xx -xy), Drosophila (xx and xy), birds (zz-zw), grasshopper (xx-xo) and genic balance theory in Drosophila iii. Sex determination in plants – <i>Melandrium</i> | Lecture               | 15               | 4,5,6,11,12,13, 18,19, 20,26,27,1,2,3,8, December/January       |         |
| 2.                    | <b>Sex linked inheritance:</b> X, XY and Y linked inheritance: i) Colourblindness and hemophilia in man ii) Holandric genes iii) White eye colour in Drosophila, iv) Gynandromorphs, <b>2. Structure and function of gene:</b> i. Fine structure of gene (Seymour Benzer) ii. One gene one enzyme hypothesis iii. Genes and related diseases – phenylketonuria, and alkaptonuria iv. Detection of genetic diseases – amniocentesis Genetic counselling   | Lecture               | 15               | 9,10,15,16,17,22, 23, 24,29,30, 31,5, 6,7,12, January /February |         |
| 3.                    | <b>Biotechnology:</b> 1. Concept of genetic engineering and recombinant DNA technology 2. Restriction endonucleases, their properties and uses 3. Cloning vectors -plasmids and phage vectors 4. Techniques of genetic engineering - isolation of desired gene, gene cloning, transfer of gene into plants 5. Applications of genetic engineering  | Lecture               | 15               | 14,20,21,26,27,28,5, 6,7,12,13,14,19,20,21 February/March       |         |

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Principal

Shrikrishna Mahavidyalaya, Gunjoti

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Department of Botany

Paper No.: Botany, Paper –XXIII (VI Sem.)

Name of Faculty: Dr. M. G. Ambuse

Paper Name: (Practical) Genetics and Biotechnology

| Chap. No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. of<br>Period | Duration of Date /<br>Month/ Year   | Remarks |
|-----------------------|--|-----------------------|------------------|---|---------|
| 1.                    | Quiz   | Demonstration         | 03               | 18,21,22,   |         |
| 2.                    | Working out laws of inheritance by using seed mixtures | Demonstration         | 06               | 25,28,29 November<br>2,5,6/December   |         |
| 3.                    | Problems based on gene interaction                     | Demonstration         | 18               | 9,13,16,19,20,23,26,27,30,<br>2, 3,6, 9,10,13,16,17, 20<br>23,December/ January |         |
| 4.                    | Problems based on sex linked inheritance.              | Demonstration         | 18               | 24,27,30,31,3,6,7,10,13,14,<br>17,20,21,27,28,3,6,7,10,<br>Feb/March            |         |
|                       |  |                       |                  |   |         |
|                       |  |                       |                  |   |         |
|                       |  |                       |                  |   |         |

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Tq. Omarga Dist. Osmanabad

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## 180 Days Academic Calendar

Faculty of Arts/Science /Management Science Academic Year- 2017- 2018

Department of Botany

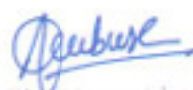
Name of Faculty: Dr. M. G. Ambuse

| Term       | Month       | Working days | Theory periods |    |     | Practical periods |    |     | Total periods |
|------------|-------------|--------------|----------------|----|-----|-------------------|----|-----|---------------|
|            |             |              | I              | II | III | I                 | II | III |               |
| First Term | June        | 09           | -              | 00 | 06  | -                 | 00 | 02  | 12            |
|            | July        | 26           | 13             | 00 | 13  | 12                | 00 | 12  | 98            |
|            | August      | 21           | 11             | 00 | 10  | 03                | 00 | 03  | 39            |
|            | September   | 23           | 11             | 00 | 12  | 04                | 00 | 04  | 47            |
|            | October     | 11           | 06             | 00 | 05  | 02                | 00 | 02  | 23            |
| Total 1    |             | 89           | 42             | 00 | 49  | 35                | 00 | 49  | 219           |
|            | December    | 24           | 13             | 00 | 11  | 04                | 00 | 04  | 48            |
|            | January 14  | 26           | 11             | 00 | 15  | 03                | 00 | 05  | 50            |
|            | February 14 | 21           | 12             | 00 | 10  | 04                | 00 | 04  | 45            |
|            | March 14    | 19           | 10             | 00 | 08  | 03                | 00 | 03  | 37            |
| Total 2    |             | 90           | 46             | 00 | 44  | 14                | 00 | 16  | 180           |
| Total 1+2  |             | 179          | 88             |    | 93  | 49                |    | 65  | 399           |

Total working days = 192

Total theory periods = 181

Total practical periods = 114



Signature of Faculty



Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Omerga



# SHRIKIRSHNA MAHAVIDYALAYA, GUNJOTI

Teaching days Calendar for 180 days

Department : **PHYSICS**

Academic year **2017-2018**

Name of the Faculty Member : **Dr.S.M.Patange**

| Term         | Month  | Working Days | Theory Periods |           |           | Practical Periods | Total Periods |
|--------------|--|--------------|----------------|-----------|-----------|-------------------|---------------|
|              |  |              | I              | II        | III       |                   |               |
| First Term   | June   | 09           | 04             | 04        | 05        | --                | 13            |
|              | July   | 26           | 13             | 13        | 13        | 36                | 75            |
|              | August   | 21           | 10             | 10        | 11        | 30                | 61            |
|              | September  | 23           | 12             | 12        | 11        | 36                | 71            |
|              | October  | 11           | 05             | 05        | 06        | 18                | 34            |
|              | <b>Total I</b>   | <b>90</b>    | <b>44</b>      | <b>44</b> | <b>46</b> | <b>120</b>        | <b>254</b>    |
| Second Terms | First Term Examination 06 November to 01 December 2017 |              |                |           |           |                   |               |
|              | December   | 24           | 11             | 11        | 13        | 36                | 71            |
|              | January  | 26           | 15             | 15        | 11        | 36                | 77            |
|              | February   | 21           | 10             | 10        | 11        | 36                | 67            |
|              | March  | 19           | 09             | 09        | 10        | 30                | 58            |
|              | <b>Total II</b>  | <b>90</b>    | <b>45</b>      | <b>45</b> | <b>45</b> | <b>138</b>        | <b>273</b>    |
|              | <b>Total I+II</b>                                      | <b>180</b>   | <b>89</b>      | <b>89</b> | <b>91</b> | <b>258</b>        | <b>527</b>    |

Total Teaching days **180**

Total Theory Periods **269**

Total Practical Periods **273**

  
Signature of Faculty Member.



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

SKMG / 1000 / 2014-15

Department of Physics

Paper No.: Phy-101, Paper –I (I Sem.)

Class: B.A. / B.Sc. I / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. S.M.Patange

Paper Name: Mechanics, Properties of Matter & Sound

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Duration of Date<br>/ Month/ Year | Remarks |
|-------------------------|---|-----------------------|------------------|-----------------------------------|---------|
| 1.                      | <b>Mechanics :</b><br>Compound Pendulum- expression of time period, Interchangeability of centre of suspension and oscillation, Kater's Pendulum. Newton's law of Gravitation ( Statement only ), Gravitational Field , Gravitational Potential, Gravitational Potential of mass, Gravitational potential and field due to spherical shell and solid sphere (at a point, outside, inside and on the surface). | Lecture               | 13               | 20 June to 19 July 2017           |         |
| 2.                      | <b>2. Elasticity</b><br>Introduction , Moduli of Elasticity ( Elastic constants ), Twisting couple on a cylinder, Bending of Beam – Bending moment, cantilever loaded at free end – (a) When weight of beam is ineffective, (b) When weight of beam is effective, Depression of Beam loaded at centre   | Lecture               | 10               | 24 July to 16 Aug. 2017           |         |

  
Signature of Faculty Member

  
Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

SKMG / 1000 / 2014-15

Department of Physics

Paper No.: Phy-101, Paper –I (I Sem.)

Class: B.A. / B.Sc. I/ M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. S.M.Patange

Paper Name: Mechanics, Properties of Matter & Sound

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching | No. Of Period | Duration of Date / Month/ Year | Remarks |
|-------------------------|--|--------------------|---------------|--------------------------------|---------|
| 3.                      | <b>3.Viscosity and Surface Tension:</b><br>Viscosity - Introduction, energy of liquid in motion, Bernoulli's Theorem, practical applications: (i) Law of hydrostatic pressure (ii) Filter pump, Poiseuille's formula.<br>Surface Tension- Introduction, Difference of pressure across a curved surface, Determination of S.T. by Jaeger's method   | Lecture            | 12            | 21Aug. to 19 Sept. 2017        |         |
| 4.                      | <b>4.Ultrasonic and Acoustics :</b><br>Ultrasonic- Piezo – electric effect, Piezo – electric Generator, Magnetostriction effect, Magnetostriction oscillator, Applications of ultrasonic– Depth of sea, Chemical effects, Medical applications.<br>Acoustics- Reverberation, Acoustical demands of an auditorium, Sabine's Law – Derivation of Reverberation time, conditions of good acoustical designs of room.. | Lecture            | 10            | 20 Sept. to 11 Oct. 2017       |         |

Signature of Faculty Member

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tal. Omerga Dist. Gemanah.



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

SKMG / 1000 / 2014-15

Department of Physics

Paper No.: IV Phy-104 (II Sem.)

Class: B.A. / B.Sc. I/ M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. S.M.Patange

Paper Name: Geometrical and Physical Optics

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Dura on of Date / Month/ Year | Remarks |
|-------------------------|---|--------------------|---------------|-------------------------------|---------|
| 1.                      | <b>Geometrical Optics and Optical Instruments:</b><br>Cardinal points of optical system – Focal points, Principal points, Nodal points and corresponding planes, coaxial lens system - equivalent focal length and cardinal points.<br>Huygens's Eyepiece, Ramsden's eyepiece and their cardinal points,. | Lecture            | 12            | 4 Dec. 2017 to 1 Jan 2018     |         |
| 2.                      | <b>Interference :</b><br>Interference in thin film due to reflected and transmitted light, wedge shaped thin film, Newton's rings by reflected light, determination of wavelength, Michelson's Interferometer, type of fringes, determination of wavelength and difference in wavelength.                 | Lecture            | 10            | 2 Jan to 23 Jan 2018          |         |

  
Signature of Faculty Member

  
Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

SKMG / 1000 / 2014-15

Department of Physics

Paper No.: IV Phy-104 (II Sem.)

Class: B.A. / B.Sc.I / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. S.M.Patange

Paper Name: Geometrical and Physical Optics

| Chapter No. | Title / Subject  | Method of Teaching | No. Of Period | Duration of Date / Month/ Year | Remarks |
|-------------|--|--------------------|---------------|--------------------------------|---------|
| 3.          | <b>Diffraction :</b><br>Introduction, Diffraction at a thin wire , Fraunhofer diffraction at double slit (Interference and diffraction maxima, minima), Plane Transmission diffraction grating, Determination of wavelength (Normal incidence), Resolving power of optical instruments (Rayleigh's criterion), R. P. of prism and grating. | Lecture            | 13            | 24 Jan to 27 Feb 2018          |         |
| 4.          | <b>Polarization:</b><br>Introduction, Malus law, Double refraction, Huygens's theory of double refraction in uniaxial crystal, Nicol prism. Optical activity, Fresnel's theory of optical rotation, specific Rotation, Laurentz's half – shade polarimeter, Determination of specific rotation of sugar solution.                          | Lecture            | 10            | 28 Feb to 21 March 2018        |         |

Signature of Faculty Member

Principal  
Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

SKMG / 1000 / 2014-15

Department of Physics

Paper No.: Phy-201, Paper –VII (III Sem.)


Class: B.A. / B.Sc.II / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. S.M.Patange

Paper Name: Mathematical, Statistical Physics & Relativity

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year | Remarks |
|-------------------------|---|--------------------|---------------|--------------------------------|---------|
| 1.                      | <b>Differentiation and ordinary differential equation :</b><br>Limit of function, partial differentiation, successive differentiation, total differentiation, exact differentiation, chain rule. Ordinary differential equation, order and degree of differential eq., Solution of first order differential equations, solution of second order linear differential equations with constant coefficient.(1) Homogeneous (2) Inhomogeneous, special case of exponential right hand to find PI. | Lecture            | 15            | 20 June to 25<br>July 2017     |         |
| 2.                      | <b>Statistical basis and classical statistics:</b><br>Introduction, probability, principle of equal a priori probability and frequency, some basis rules of probability theory, permutation and combination, macrostate and microstate, phase space, Thermo-dynamical probability, division of compartment into cell, Maxwell-Boltzmann's distribution law, evaluation of constants $e^{-\alpha}$ and $\beta$ , M.B. distribution function for ideal gas, M.B. speed distribution law.        | Lecture            | 12            | 26 July to 29<br>Aug. 2017     |         |

  
Signature of Faculty Member

  
Principal  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Gemanjli



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

SKMG / 1000 / 2014-15

Department of Physics

Paper No.: Phy-301, Paper –VII (III Sem.)

Class: B.A. / B.Sc.II / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. S.M.Patange

Paper Name Mathematical, Statistical Physics & Relativity

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year | Remarks |
|-------------------------|---|--------------------|---------------|--------------------------------|---------|
| 3.                      | <b>Quantum Statics :</b><br>Need of quantum statistics, Bose-Einstein distribution law, Planck radiation law, Fermi-Dirac distribution law, electron gas, Fermi level and Fermi energy, Fermi energy for electron in a metal, Comparison of three statics, difference between classical and quantum statistics. | Lecture            | 10            | 26 to 25 Sept<br>2017          |         |
| 4.                      | <b>Theory of relativity :</b><br>Introduction, frame of reference, Galilen transformation equations, Michelson Morley experiment Special theory of relativity, Lorentz transformation equation, length contraction, time dilation, addition of velocities, variation of mass energy equivalence.                | Lecture            | 08            | 26 Sept to 11<br>Oct. 2017     |         |

Signature of Faculty Member

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Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

SKMG / 1000 / 2014-15

Class: B.A. / B.Sc.II / M.A. / M.Sc. / Management Science

Department of Physics

Name of Faculty Member: Dr. S.M.Patange

Paper No.: Phy-205, Paper –XI (IV Sem.)

Paper Name: General Electronic

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Dura on of Date<br>/ Month/ Year | Remarks |
|-------------------------|---|-----------------------|------------------|----------------------------------|---------|
| 1.                      | <b>Semiconductor :</b><br>Introduction, construction, working and characteristic of semiconductor diode, Zener diode, Zener diode characteristics, Transistor (PNP and NPN), transistors characteristics (CC, CB and CC), construction, working and characteristics of FET and MOSFET.  | Lecture               | 08               | 4 to 19 Dec.<br>2017             |         |
| 2.                      | <b>Transistor Biasing and Amplifier :</b><br>Transistor basing, selection of operating point, bias stability, transistor biasing circuits- fixed bias or base bias, collector feedback bias, emitter feedback bias or self bias, single stage transistor amplifier, frequency response of RC coupled amplifier, Noise in amplifier, feedback in amplifier, Op- amp characteristics, inverting & non inverting amplifier, Op-amp as an adder and subtractor. | Lecture               | 15               | 20 Dec. 2017 to<br>24 Jan 2018   |         |

Signature of Faculty Member

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Shrikrishna Mahavidyalaya, Gunjoti  
Tq:Omarga Dist:Osmerga





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

SKMG / 1000 / 2014-15

Department of Physics

Paper No.: Phy-401, Paper –XI (IV Sem.)

Class: B.A. / B.Sc.II / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. S.M.Patange

Paper Name: General Electronic

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Dura on of Date<br>/ Month/ Year | Remarks |
|-------------------------|---|-----------------------|------------------|----------------------------------|---------|
| 3.                      | <b>Oscillators and Multivibrators :</b><br>Two port network representation of transistor, Hybrid parameters of h- parameter, positive feedback, Basic principle of oscillators, requirements of feedback, RC oscillator (Phase shift oscillator), LC oscillator (Hartley oscillator) Transistorised, astable multivibrator, monostable multivibrator, bistable multivibrator. | Lecture               | 15               | 29 Jan to 6<br>March. 2018       |         |
| 4.                      | <b>Modulation and demodulation :</b><br>Modulation, amplitude modulation, modulation index, frequency modulation, phase modulation, demodulation, advantages of frequency modulation over amplitude modulation.   | Lecture               | 07               | 7 to 21 March<br>2018            |         |

Signature of Faculty Member

Principal

Shrikrishna Mahavidyalaya Gunjoti  
Tq. Umarga Dist. Solapur



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

SKMG / 1000 / 2014-15

Department of Physics

Paper No.: Phy-203 & 204, Paper –IX & X (III Sem.)

Class: B.A. / B.Sc.II / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. S.M.Patange

Paper Name: Prac cal

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. Of<br>Period | Dura on of Date /<br>Month/ Year | Remarks |
|-------------------------|--|-----------------------|------------------|----------------------------------|---------|
| 1.                      | h by photo cell  | Demonstra on          | 09               | 5,6,12 July 2017                 |         |
| 2.                      | e / m by Thomson tube  | Demonstra on          | 06               | 13,19 July 2017                  |         |
| 3.                      | Determiration of BH and BV by earth's Inductor               | Demonstra on          | 06               | 20,26 July 2017                  |         |
| 4.                      | Measurement of low resistance using Potentiometer.           | Demonstra on          | 06               | 27 July & 2 Aug. 2017            |         |
| 5.                      | Determiration of A.C. mains using Sonometer.                 | Demonstra on          | 06               | 3,9, Aug. 2017                   |         |
| 6.                      | To study specific rotation by Laurent half shade Polarimeter | Demonstra on          | 06               | 10,16 Aug. 2017                  |         |
| 7.                      | Cauchy's constant by using spectrometer.                     | Demonstra on          | 06               | 24,31 Aug.2017                   |         |
| 8.                      | Comparison of capacities by Desauty method                   | Demonstra on          | 06               | 6,7 sept.2017                    |         |
| 9                       | Velocity of sound using Helmholtz resonator                  | Demonstra on          | 06               | 13,14 Sept.2017                  |         |
| 10.                     | R.P. Telescope   | Demonstra on          | 06               | 20,21 Sept.2017                  |         |
| 11.                     | Wave length by Newton's ring                                 | Demonstra on          | 06               | 27,28 Sept.2017                  |         |
| 12.                     | Thermal conductivity of rubber tube.                         | Demonstra on          | 06               | 4,5 Oct. 2017                    |         |
| 13                      | Study of temperature dependence of total radiation           | Demonstra on          | 06               | 11,12 Oct. 2017                  |         |

Signature of Faculty Member

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tal. Omarga Dist. N.



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

SKMG / 1000 / 2014-15

Department of Physics

Paper No.: Phy-207 & 208, Paper –XIII & XIV (IV Sem.)

Class: B.A. / B.Sc.II / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. S.M.Patange

Paper Name: Prac cal

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Dura on of Date / Month/ Year | Remarks |
|-------------------------|---|--------------------|---------------|-------------------------------|---------|
| 1.                      | Energy band gap of semiconductor using thermister.        | Demonstra on       | 09            | 6,7,13 Dec. 2017              |         |
| 2.                      | I-V Characteristics of solar cell.                        | Demonstra on       | 06            | 14,20 Dec. 2017               |         |
| 3.                      | Calibration of bridge wire using carry foster bridge.     | Demonstra on       | 09            | 21,27,28 Dec. 2017            |         |
| 4.                      | Determiation of absolute capacity of condenser using B.G. | Demonstra on       | 09            | 3,4,10 Jan 2018               |         |
| 5.                      | Full wave rectifier with $\mu$ filter                     | Demonstra on       | 06            | 11,17 Jan 018                 |         |
| 6.                      | Viscosity of liquid using Searle's Viscometer             | Demonstra on       | 09            | 18,24 25 Jan 2018             |         |
| 7.                      | Viscosity of liquid by Oscillating disc method            | Demonstra on       | 09            | 31 Jan 1,7 Feb 2018           |         |
| 8.                      | Transistor characteristics in CE configuration.           | Demonstra on       | 06            | 8.14 Feb. 2018                |         |
| 9.                      | Transistor characteristics in CB configuration            | Demonstra on       | 06            | 15,21 Feb. 2018               |         |
| 10.                     | Study of CE amplifier                                     | Demonstra on       | 06            | 22 28 Feb 2018                |         |
| 11.                     | Hartley Oscillator using transistor.                      | Demonstra on       | 06            | 1,7 March 2018                |         |
| 12.                     | Wien bridge oscillator using transistor.                  | Demonstra on       | 06            | 8,14 March 2018               |         |
| 13                      | JFET characteristics (rp,gm and $\mu$ )                   | Demonstra on       | 06            | 15,21 March 2018              |         |

Signature of Faculty Member

Principal  
Shrikrishna Mahavidyalaya Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

SKMG / 1000 / 2014-15

Department of Physics

Paper No.: **Phy-501, Paper –XV (V Sem.)**

Class: B.A. / B.Sc.III / M.A. / M.Sc. / Management Science

Name of Faculty Member: **Dr. S.M.Patange**

Paper Name: **Classical and Quantum Mechanics**

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Dura on of Date<br>/ Month/ Year | Remarks |
|-------------------------|---|-----------------------|------------------|----------------------------------|---------|
| 3.                      | <b>Wave Particle duality:</b><br>Introduction, de-Broglie's hypothesis for matter waves, de-Broglie's wavelength in terms of energy and temperature, de-Broglie phase velocity and particle velocity (relation between them), Group velocity, Relation between group velocity and phase velocity, Davisson-Germer Experiment, Heisenberg uncertainty principle, Applications of Heisenberg uncertainty principle (1) Nonexistence of electrons in nucleus (2) Binding energy of an electron in an atom. | Lecture               | 12               | 12 Aug to 15 Spt.<br>2017        |         |
| 4.                      | <b>Schrodinger Equation and its Application:</b><br>Wave Function ( $\Psi$ ) of a moving particle, Time dependent Schrodinger's wave equation, Expectation value, Operators, Time independent Schrodinger equation (steady state form), particle in one dimensional box, Quantization of energy and momentum.   | Lecture               | 10               | 16 Sept. to 14<br>Oct. 2014      |         |

Signature of Faculty Member

Principal  
Shrikrishna Mahavidyalaya Gunjoti  
Tq. Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

SKMG / 1000 / 2014-15

Department of Physics

Paper No.: Phy-501, Paper –XV (V Sem.)

Class: B.A. / B.Sc.III / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. S.M.Patange

Paper Name: Classical and Quantum Mechanics

| Chapter No.<br>Unit No. | Title / Subject  | Method of Teaching | No. Of Period | Dura on of Date / Month/ Year | Remarks |
|-------------------------|--|--------------------|---------------|-------------------------------|---------|
| 1.                      | <b>Classical Mechanics:</b><br>Mechanics of Particle, Mechanics of system of particles<br>Constraints, Classification of Constraints, Virtual Work,<br>D'Alembert's principle, Lagrange's equation, Simple application<br>of Lagrangian formulation –Simple Pendulum, Particle in space,<br>Linear Harmonic Oscillator, Atwood's Machine   | Lecture            | 11            | 22 June to 14<br>July 2017    |         |
| 2.                      | <b>Origin of Quantum Theory:</b><br>Introduction, Failure of Classical mechanics, Black body<br>Radiation (Distribution of Energy), Plank's Quantum theory-<br>Plank's Quantum postulates, linear momentum of photon in terms<br>of wave vector, Plank's radiation law-Wein's law and Rayleigh's<br>law, Einstein's equation: Quantum theory of photoelectric effect,<br>Quantum effect. | Lecture            | 12            | 15 July to 11<br>Aug. 2017    |         |

*H.S. Patange*

Signature of Faculty Member

*[Signature]*  
Principal  
Principal

Shrikrishna Mahavidyalaya Gunjoti  
Tq. Omarga Dist. ...



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

SKMG / 1000 / 2014-15

Department of Physics

Paper No.: Phy-601, Paper –XIX (VI Sem.)

Class: B.A. / B.Sc.III / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. S.M.Patange

Paper Name: Atomic, Molecular Physics and Laser.

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Dura on of Date<br>/ Month/ Year | Remarks |
|-------------------------|---|-----------------------|------------------|----------------------------------|---------|
| 1.                      | <b>Atomic Model:</b><br>Introduction, Thomson atom model, the Rutherford nuclear atom model, drawbacks of Rutherford atomic model, the Bohr's atom model, Bohr's theory of origin of spectral lines, diagrammatic representation of the series spectrum of the H-atom in the light of Bohr's theory.                      | Lecture               | 10               | 2 to 23 Dec. 2017                |         |
| 2.                      | <b>Vector Atom Model:</b><br>Introduction-vector atom model, Quantum numbers associated with the vector atom model, L-S coupling, j-j coupling, The Pauli's exclusion principle, Selection rules, Intensity Rules, Interval Rule, Normal Zeeman effect, Anomalous Zeeman effect, Stark effect and its experimental study. | Lecture               | 10               | 28 Dec to 18 Jan<br>2018         |         |

Signature of Faculty Member

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. O.



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

SKMG / 1000 / 2014-15

Department of Physics

Paper No.: Phy-601, Paper –XIX (VI Sem.)

Class: B.A. / B.Sc.III / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. S.M.Patange

Paper Name: Atomic, Molecular Physics and Laser.

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. Of<br>Period | Dura on of Date<br>/ Month/ Year | Remarks |
|-------------------------|--|-----------------------|------------------|----------------------------------|---------|
| 3.                      | <b>Molecular spectra:</b><br>Introduction, origin of pure rotational spectrum of a molecule, origin of vibration-rotation spectrum of a molecule, Rayleigh's law of scattering, Raman effect-Discovery, experimental study, Applications of Raman effect molecular structure, Nature of liquids, Crystal Physics, Nuclear Physics, Chemical effects. | Lecture               | 15               | 19 Jan to 23 Feb.<br>2018        |         |
| 4.                      | <b>LASER:</b><br>Introduction, induced absorption, spontaneous emission, stimulated emission, population inversion, properties of laser beam, laser pumping, Types of laser-Ruby laser, He-Ne laser, carbon dioxide (CO <sub>2</sub> ) laser, Applications of laser-Biological, medical and industrial.  | Lecture               | 10               | 1 to 23 March<br>2018            |         |

  
Signature of Faculty Member

  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Gadchiroli

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Academic Calendar for 180 Days

Faculty of Arts / Science / Management-Science

Academic Year: (2017-18)

(Department of Physics)

Name of Faculty Member: Dr. R. H. Kadam

| Term               | Month     | Working days | Theory Periods | Practical Periods | Total Periods |
|--------------------|-----------|--------------|----------------|-------------------|---------------|
| First Term         | June      | 09           | 14             | 15                | 29            |
|                    | July      | 26           | 39             | 54                | 93            |
|                    | August    | 21           | 32             | 42                | 74            |
|                    | September | 23           | 34             | 45                | 79            |
|                    | October   | 11           | 17             | 21                | 38            |
| <b>Total 1</b>     |           | <b>90</b>    | <b>136</b>     | <b>177</b>        | <b>313</b>    |
| Second Term        | December  | 24           | 37             | 48                | 85            |
|                    | January   | 26           | 37             | 51                | 88            |
|                    | February  | 21           | 32             | 39                | 71            |
|                    | March     | 19           | 31             | 39                | 70            |
|                    | April     | ---          | ---            | ---               | ---           |
| <b>Total 2</b>     |           | <b>90</b>    | <b>137</b>     | <b>177</b>        | <b>314</b>    |
| <b>Total 1 + 2</b> |           | <b>180</b>   | <b>273</b>     | <b>354</b>        | <b>627</b>    |

Total Working Days = 180

Total Theory Periods = 273

Total Practical Periods = 354



Signature of Faculty Member





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Department of Physics


Paper No.: Phy-102, Paper –II (I Sem.)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. R. H. Kadam

Paper Name: Heat and Thermodynamics

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Duration of Date<br>/ Month/ Year | Remarks |
|-------------------------|---|-----------------------|------------------|-----------------------------------|---------|
| 1.                      | <b>Thermal Conductivity:</b> Transference of heat, Coefficient of thermal conductivity, Rectilinear flow of heat along a metal bar, Methods of radial flow of heat-(i)spherical shell method and (ii)Flow of heat along the wall of a cylindrical tube, comparison of conductivities of different metals.   | Lecture               | 10               | 22.06.2017<br>To<br>13.07.2017    |         |
| 2.                      | <b>Real Gas and Transport Phenomena: Real Gas:</b> Introduction, Reason for modification of gas equation, Van der Waals equation of state , comparison with experimental curves, critical constants, constants of Van der Waals equation.<br><b>Transport Phenomena:</b> Introduction, Mean free path, sphere of influence, and expression for mean free path, variation of mean free path with temperature and pressure, transport phenomena, viscosity, Thermal conductivity (their interrelationship, dependence on temperature and pressure). | Lecture               | 12               | 14.07.2017<br>To<br>10.08.2017    |         |
| 3.                      | <b>Thermodynamics:</b> Adiabatic process, Adiabatic equation of a perfect gas, Isothermal process, Indicator diagram, work done during isothermal process and adiabatic process, reversible and irreversible process, Second law of thermodynamics. (Kelvin and Clausius statement), Heat engines, Carnot's ideal heat engine, Carnot's cycle (work done and Efficiency).   | Lecture               | 12               | 11.08.2017<br>To<br>14.09.2017    |         |
| 4.                      | <b>Entropy and Thermodynamic Relations:</b> General notation of entropy, change of entropy is independent of path, change of entropy in reversible and irreversible process, Formulation of second law in terms of entropy, Maxwell's thermodynamical relations, Applications of Maxwell's relations –i) Clausius – Clapeyron equation , ii) T-ds equations.  | Lecture               | 11               | 15.09.2017<br>To<br>13.10.2017    |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Department of Physics

Paper No.: Phy-105, Paper –V (II Sem.)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. R. H. Kadam

Paper Name: Electricity and Magnetism

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. Of<br>Period | Duration of Date<br>/ Month/ Year | Remarks |
|-------------------------|--|-----------------------|------------------|-----------------------------------|---------|
| 1.                      | <b>Vector Algebra:</b> Dot and cross product (Revision), scalar triple product and it's geometrical interpretation, vector triple product, gradient of a scalar and it's physical interpretation, Divergence and curl of vector function and their physical interpretation, line, surface and volume integrals, Gauss's divergence theorem and Stoke's theorem               | Lecture               | 12               | 02.12.2017<br>To<br>29.12.2017    |         |
| 2.                      | <b>Electrostatics:</b> Coulomb's Law , Electric field , field due to point charge, flux of electric field, Gauss's law ( with proof ) , Differential form of Gauss law , electric potential , potential due to a point charge, Potential and field due to electric dipole. Dielectrics, polarization of dielectric, Gauss's law in dielectrics, Relation between D, E and P. | Lecture               | 13               | 30.12.2017<br>To<br>01.02.2018    |         |
| 3.                      | <b>Magnetostatics:</b> Magnetic field , Magnetic induction , magnetic flux , Biot-Savart law, Magnetic induction due to straight conductor carrying current , magnetic induction on the axis of solenoid ,Ampere's Law, Differential form Ampere's Law, Moving coil ballistic Galvanometer - expression for charge.  | Lecture               | 12               | 02.02.2018<br>To<br>02.03.2018    |         |
| 4.                      | <b>Transient Currents:</b> Growth and decay of current in a circuit containing L and R , charge and discharge of a capacitor through resistor, Growth and decay of charge in LCR circuit.  | Lecture               | 08               | 03.03.2018<br>To<br>22.03.2018    |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Department of Physics

Paper No.: Phy-103 –III (I Sem.)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. R. H. Kadam

Paper Name: Practical

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Duration of Date<br>/ Month/ Year | Remarks |
|-------------------------|---|-----------------------|------------------|-----------------------------------|---------|
| 1.                      | Determination of acceleration due to gravity by Kater's pendulum. | Demonstration         | 06               | 23.06.2017 to<br>07.07.2017       |         |
| 2.                      | Y by bending of a beam loaded at the centre.                      | Demonstration         | 06               | 08.07.2017 to<br>22.07.2017       |         |
| 3.                      | Determination of Y by cantilever (oscillation method).            | Demonstration         | 06               | 28.07.2017 to<br>11.08.2017       |         |
| 4.                      | M. I. by bifilar suspension.                                      | Demonstration         | 06               | 12.08.2017 to<br>01.09.2017       |         |
| 5.                      | S. T. by Jaeger's method.   | Demonstration         | 06               | 08.09.2017 to<br>22.09.2017       |         |
| 6.                      | Determination of coefficient of viscosity by Poiseuille's method. | Demonstration         | 06               | 23.09.2017 to<br>14.10.2017       |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Department of Physics


Paper No.: Phy-106, Paper –VI (II Sem.)


Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. R. H. Kadam

Paper Name: Practical

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. Of<br>Period | Duration of Date<br>/ Month/ Year | Remarks |
|-------------------------|--|-----------------------|------------------|-----------------------------------|---------|
| 1.                      | Y by Searl's Apparatus.                                    | Demonstration         | 06               | 02.12.2017 to<br>16.12.2017       |         |
| 2.                      | M.I. by Flywheel   | Demonstration         | 06               | 22.12.2017 to<br>05.01.2018       |         |
| 3.                      | Thermal conductivity of bad conductor by Lee's disc method | Demonstration         | 06               | 06.01.2018 to<br>20.01.2018       |         |
| 4.                      | Study of CRO   | Demonstration         | 06               | 27.01.2018 to<br>10.02.2018       |         |
| 5.                      | Field along the axis of circular coil                      | Demonstration         | 06               | 16.02.2018 to<br>03.03.2018       |         |
| 6.                      | Calibration of spectrometer                                | Demonstration         | 06               | 09.03.2018 to<br>23.03.2018       |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Department of Physics

Paper No.: Phy-202, Paper –VIII (III Sem.)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. R. H. Kadam

Paper Name: Modern Physics and Nuclear Physics

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. Of<br>Period | Duration of Date<br>/ Month/ Year | Remarks |
|-------------------------|--|-----------------------|------------------|-----------------------------------|---------|
| 1.                      | <b>Photoelectric Effect:</b> Introduction, Lenard's method to determine $e/m$ for photoelectron, Richardson and Compton experiment (i) Relation between photoelectric current and retarding potential (ii) Relation between velocity of photoelectrons and the frequency of light, photoelectric cells (i) photoemissive cell (ii) photovoltaic cell (iii) Photo – conductive cell, applications of photoelectric cells. | Lecture               | 12               | 22.06.2017<br>To<br>15.07.2017    |         |
| 2.                      | <b>X-rays :</b> Introduction, The absorption of X – rays, diffraction of x – ray , Laue's experiment, Bragg's law, Bragg X-ray spectrometer, X –ray spectra, Main feature of continuous X-ray spectrum, Characteristic X –ray spectrum.  | Lecture               | 10               | 20.07.2017<br>To<br>10.08.2017    |         |
| 3.                      | <b>Nuclear forces and models:</b> Introduction, Binding Energy, Nuclear stability, Nuclear forces, Meson theory of nuclear forces, liquid drop model, shell model, energy released in fission, chain reaction, atom bomb, nuclear reactors, nuclear fusion, source of stellar energy.  | Lecture               | 12               | 11.08.2017<br>To<br>14.09.2017    |         |
| 4.                      | <b>Particle Accelerators:</b> Linear acceleration, cyclotron, synchrocyclotron, betatron, Ionisation chamber, proportional counter, Geiger – Muller counter.   | Lecture               | 11               | 15.09.2017<br>To<br>13.10.2017    |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Department of Physics

Paper No.: Phy-206, Paper –XII (IV Sem.)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. R. H. Kadam

Paper Name: Solid State Physics

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year | Remarks |
|-------------------------|---|--------------------|---------------|--------------------------------|---------|
| 1.                      | <b>Crystal Structure:</b> Introduction, crystal lattice, space lattice, translation vectors, unit cell (primitive, non primitive, Wigner – Sietz primitive cell), basis, symmetry operations, point groups and space groups, type of lattices (two dimensional and three dimensional)   | Lecture            | 12            | 02.12.2017<br>To<br>29.12.2017 |         |
| 2.                      | <b>Bonding and Band theory of solids:</b> Introduction, concept of inter-atomic forces, cohesive energy and types of bonding, primary bonds –(ionic bonds, covalent bonds and metallic bonds) secondary bonds, (vanderwalls bond, hydrogen bond) The Kroning – Penney model, Energy versus wave vector relationship, different representations. | Lecture            | 12            | 30.12.2017<br>To<br>27.01.2018 |         |
| 3.                      | <b>Thermal Properties of solids:</b> Classical theory of lattice heat capacity (Concept and comparison with external values), Einstein's theory of lattice heat capacity, Debye's Model of lattice heat capacity, density of modes, limitations of Debye's model.   | Lecture            | 10            | 01.02.2018<br>To<br>22.02.2018 |         |
| 4.                      | <b>Free electron theory of metals and Transport properties:</b> Drude –Lorentz classical theory, electrical conductivity, thermal conductivity, Wiedemann Fenz law, significance of Fermi energy level, Hall effect, Hall voltage and Hall coefficient, experimental determination of Hall coefficient, Importance of Hall effect.              | Lecture            | 11            | 23.02.2018<br>To<br>22.03.2018 |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Department of Physics

Paper No.: Phy-302, Paper –XVI (V Sem.)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. R. H. Kadam

Paper Name: Electrodynamics

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Duration of Date<br>/ Month/ Year | Remarks |
|-------------------------|---|-----------------------|------------------|-----------------------------------|---------|
| 1.                      | <b>Electrostatics:</b> Introduction, Electric Field Lines, electric flux and Gauss law, the divergence of E, Curl of E, Applications of Gauss law, i) Electric field due to a uniformed charged sphere, ii) Electric field due to charged cylinder, Gaussian Pillbox, Poisson's equation, Laplace Equation, Uniqueness theorem (First and Second) | Lecture               | 12               | 20.06.2017<br>To<br>18.07.2017    |         |
| 2.                      | <b>Time Varying Field:</b> Faraday's Law of electromagnetic induction, Lenz's law, Self-induction, Mutual induction, equation of continuity, Maxwell's displacement current, Maxwell's equation (Derivation, Differential form)   | Lecture               | 10               | 19.07.2017<br>To<br>22.08.2017    |         |
| 3.                      | <b>Electromagnetic waves:</b> Origin of electromagnetic waves, characteristics of electromagnetic wave, electromagnetic wave equations in a conducting medium, transverse nature of electromagnetic wave, plane polarized electromagnetic wave, The Poynting Vector, Poynting Theorem, Polarization of Electromagnetic Waves.                     | Lecture               | 15               | 28.08.2017<br>To<br>25.09.2017    |         |
| 4.                      | <b>Interaction of electromagnetic waves with matter:</b> Boundary condition for the electromagnetic field vector, <b>B, E, D, and H</b> at the interface between the two media, reflection and refraction at the boundary of two non – conducting media.  | Lecture               | 08               | 26.09.2017<br>To<br>11.10.2017    |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Department of Physics

Paper No.: Phy-306, Paper –XX (VI Sem.)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. R. H. Kadam

Paper Name: Non-Conventional energy sources and Optical Fibre

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Duration of Date<br>/ Month/ Year | Remarks |
|-------------------------|---|-----------------------|------------------|-----------------------------------|---------|
| 1.                      | <b>Non Conventional energy sources:</b> Introduction, Biomass, wind energy, tidal energy / Ocean energy, geothermal energy, biogas hydro energy, wind energy, solar energy, Bio-Gas plant –fixed dome type.<br><b>Wind energy:</b> Introduction to wind energy, terms and definition: wind, wind farm, wind turbine, vertical axis wind turbine (VAWT), horizontal axis wind turbine (HAWT), propeller (Wheel), wind mill, types of wind turbine generator units, monoblade HAWT, twin blade HAWT, merits and limitations of wind energy. | Lecture               | 12               | 04.12.2017<br>To<br>01.01.2018    |         |
| 2.                      | <b>Solar photovoltaic system:</b> Introduction to Photovoltaic system, Solar cell fundamentals: i) Semiconductor, ii) P-N junction, iii) Generation of electron – hole pair by photon absorption, iv) I-V characteristics of solar cell<br><b>Electrical storage:</b> Lead acid battery, basic battery theory   | Lecture               | 10               | 02.01.2018<br>To<br>23.01.2018    |         |
| 3.                      | <b>Introduction of optical fibre:</b> Introduction, importance of optical fibre, classification of optical fibre –stepped index fibre, stepped index monomode fibre, Disadvantages of monomode fibre, plastic fibre, latest developed types of optical fibres-HPSUV, HPSIR, Halide, Tapered.  | Lecture               | 10               | 24.01.2018<br>To<br>20.02.2018    |         |
| 4.                      | <b>Fibre cables and Fabrication: Fibre Fabrication:</b> Classification of fibre fabrication techniques, external chemical vapour deposition (external CVD), axial vapour deposition (AVD), internal chemical vapour deposition (ICVD).<br><b>Fibre Cables:</b> Construction, strength members, cable tensile loading, minimum bend radius losses incurred during installation of cables or during subscriber service testing of cable, selection criteria, optical cable fibre laying in telephone.                                       | Lecture               | 13               | 21.02.2018<br>To<br>21.03.2018    |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-178

Department of Physics

Paper No.: Phy-303 & 304, Paper –XVII & XVIII (V Sem.)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. R. H. Kadam

Paper Name: Practical

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. Of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-------------------------|--|-----------------------|------------------|-----------------------------------|---------|
| 1.                      | Thermal Conductivity by Forb's Method                  | Demonstration         | 09               | 20.06.2017 to 03.07.2017          |         |
| 2.                      | Rydberg's Constant                                     | Demonstration         | 09               | 04.07.2017 to 11.07.2017          |         |
| 3.                      | B-H curve using magnetometer                           | Demonstration         | 09               | 17.07.2017 to 18.07.2017          |         |
| 4.                      | Determination of dielectric constant of liquid / solid | Demonstration         | 09               | 24.07.2017 to 31.07.2017          |         |
| 5.                      | I-H curve by excel                                     | Demonstration         | 09               | 01.08.2017 to 08.08.2017          |         |
| 6.                      | Rydberg's constant by Excel                            | Demonstration         | 09               | 21.08.2017 to 22.08.2017          |         |
| 7.                      | Temperature coefficient of resistance of semiconductor | Demonstration         | 09               | 28.08.2017 to 29.08.2017          |         |
| 8.                      | Hartmann's dispersion formula                          | Demonstration         | 09               | 04.08.2017 to 05.08.2017          |         |
| 9.                      | Maxwell's Bridge                                       | Demonstration         | 09               | 11.08.2017 to 12.08.2017          |         |
| 10.                     | Wavelength by grating                                  | Demonstration         | 09               | 18.08.2017 to 19.08.2017          |         |
| 11.                     | Zener Diode  | Demonstration         | 09               | 25.08.2017 to 26.08.2017          |         |
| 12.                     | Bridge Rectifier                                       | Demonstration         | 09               | 03.09.2017 to 10.09.2017          |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Department of Physics

Paper No.: Phy-307 & 308, Paper –XXI & XXII (VI Sem.)

Class: B.A. / B.Sc. / M.A. / M.Sc. / Management Science

Name of Faculty Member: Dr. R. H. Kadam

Paper Name: Practical

| Chapter No.<br>Unit No. | Title / Subject                      | Method of<br>Teaching | No. Of<br>Period | Duration of Date /<br>Month/ Year | Remarks |
|-------------------------|--------------------------------------|-----------------------|------------------|-----------------------------------|---------|
| 1.                      | Focal Length by LASER                | Demonstration         | 09               | 4.12.2017 to 11.12.2017           |         |
| 2.                      | Spectral Response of LDR             | Demonstration         | 09               | 12.12.2017 to 19.12.2017          |         |
| 3.                      | Diffraction grating using laser beam | Demonstration         | 09               | 26.12.2017 to 02.01.2018          |         |
| 4.                      | 'e' by Millikan's oil drop method    | Demonstration         | 09               | 08.01.2018 to 09.01.2018          |         |
| 5.                      | R. I. Of optical fibre               | Demonstration         | 09               | 15.01.2018 to 16.01.2018          |         |
| 6.                      | Constant of B.G.                     | Demonstration         | 09               | 22.01.2018 to 23.01.2018          |         |
| 7.                      | Divergence of diode laser            | Demonstration         | 09               | 29.01.2018 to 30.01.2018          |         |
| 8.                      | Diameter of thin wire by using LASER | Demonstration         | 09               | 05.02.2018 to 12.02.2018          |         |
| 9.                      | Wavelength of He-Ne laser            | Demonstration         | 09               | 20.02.2018 to 27.02.2018          |         |
| 10.                     | Y by Koenig's method                 | Demonstration         | 09               | 05.03.2018 to 06.03.2018          |         |
| 11.                     | Edser 'A' pattern                    | Demonstration         | 09               | 12.03.2018 to 13.03.2018          |         |
| 12.                     | e/m by Thomson method (Excell)       | Demonstration         | 09               | 19.03.2018 to 20.03.2018          |         |

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Tq. Omurga Dist. Osmanabad

# SHRIKIRSHNA MAHAVIDYALAYA, GUNJOTI

Teaching days Calendar for 180 days

Department : Zoology

Academic year 2017-2018

Name of the Faculty Member : **Dr.D.M.Pathan**

| Term                | Month             | Working Days | Theory Periods |           | Practical Periods |            | Total Periods |
|---------------------|-------------------|--------------|----------------|-----------|-------------------|------------|---------------|
|                     |                   |              | I              | III       | I                 | III        |               |
| <b>First Term</b>   | June              | 09           | 05             | 04        | --                | ---        | 09            |
|                     | July              | 26           | 13             | 13        | 12                | 39         | 77            |
|                     | August            | 21           | 10             | 11        | 09                | 36         | 66            |
|                     | September         | 23           | 12             | 11        | 12                | 33         | 68            |
|                     | October           | 11           | 05             | 06        | 06                | 18         | 35            |
|                     | <b>Total I</b>    | <b>90</b>    | <b>45</b>      | <b>45</b> | <b>39</b>         | <b>126</b> | <b>255</b>    |
| <b>Second Terms</b> | November          | --           | --             | --        | --                | --         | --            |
|                     | December          | 24           | 11             | 13        | 12                | 39         | 75            |
|                     | January           | 26           | 15             | 11        | 15                | 39         | 80            |
|                     | February          | 21           | 10             | 11        | 12                | 30         | 63            |
|                     | March             | 19           | 09             | 10        | 09                | 33         | 61            |
|                     | <b>Total II</b>   | <b>90</b>    | <b>45</b>      | <b>45</b> | <b>48</b>         | <b>141</b> | <b>279</b>    |
|                     | <b>Total I+II</b> | <b>180</b>   | <b>90</b>      | <b>90</b> | <b>87</b>         | <b>267</b> | <b>534</b>    |

Total Teaching days 180  
 Total Theory Periods 180  
 Total Practical Periods 354

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching – Plan Academic Year (2017-18)

SKMG / 1000 / 2017-18

Department of Zoology

Paper No.: II (Semester I)

Class: B.Sc. I

Name of Faculty: Dr. D.M.Pathan

Paper Name: Cell Biology

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year | Remarks |
|-------------------------|---|--------------------|---------------|--------------------------------|---------|
| 1.                      | General structure of cell.<br>Ultra structure of eukaryotic cell, prokaryotic cell,<br>Cell Cycle, Mitosis, Meiosis   | Lecture            | 12            | 20 June 18 July<br>2017        |         |
| 2.                      | Organization of cell A) Study of Various cell organelles<br>Plasma Membrane: - Structure and function.<br>Endoplasmic reticulum: - Structure and function.<br>Golgi Bodies: - Structure and function<br>Mitochondria: - Morphology, Ultra-Structure, function and biogenesis.<br>Nucleus: - Structure and function.<br>DNA Structure.<br>Types of RNA<br>Lysosome: - Structure, function and polymorphism<br>Ribosome: - Structure and function<br>B) Cytology of Cancer, Types of Cancer | Lecture            | 20            | 19 July to 12 Sept<br>2017     |         |
| 3.                      | Methods in Cell Biology (in brief)<br>A) Light Microscope<br>Phase contrast microscope<br>Electron microscope<br>B) Micro techniques, (Microtomy) Fixation & Staining   | Lecture            | 13            | 13 Sept to 11 Oct.<br>2017     |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching -Plan Academic Year (2017-18)

SKMG / 1000 / 2017-2018

Department of **Zoology**

Paper No.: **IV** (Semester II)

Class: **B.Sc. I**

Name of Faculty: **Dr. D.M.Pathan**

Paper Name: **Arthropoda to Echinodermata And Protochordata**

| Chapter No. Unit No. | Title / Subject  | Method of Teaching | No. Of Period | Duration of Date / Month/ Year                | Remarks |
|----------------------|--|--------------------|---------------|---|---------|
| 1.                   | Arthropoda: - General characters<br>Prawn: - Structure, Digestive, Nervous, & Reproductive systems.<br>Cockroach: External Characters, Digestive, Respiratory and Reproductive systems   | Lecture            | 15            | 04 Dec to 27 Dec 2017 & 01 Jan to 08 Jan 2018 |         |
| 2.                   | Mollusca: - General characters<br>Pila: - External Characters, Respiratory, Circulatory, Nervous and Reproductive systems  | Lecture            | 06            | 13 Jan to 22 Jan 2018                         |         |
| 3                    | Echinodermata : - General characters<br>Asterias (Sea Star): - Morphology of oral & aboral view, Water vascular system, Reproductive system including development  | Lecture            | 10            | 23 Jan to 13 Feb 2018                         |         |
| 4.                   | General characters and Classification of Protochordata<br>Amphioxus: - External features, Digestive, Circulatory, Reproductive systems including development.<br>Hemichordata: - General characters and affinities<br>Herdmania: - General characters and morphology | Lecture            | 14            | 14 Feb to 14 Mar 2018                         |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-2018

Class: B.Sc. I

Department of Zoology

Name of Faculty Member: Dr. D.M.Pathan

Paper No.: III (Semester I)

Paper Name: PROTOZOA TO ANNELIDA & CELL BIOLOGY (PRACTICAL)

| Chapter No. Unit No. | Title / Subject  | Method of Teaching | No. Of Days | Duration of Date / Month/ Year    | Remarks |
|----------------------|--|--------------------|-------------|-----------------------------------|---------|
| 1.                   | Study of slides from Ciliates, Opalinates, and Flagellates   | Demonstration      | 01          | 05 Jul 2017                       |         |
| 2.                   | Study of museum specimen and slides from Porifera to Annelida.   | Demonstration      | 02          | 12,19 Jul 2017                    |         |
| 3.                   | Dissection:<br>Dissection of Leech for Digestive, Excretory & Reproductive systems. Dissection of Earthworm for Nervous System & Reproductive system               | Demonstration      | 05          | 26 Jul, 02,09,16 Aug, 06 Sep 2017 |         |
| 4.                   | Mounting of any five of the following.<br>Sponge spicules, Gemmule, Obelia colony, Jaws of Leech. Spermatica, testes nerve ring of Earthworm, Parapodia of Nereis. | Demonstration      | 01          | 13 Sept 2017                      |         |
| 5.                   | Study of cell organelles by using Models, Charts, Slides & Electron micrographs.   | Demonstration      | 01          | 20 Sep 2017                       |         |

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Shrikrishna Mahavidyalaya, Gunjoti  
Tq.Omerga Dist.Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching -Plan Academic Year (2017-18)

SKMG / 1000 / 2017-2018

Department of Zoology

Paper No.: III (Semester I)

Class: B.Sc. I

Name of Faculty Member: Dr. D.M.Pathan

Paper Name: PROTOZOA TO ANNELIDA & CELL BIOLOGY (PRACTICAL)

| Chapter No. Unit No. | Title / Subject   | Method of Teaching | No. Of Days | Duration of Date / Month/ Year | Remarks |
|----------------------|---|--------------------|-------------|--------------------------------|---------|
| 6.                   | Squash preparation of Onion root tip to study Mitosis.  | Demonstration      | 01          | 27 Sept.2017                   |         |
| 7.                   | Preparation of polytene chromosome in chironomous larva/fruit flies.                              | Demonstration      | 01          | 03 Oct 2017                    |         |
| 8.                   | Microtechnique: - Fixation, dehydration, Block preparation, Microtomy and Staining of Rat tissue. | Demonstration      | 02          | 10 Oct 2017<br>06 Dec 2017     |         |
| 9.                   | Study of Microscopy: - Simple, Compound, & Phase Contrast Microscope                              | Demonstration      | 01          | 13 Dec 2017                    |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-2018

Department of Zoology

Class: B.Sc.I

Name of Faculty Member: Dr. D.M.Pathan

Paper No.: VI (Semester II) Paper Name: ARTHROPODA TO ECHINODERMATA AND PROTOCHORDATA & CELL BIOLOGY (PRACTICAL)

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. Of Days | Duration of Date / Month/ Year      | Remarks |
|-------------------------|---|--------------------|-------------|-------------------------------------|---------|
| 1.                      | Study of museum specimen & slides of relevant Invertebrates & Protochordata. (At least 3 from each phylum).   | Demonstration      | 03          | 20,27 Dec 2017<br>03 Jan 2018       |         |
| 2.                      | Dissections:<br>Dissection of Prawn for Nervous system<br>Dissection of Cockroach for Digestive and Nervous Systems.<br>Dissection of Pila for Nervous system.<br>Dissection of Sea Star for Water Vascular System. | Demonstration      | 05          | 10,17,24,31 Jan 2018<br>01 Feb 2018 |         |
| 3.                      | Mounting of any five of the following.<br>Mouthparts of Cockroach, Mosquito, House fly, Bed bug and Honeybee.<br>Salivary glands of cockroach.<br>Redula of Pila, Pedicillaria of Star fish.                        | Demonstration      | 01          | 08 Feb 2018                         |         |
| 4.                      | Culture of Drosophila- experimental organism in genetics Observation of common mutants of drosophila  | Demonstration      | 01          | 15 Feb 2018                         |         |
| 5.                      | Determination of human blood groups A, B, AB, and O, Rh factor.   | Demonstration      | 01          | 22 Feb 2018                         |         |
| 6.                      | Major and minor problems in genetics  | Demonstration      | 04          | 28 Feb 7,14,21<br>March 2018        |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-2018

Department of Zoology

Paper No.: XVI (Semester V)

Class: B.Sc.III

Name of Faculty Member: Dr. D.M.Pathan

Paper Name: Fishery Science I

| Chapter No. Unit No. | Title / Subject  | Method of Teaching | No. Of Period | Duration of Date / Month/ Year | Remarks |
|----------------------|--|--------------------|---------------|--------------------------------|---------|
| 1.                   | <b>Introduction</b><br>Definition and history, General characters and classification<br>Concept of blue revolution, Importance of fishes.  | Lecture            | 05            | 22 to 30 June<br>2017          |         |
| 2.                   | <b>Freshwater fisheries</b><br>Status of freshwater fisheries, past, present and future<br>Freshwater capture fisheries, cat fishes, rout.<br>Effect of aquatic pollution on fisheries   | Lecture            | 10            | 6 July to 27 July<br>2017      |         |
| 3.                   | <b>Revering and reservoir fisheries.</b><br>Major river systems of India<br>Important fisheries of Indian rivers system<br>Major reservoirs of Maharashtra<br>Reservoir fisheries and its management.<br>Exploitation of reservoir fisheries | Lecture            | 10            | 28 July to 19<br>Aug 2017      |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-2018

Department of Zoology

Paper No.: XVI (Semester V)


Class: B.Sc.III

Name of Faculty Member: Dr. D.M.Pathan

Paper Name: Fishery Science I

| Chapter No. Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year | Remarks |
|----------------------|---|--------------------|---------------|--------------------------------|---------|
| 4.                   | <b>Brackish water fisheries</b><br>Principle fisheries of brackish water, milkfish, mullet, tilapia.<br>Fisheries of the chilka, pulicat and Kolleru Lake | Lecture            | 08            | 24Aug to14 Sept 2017           |         |
| 5.                   | <b>Marine water fisheries.</b><br>Oil-sardine<br>Mackeal<br>Ribbon fish fisheries.<br>Bombay-duck<br>Pomfret-fishery                                      | Lecture            | 08            | 15 Sept to 6Oct 2017           |         |
| 6.                   | Application of remote sensing technique in pelagic fisheries  | Lecture            | 04            | 7 Oct. To 14Oct. 2017          |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-2018

Department of Zoology

Paper No.: XX (Semester VI)

Class: B.Sc.III

Name of Faculty Member: Dr. D.M.Pathan

Paper Name: Fishery Science II

| Chapter No. Unit No. | Title / Subject  | Method of Teaching | No. Of Period | Duration of Date / Month/ Year | Remarks |
|----------------------|--|--------------------|---------------|--------------------------------|---------|
| 1.                   | <b>Introduction</b><br>a) Types of freshwater ponds-perennial and seasonal.<br>b) Different types of ponds-nursery, rearing and stoking ponds.<br>c) Design, construction and maintenance of nursery, rearing and stocking ponds.<br>d) Productivity of ponds e) principles of fish collection<br>f) Fish culture methods<br>g) Culture – cat fisheries<br>h) Sewage fed fisheries | Lecture            | 15            | 2 Dec to 5 Jan<br>2018         |         |
| 2.                   | <b>Fish crop production (fish diseases)</b><br>Protozoan, fungal, bacterial, viral worms diseases  | Lecture            | 06            | 6 Jan to 19 Jan<br>2018        |         |
| 3.                   | <b>Breeding of fishes</b><br>a) Natural spawning of carps<br>c) Artificial breeding by hypophysation<br>d) Common carp breeding  | Lecture            | 08            | 20 Jan to 9Feb<br>2018         |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-2018

Class: B.Sc.III

Department of Zoology


Name of Faculty Member: Dr. D.M.Pathan

Paper No.: XX (Semester VI)

Paper Name: Fishery Science II

| Chapter No. Unit No. | Title / Subject  | Method of Teaching | No. Of Period | Duration of Date / Month/ Year | Remarks |
|----------------------|--|--------------------|---------------|--------------------------------|---------|
| 4.                   | <b>Fish preservation and processing</b><br>a) Fish processing methods<br>b) Fish –spoilage<br>c) Value added products<br>d) Sanitation and HACCP | Lecture            | 08            | 10Feb to 1 March 2018          |         |
| 5.                   | <b>Crafts and gears</b><br>a) Different types of gears<br>b) Different types of crafts<br>c) Preservation of gears                               | Lecture            | 08            | 2 March to 17 March 2018       |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching -Plan Academic Year (2017-18)

SKMG / 1000 / 2017-2018

Class: B.Sc.III

Department of Zoology

Name of Faculty Member: Dr. D.M.Pathan

Paper No.: XVIII (Semester V)

Paper Name: Fishery Science I(Practical)

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Days | Duration of Date /<br>Month/ Year       | Remarks |
|-------------------------|---|-----------------------|----------------|---|---------|
| 1.                      | Study of freshwater fishes.<br>Major carps<br>Other carps.<br>Cat fishes<br>Clupoides   | Demonstration         | 03             | I to III week of<br>July 2017           |         |
| 2.                      | Study of brackish water fishes.<br><i>Hilsa hilsa</i> , <i>Chanos chanos</i> (milkfish), <i>Latis calcarifer</i> , <i>Tilapia</i>                 | Demonstration         | 02             | IV Week of July &<br>I week of Aug 2017 |         |
| 3.                      | Study of marine ware fishes.<br>Oil sardine<br>Mackerel<br>Ribbon -fish<br>Bombay-duck<br>Pomfret<br>Sole<br>Polynemus                            | Demonstration         | 03             | II to IV Week of<br>Aug .2017           |         |
| 4.                      | Water analysis  | Demonstration         | 05             | Sept. 2017                              |         |
| 5.                      | Visit to local or any reservoir and marine fish landing centre and student should be submit a project report at the time of practical examination |                       | 02             | II , II week of Oct.<br>2017            |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-18)

SKMG / 1000 / 2017-2018

Class: B.Sc.III

Department of Zoology


Name of Faculty Member: Dr. D.M.Pathan

Paper No.: XXII (Semester VI)

Paper Name: Fishery Science I(Practical)

| Chapter No. Unit No. | Title / Subject   | Method of Teaching | No. Of Days | Duration of Date / Month/ Year           | Remarks |
|----------------------|---|--------------------|-------------|--|---------|
| 1.                   | Primary productivity of ponds (plankton studies).   | Demonstration      | 02          | I, II Week of Dec. 2017                  |         |
| 2.                   | Identification, classification and culturable significance of following.<br>Catla, Rohu, Mrigal, Catfishes, Exotic Fishes | Demonstration      | 03          | III,IV Dec. 2017<br>& I Week of Jan 2018 |         |
| 3.                   | Collection and identification of fish parasites and worms.  | Demonstration      | 04          | II to V Week of Jan 2018                 |         |
| 4.                   | Removal of fish pituitary gland and preparation of pituitary extract  | Demonstration      | 02          | I ,II Week of Feb 2018                   |         |
| 5.                   | Identification of crafts and gears.<br>Gill net, Rampanni, Satpati, Machwa, Catamaran                                     | Demonstration      | 02          | III & IV Week of Feb 2018                |         |
| 6.                   | A visit to fish farm and fish processing centre is compulsory   |                    | 02          | I ,II Week of March.2018                 |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching Plan Academic Year (2017-18)

Class: B.Sc. I

Department of Zoology

Paper No.: I (Semester I)

Name of Faculty: Dr. Ugale B.J.

Paper Name: Protozoa to Annelida

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year           | Remarks |
|-------------------------|---|--------------------|---------------|--|---------|
| 1.                      | <b>Introduction to animal kingdom</b><br>Definition of Zoology, Outline classification<br>Protozoa, Parazoa, Metazoa and Major Phyla.   | Lecture            | 03            | July 06, 2017 to<br>July 08, 2017        |         |
| 2.                      | <b>Protozoa: - General characters</b><br><i>Plasmodium vivax</i> : - Structure of sporozoite, Life cycle;<br>Pathogenecity, Control, Prevention and Treatment of<br>Malaria.<br><i>Endameba histolytica</i> : - Structure, Life cycle and Control.<br><i>Euglena</i> : - Morphology and Reproduction.<br><i>Paramecium</i> :- Morphology and Reproduction | Lecture            | 09            | July 13, 2017 to<br>July 29, 2017        |         |
| 3.                      | <b>Porifera: - General characters</b><br>Sycon (Scypha): - Morphology, Different types of cells in<br>sycon, Canal system in Prefer.  | Lecture            | 08            | August 03, 2017<br>to August 19,<br>2017 |         |
| 4.                      | <b>Coelenterates: - General characters</b><br>Obelia: - Morphology of Obelia colony, Development of<br>Hydra, Polymorphism in coelenterates.  | Lecture            | 06            | August 24, 2017<br>to Sept. 08, 2017     |         |

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Teaching- Plan Academic Year (2017-18)

Class: B.Sc. I

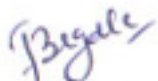
Department of Zoology


Name of Faculty: Dr. Ugale B.J.

Paper No.: I (Semester I)

Paper Name: Protozoa to Annelida

| Chapter No.<br>Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year        | Remarks |
|-------------------------|---|--------------------|---------------|---------------------------------------|---------|
| 5.                      | <b>Helminthes: - General characters</b><br>Fasciola hepatica: - Structure, Life cycle, Pathogenicity & Control Measures<br>Taenia solium: - Structure of scolex, Mature and gravid proglottids, Life cycle, Pathogenicity, and control measures.<br>Ascaris lumbricoides: - Structure of male & female, Life cycle, Pathogenicity & control measures. | Lecture            | 12            | Sept. 09, 2017 to Oct. 12, 2017       |         |
| 6.                      | <b>Annelida: - General characters</b><br>Leech: - Morphology, Digestive, Excretory & Reproductive systems.  | Lecture            | 07            | October 13, 2017 to December 14, 2017 |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching – Plan Academic Year (2017-18)

Class: B.Sc. I

Department of Zoology

Name of Faculty Member: Dr. Ugale B.J.

Paper No.: III (Semester I)

Paper Name: PROTOZOA TO ANNELIDA & CELL BIOLOGY  
(PRACTICAL)

| Chapter No. Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year              | Remarks |
|----------------------|---|--------------------|---------------|---|---------|
| 1.                   | Study of slides from Ciliates, Opalirates, and Flagellates  | Demonstration      | 01            | I Week of July 2017                         |         |
| 2.                   | Study of museum specimen and slides from Porifera to Annelids.  | Demonstration      | 02            | II, III Week of July 2017                   |         |
| 3.                   | Dissection:<br>Dissection of Leech for Digestive, Excretory & Reproductive systems. Dissection of Earthworm for Nervous System & Reproductive system                | Demonstration      | 05            | IV Week of July 2017 To IV Week of Aug.2017 |         |
| 4.                   | Mounting of any five of the following.<br>Sponge spicules, Gemmule, Obelia colony, Jaws of Leech. Spermataca, testes, nerve ring of Earthworm, Parapodia of Nereis. | Demonstration      | 01            | I Week of September 2017                    |         |
| 5.                   | Study of cell organelles by using Models, Charts, Slides & Electron micrographs.  | Demonstration      | 01            | II Week of Septe.2017                       |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching – Plan Academic Year (2017-18)

Class: B.Sc. I

Department of Zoology

Name of Faculty Member: Dr. Ugale B.J.

Paper No.: III (Semester I)

Paper Name: PROTOZOA TO ANNELIDA & CELL BIOLOGY (PRACTICAL)

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Duration of Date<br>/ Month/ Year | Remarks |
|-------------------------|---|-----------------------|------------------|-----------------------------------|---------|
| 6.                      | Squash preparation of Onion root tip to study Mitosis.  | Demonstration         | 01               | III Week of<br>September 2017     |         |
| 7.                      | Preparation of polytene chromosome in chironomous larva/fruit flies.  | Demonstration         | 01               | IV Week of<br>September 2017      |         |
| 8.                      | Microtechnique: - Fixation, dehydration, Block preparation,<br>Microtomy and Staining of Vertebrate tissue. | Demonstration         | 02               | I, II Week of<br>Oct.2017         |         |
| 9.                      | Study of Microscopy: - Simple, Compound, & Phase<br>Contrast<br>Microscope                                  | Demonstration         | 01               | I Week of<br>December 2017        |         |

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Tq. Omega Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching – Plan Academic Year (2017-18)

Class: B.Sc. I

Department of Zoology

Name of Faculty Member: Dr. Ugale B.J.

Paper No.: V (Semester II)

Paper Name: GENETICS – I

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Duration of Date<br>/ Month/ Year | Remarks |
|-------------------------|---|-----------------------|------------------|-----------------------------------|---------|
| 1.                      | <b>Elements of heredity &amp; variation</b><br>Definition of genetics and variation.<br>Mendel's laws of heredity in short.   | Lecture               | 04               | Dec. 15, 2017 to<br>Dec. 22, 2017 |         |
| 2.                      | <b>Gene interaction</b><br>Definition- modifications in Mendelian phenotypic ratio like,<br>Epitasis, Supplementary gene, Complementary gene.   | Lecture               | 05               | Dec. 23, 2017 to<br>Jan. 04, 2018 |         |
| 3.                      | <b>Multiple Alleles</b><br>Coat Colour in rabbit.<br>ABO Blood group in man, Rh factor  | Lecture               | 05               | Jan. 05, 2018 to<br>Jan. 13, 2018 |         |
| 4.                      | <b>Cytoplasmic inheritance.</b> <i>Definition of maternal effect.</i><br><i>Coiling shell in snail (Limnea peregra)</i><br>Male sterility.<br>CO <sub>2</sub> sensitivity in <i>Drosophila</i> .<br>Kappa particles in <i>Paramecia</i> . | Lecture               | 08               | Jan. 18, 2018 to<br>Feb. 03, 2018 |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching – Plan Academic Year (2017-18)

Class: B.Sc. I

Department of Zoology

Name of Faculty Member: Dr. Ugale B.J.

Paper No.: V (Semester II)

Paper Name: GENETICS – I

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Duration of Date<br>/ Month/ Year      | Remarks |
|-------------------------|---|-----------------------|------------------|--|---------|
| 5.                      | <b>Sex Determination</b><br>Chromosome theory in sex determination<br>Genic balance theory of sex determination<br>Triploid intersexes and Gynandromorphs in <i>Drosophila</i> .<br>Sex linked inheritance: X linked and Y linked | Lecture               | 08               | Feb. 08, 2018 to<br>Feb. 23, 2018      |         |
| 6.                      | <b>6. Mutation</b><br>Brief introduction<br>Gene mutation: - Definition and classification<br>Chromosomal aberration (structural & numerical)<br>Spontaneous & induced mutation   | Lecture               | 15               | March 01, 2018<br>to March 31,<br>2018 |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching – Plan Academic Year (2017-18)

Class: B.Sc. I

Name of Faculty Member: Dr. Ugale B.J.

Department of Zoology

Paper No.: VI (Semester II)

Paper Name: ARTHROPODA TO ECHINODERMATA AND PROTOCHORDATA & CELL BIOLOGY (PRACTICAL)

| Chapter No. / Unit No. | Title / Subject   | Method of Teaching | No. Of Period | Duration of Date / Month/ Year                     | Remarks |
|------------------------|---|--------------------|---------------|--|---------|
| 1.                     | Study of museum specimen & slides of relevant Invertebrates & Protochordata. (At least 3 from each phylum).   | Demonstration      | 03            | II Week of Dec. To IV Week of Dec. 2017            |         |
| 2.                     | Dissections:<br>Dissection of Prawn for Nervous system<br>Dissection of Cockroach for Digestive and Nervous Systems.<br>Dissection of Pila for Nervous system.<br>Dissection of Sea Star for Water Vascular System. | Demonstration      | 05            | I Week of Jan. 2018<br>To I Week of February. 2018 |         |
| 3.                     | Mounting of any five of the following.<br>Mouthparts of Cockroach, Mosquito, House fly, Bed bug and Honeybee.<br>Salivary glands of cockroach.<br>Redula of Pila, Pedicellaria of Star fish.                        | Demonstration      | 01            | II Week of February. 2018                          |         |
| 4.                     | Culture of Drosophila- experimental organism in genetics<br>Observation of common mutants of drosophila   | Demonstration      | 01            | III Week of February. 2018                         |         |
| 5.                     | Determination of human blood groups A, B, AB, and O, Rh factor.   | Demonstration      | 01            | I V Week of February. 2018                         |         |
| 6.                     | Major and minor problems in genetics  | Demonstration      | 04            | I Week of March 2018<br>To IV Week of March 2018   |         |

Signature of Faculty Member

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Tq. Omarga Dist. Solapur



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching – Plan Academic Year (2017-18)

Class: B.Sc. II

Name of Faculty Member: Dr. Ugale B.J.

Department of Zoology

Paper No.: VIII (Semester III)

Paper Name: Genetics –II

| Chapter No. Unit No. | Title / Subject  | Method of Teaching | No. Of Period | Duration of Date / Month/ Year   | Remarks |
|----------------------|--|--------------------|---------------|----------------------------------|---------|
| 1.                   | <b>Genes and its expression :-</b><br>Definition, Concept and Function of gene.<br>Transcription of gene: - Initiation, elongation and termination.<br>Genetic code: - Concept of codon, properties of genetic code.<br>Translation of gene: - Initiation, elongation and termination.   | Lecture            | 08            | June 21, 2017 to July 11, 2017   |         |
| 2.                   | <b>Population Genetics :-</b><br>Gene Pool, Gene Frequency.<br>Hardy-Weinberg's Law. Application of Hardy-Weinberg's Law.  | Lecture            | 05            | July 12, 2017 to July 24, 2017   |         |
| 3.                   | <b>Human Genetics:-</b><br>Human chromosomes.<br>Sex linked inheritance –X and Y Linked.<br>Dizygotic and monozygotic twins.<br>Inborn errors in metabolism: - PKU, Albinism.<br>Genetic disorders: - Down's syndrome, Turner's syndrome and Klinefelter's syndrome.<br>Use of human genetics in medical science: - Disease diagnosis, Gene therapy and DNA finger printing. | Lecture            | 12            | July 25, 2017 to August 28, 2017 |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching – Plan Academic Year (2017-18)

Class: B.Sc. II

Department of Zoology

Name of Faculty Member: Dr. Ugale B.J.

Paper No.: X (Semester III)

Paper Name: Genetics –II (Practical)

| Chapter No. Unit No. | Title / Subject  | Method of Teaching | No. Of Period | Duration of Date / Month/ Year         | Remarks |
|----------------------|--|--------------------|---------------|--|---------|
| 1.                   | Preparation of paper model of DNA and study of DNA structure   | Demonstration      | 01            | I Week of July 2017                    |         |
| 2.                   | Study of protein synthesis with the help of chart/models.  | Demonstration      | 02            | II, III Week of July 2017              |         |
| 3.                   | Estimation of DNA from animal tissue with the help of Diphenyl amine method.   | Demonstration      | 02            | IV Week of July To I Week of Aug. 2017 |         |
| 4.                   | Study of preparation of Normal Karyotype of human.   | Demonstration      | 01            | I I Week of Aug. 2017                  |         |
| 5.                   | Karyotypic study of Down's syndrome, Turner's syndrome, Klinefelter's syndrome with the help of photograph.  | Demonstration      | 02            | III, IV Week of Aug. 2017              |         |
| 6.                   | Detection of Barr body from epithelial cell.   | Demonstration      | 01            | I Week of Sept 2018                    |         |
| 7.                   | Problems on sex linked inheritance.  | Demonstration      | 02            | I I, III Week of Sept 2017             |         |
| 8.                   | Problem based on Hardy-Weinberg's Law.   | Demonstration      | 02            | I V Week of Sept to I Week of Oct 2017 |         |
| 9.                   | Study of gene frequency and mutants of man:<br>a) Attached and free ear lobe. b) Colour of eye.<br>c) Rolling of tongue. d) Blood group frequency. | Demonstration      | 02            | I I, III Week of Oct 2017              |         |

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## Teaching – Plan Academic Year (2017-18)

Class: B.Sc. II

Department of Zoology

Name of Faculty Member: Dr. Ugale B.J.

Paper No.: VIII (Semester III)

Paper Name: Genetics –II

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. Of<br>Period | Duration of Date<br>/ Month/ Year         | Remarks |
|-------------------------|--|-----------------------|------------------|---|---------|
| 4.                      | <b>Microbial Genetics:-</b><br>Transformation.<br>Conjugation.<br>Transduction.  | Lecture               | 05               | August 29, 2017<br>to August 31,<br>2017  |         |
| 5.                      | <b>Genetic Engineering:-</b><br>Introduction: - Definition, Concept and<br>significance.<br>Restriction enzyme: - Concept and types.<br>Cloning vectors: - Plasmid, cosmid, phase.<br>Construction of r-DNA.<br>Application of r-DNA technology. | Lecture               | 15               | September 06,<br>2017 to Oct. 11,<br>2017 |         |

Signature of Faculty Member

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tal. Omarga Dist. Dahanu



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching – Plan Academic Year (2017-18)

Class: B.Sc. II

Department of Zoology

Name of Faculty Member: Dr. Ugale B.J.

Paper No.: XII (Semester IV)

Paper Name: BIOCHEMISTRY AND ENDOCRINOLOGY

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Duration of Date<br>/ Month/ Year               | Remarks |
|-------------------------|---|-----------------------|------------------|---|---------|
| A.<br>1                 | <b>BIOCHEMISTRY</b><br><b>Enzymes:-</b><br>Definition, Concept and nomenclature Properties, classification.<br>Mechanism of enzyme action. Factors affecting enzyme action (Temperature, pH, Substrates & Co- enzyme.)    | Lecture               | 05               | December 04,<br>2017 to<br>December 12,<br>2017 |         |
| 2.                      | <b>Carbohydrates: -</b><br>Definition, classification monosaccharide, disaccharides, oligosaccharides and polysaccharides.<br>Metabolism: - Glucogenesis, Gluconeogenesis, Glycolysis, TCA and oxidative phosphorylation. | Lecture               | 06               | December 13,<br>2017 to<br>December 27,<br>2017 |         |
| 3.                      | <b>Proteins:-</b><br>Definition, classification – simple, conjugated and derived proteins.<br>Structure of protein: - Primary, secondary, tertiary and quaternary.<br>Metabolism: - Deamination and transamination.       | Lecture               | 06               | January 01,<br>2018 to<br>January 10,<br>2018   |         |

Signature of Faculty Member

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Tal. Omarga Dist. Gadchiroli



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching – Plan Academic Year (2017-18)

Class: B.Sc. II

Department of Zoology

Name of Faculty Member: Dr. Ugale B.J.

Paper No.: XII (Semester IV)

Paper Name: **BIOCHEMISTRY AND ENDOCRINOLOGY**

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Duration of Date<br>/ Month/ Year              | Remarks |
|-------------------------|---|-----------------------|------------------|--|---------|
| 4.                      | <b>Lipids: -</b><br>Definition, classification, simple, compound and derived lipids.<br>Metabolism: - B-oxidation and cholesterol biosynthesis.   | Lecture               | 05               | January 15 ,<br>2018 to<br>January 23,<br>2018 |         |
| 5.                      | <b>Vitamins: -</b> Sources and deficiency.  | Lecture               | 02               | January 24,<br>2018 to<br>January 29,<br>20178 |         |
| B.<br>1.                | <b>ENDOCRINOLOGY</b><br><b>Endocrine system of vertebrates:-</b><br>Introduction: - Definition of endocrine, Paracrine and Autocrine system.<br>Significance of endocrine and neuro-endocrine system. | Lecture               | 04               | January 30,<br>2018 to<br>February 06,<br>2018 |         |

Signature of Faculty Member

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Shrikrishna Mahavidyalaya, Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching – Plan Academic Year (2017-18)

Class: B.Sc. II

Department of Zoology

Name of Faculty Member: Dr. Ugale B.J.

Paper No.: XII (Semester IV)

Paper Name: BIOCHEMISTRY AND ENDOCRINOLOGY

| Chapter No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. Of<br>Period | Duration of Date /<br>Month/ Year      | Remarks |
|-------------------------|---|-----------------------|------------------|--|---------|
| 2.                      | <b>Pituitary gland:</b> - Morphology & histological structure, Hormones and their function.   | Lecture               | 05               | February 07, 2018 to February 21, 2018 |         |
| 3.                      | <b>Thyroid gland:</b> - Morphology & histological structure, Hormones and their function.     | Lecture               | 03               | February 26, 2018 to February 28, 2018 |         |
| 4.                      | <b>Adrenal gland:</b> - Morphology & histological structure, Hormones and their function.     | Lecture               | 05               | March 05, 2018 to March 13, 2018       |         |
| 5                       | <b>Pancreas:</b> - Islets of Langerhans- Histological structure, Hormones and their function. | Lecture               | 05               | March 13, 2018 to March 27, 2018       |         |

Signature of Faculty Member

*Begale*

*[Signature]*  
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Tq. Omarga Dist. Osmanabad

*Bend...*



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching – Plan Academic Year (2017-18)

Class: B.Sc. II

Department of Zoology

Name of Faculty Member: Dr. Ugale B.J.

Paper No.: XIV (Semester IV)

Paper Name: BIOCHEMISTRY AND ENDOCRINOLOGY (PRACTICAL)

| Chapter No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. Of<br>Period | Duration of Date /<br>Month/ Year                     | Remarks |
|-------------------------|--|-----------------------|------------------|---|---------|
| 1.                      | Preparation of solutions of given percentage, normality and molarity.  | Demonstration         | 02               | II , III Week of December 2017                        |         |
| 2.                      | Study of analytical instrument principal and applications.<br>pH meter, Colorimeter,<br>Centrifuge, Electrophoresis. | Demonstration         | 04               | IV Week of Dec.<br>2017 To III Week of<br>Jan. 2018   |         |
| 3.                      | Factors affecting enzyme activity temperature and pH.  | Demonstration         | 02               | IV Week of Jan.<br>2018 To I week of<br>February 2018 |         |
| 4.                      | Detection of amino acid by paper chromatography.   | Demonstration         | 01               | I I week of Feb. 2018                                 |         |
| 5.                      | Qualitative test for organic compound.<br>Carbohydrate, Protein and Fat.   | Demonstration         | 03               | III Week of Feb.<br>2018 To I Week of<br>March 2018   |         |
| 6.                      | Quantitative estimation of protein from animal tissue using Lawry's method.  | Demonstration         | 02               | II Week of March<br>2018 TO III Week of<br>March 2018 |         |
| 7.                      | Study of permanent histological slides of endocrine glands.  | Demonstration         | 02               | IV, V Week of March<br>2018                           |         |

Signature of Faculty Member

*Begale*

Principal

Shrikrishna Mahavidyalaya, Gunjoti

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Academic Calender For 180 Days

Faculty of SCIENCE

Academic Year (2017 - 18)

Department of MATHEMATICS

Name of Faculty Member Shri. H. S. BHOSALE

| Term        | Month     | Working Days | Theory Periods |             |            | Practical Periods | Total |
|-------------|-----------|--------------|----------------|-------------|------------|-------------------|-------|
|             |           |              | First Year     | Second Year | Third Year |                   |       |
| First Term  | June      | 9            | 8              | 7           | 14         | 0                 | 29    |
|             | July      | 26           | 19             | 20          | 40         | 0                 | 79    |
|             | August    | 21           | 17             | 17          | 34         | 0                 | 68    |
|             | September | 23           | 19             | 19          | 38         | 0                 | 76    |
|             | October   | 11           | 8              | 8           | 14         | 0                 | 30    |
| Total 1     |           | 90           | 71             | 71          | 140        | 0                 | 282   |
| Second Term | November  | 0            | 0              | 0           | 0          | 0                 | 0     |
|             | December  | 24           | 22             | 22          | 44         | 0                 | 88    |
|             | January   | 26           | 21             | 21          | 42         | 0                 | 84    |
|             | February  | 23           | 18             | 18          | 36         | 0                 | 72    |
|             | March     | 13           | 9              | 9           | 18         | 0                 | 36    |
| Total 2     |           | 86           | 70             | 70          | 140        | 0                 | 280   |
| Total 1 + 2 |           | 176          | 141            | 141         | 280        | 0                 | 562   |

Total Working Days:

176

Total Theory Periods:

562

Total Practical Periods:

0

  
Signature of Faculty Member

Bhosale H. S



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

Teaching-Learning Academic Plan (2017 - 18)

Faculty of Science  
Department of Mathematics  
Paper No. MAT - 102


Class : B.Sc. – I (First Semester)

Name of Teacher: **Bhosale H. S.**

Paper Name: **DIFFERENTIAL EQUATIONS**

| Chapter No.<br>Unit No. | Title/Subject   | Method of Teaching | No. of Periods | Duration             | Remarks |
|-------------------------|---|--------------------|----------------|----------------------|---------|
| 1                       | <b>Equations of The First Order and of The First Degree:</b><br>Exact differential equations, linear equations, equations reducible to the linear form.   | Lecture            | 05             | June -17             |         |
| 2                       | <b>Linear Equations with Constant Coefficients:</b><br>Linear equations, complementary functions, particular integral, complete integral, The linear equations with constant coefficients and second member zero, case of auxiliary equation having equal roots, case of auxiliary equation having imaginary roots, the symbol $D$ , the linear equation with constant coefficients and second member a function of $x$ , the symbolic function $1/f(D)$ , methods of finding the particular integral, short methods of finding particular integrals corresponding to the terms $e^{ax}$ , $x^n$ , $\sin ax$ , $\cos ax$ , $e^{ax}V$ and $xV$ in the second member. | Lecture            | 15             | July -<br>17         |         |
| 3                       | <b>Linear Equations with Variable Coefficients:</b><br>The homogeneous linear equation, methods of finding solution, the symbolic functions $f(\theta)$ and $1/f(\theta)$ , methods of finding the particular integral, integral corresponding to a term of form $x^n$ in the second member, equations reducible to homogeneous linear form.  | Lecture            | 15             | July -17,<br>Aug -17 |         |
| 4                       | <b>Exact Differential Equations and Equations of Particular Forms:</b> Exact differential equations, criterion of an exact differential equation, the integration of an exact equation: first integral, equations of the form $d^2y/dx^2 = f(x)$ , equation of the form $d^2y/dx^2 = f(y)$  | Lecture            | 05             | Aug -17              |         |
| 5                       | <b>Ordinary Differential Equations with More Than Two Variables:</b><br>Simultaneous differential equations which are linear, simultaneous equations of the First order.  | Lecture            | 10             | Sept-17              |         |
| 6                       | <b>Partial Differential Equations:</b><br>Definitions, derivation of a partial differential equation by the elimination of constants, Derivation of a partial differential equation by the elimination of arbitrary functions.  | Lecture            | 10             | Sept-17,<br>Oct - 17 |         |

Signature of Associate Professor

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

Teaching-Learning Academic Plan (2017 – 18)

Faculty of Science  
Department of Mathematics  
Paper No. MAT - 303

Class : B.Sc. – II (Third Semester)  
Name of Teacher: **Bhosale H. S.**  
Paper Name: **MECHANICS – I**

| Chapter No.<br>Unit No. | Title/Subject   | Method of Teaching | No. of Periods | Duration                | Remarks |
|-------------------------|---|--------------------|----------------|-------------------------|---------|
| 1                       | <b><u>Forces acting on a particle:</u></b><br>Particle, Rigid body, Force, The force as a vector, Equilibrium, An axiom for equilibrium of two forces, Statics, Resultant of forces, Law of parallelogram of forces, Principle of the transmissibility of force, Deductions, Resultant of forces $m\vec{OA}$ and $n\vec{OB}$ , Components and Resolved parts, the algebraic sum of resolved parts of two forces, To find the magnitude and direction of the resultant of any number of coplanar forces acting at a point, Resultant of parallel forces. | Lecture            | 20             | June,<br>July –<br>2017 |         |
| 2                       | <b><u>Equilibrium of forces acting on a particle:</u></b><br>Triangle law of forces, Converse of the triangle law of forces, Polygon of forces, Lami's theorem, Conditions of equilibrium of forces acting on a particle.   | Lecture            | 15             | July,<br>Aug.-<br>2017  |         |
| 3                       | <b><u>Forces acting on a Rigid Body:</u></b><br>Introduction, Moment of a force, Sum of vector moments of two like parallel forces, Couples, Conditions of equilibrium of forces acting on a rigid body, Trigonometrical Theorems.  | Lecture            | 15             | Aug.,<br>Sept-<br>2017  |         |
| 4                       | <b><u>Centre of Gravity:</u></b><br>Centroid of weighted points, Centre of gravity, Centre of gravity of some uniform bodies.   | Lecture            | 10             | Oct-<br>2017            |         |

Signature of Associate Professor

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

Teaching-Learning Academic Plan (2017 – 18)

Faculty of Science  
Department of Mathematics  
Paper No. MAT - 501

Class : B.Sc. – III (Fifth Semester)

Name of Teacher: **Bhosale H. S.**

Paper Name: **ANALYSIS – I**

| Chapter No.<br>Unit No. | Title/Subject   | Method of Teaching | No. of Periods | Duration              | Remarks |
|-------------------------|---|--------------------|----------------|-----------------------|---------|
| 1                       | <b>1) Prerequisite:</b> Sets and elements, Operations on sets.<br><b>2) Functions:</b> Functions, Real-valued functions, Equivalence, Countability, Real numbers, Least upper bounds.   | Lecture            | 10             | Jun –<br>July –<br>17 |         |
| 2                       | <b>3) Sequences of Real Numbers:</b> Definition of sequence and subsequence, Limit of a sequence, Convergent sequences, Divergent sequences, Bounded sequences, Monotone sequences, Operations on convergent sequences, Operations on divergent sequences, Limit superior and limit inferior, Cauchy sequences. | Lecture            | 20             | July –<br>Aug –<br>17 |         |
| 3                       | <b>4) Series of Real Numbers:</b> Convergence and divergence, Series with non-negative terms, Alternating series, Conditional convergence and convergence, Test for absolute convergence.   | Lecture            | 15             | Aug –<br>Sept –<br>17 |         |
| 4                       | <b>5) Jacobians:</b> Definitions, Case of function of functions, Jacobian of implicit functions, Necessary and sufficient condition for a Jacobian to vanish.   | Lecture            | 15             | Sept –<br>Oct – 17    |         |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

Teaching-Learning Academic Plan (2017 – 18)

Faculty of Science  
Department of Mathematics  
Paper No. MAT - 502

Class : B.Sc. – III (Fifth Semester)  
Name of Teacher: Bhosale H. S.  
Paper Name: ABSTRACT ALGEBRA-I

| Chapter No.<br>Unit No. | Title/Subject   | Method of Teaching | No. of Periods | Duration                        | Remarks |
|-------------------------|---|--------------------|----------------|---------------------------------|---------|
| 1                       | <b>1) Prerequisite:</b> Sets, Functions, Integers.<br><b>2) Group Theory:</b> Definition of a group, Some examples of groups, Some preliminary lemmas Subgroups, A counting Principle, Normal subgroups and quotient groups Homomorphism, Automorphism. | Lecture            | 30             | June –<br>July –<br>Aug –<br>17 |         |
| 2                       | <b>3) Ring Theory:</b><br>Definition and examples of rings Some special classes of ring, Ideals and quotient rings More ideals and quotient rings, Polynomial ring.   | Lecture            | 30             | Aug –<br>Sept –<br>Oct – 17     |         |

  
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Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

Teaching-Learning Academic Plan (2017 – 18)

Faculty of Science  
Department of Mathematics  
Paper No. MAT - 202

Class : B.Sc. – I (Second Semester)  
Name of Teacher: **Bhosale H. S.**  
Paper Name: **GEOMETRY**

| Chapter No.<br>Unit No. | Title/Subject   | Method of Teaching | No. of Periods | Duration              | Remarks |
|-------------------------|---|--------------------|----------------|-----------------------|---------|
| 1                       | <b>The Plane:</b><br>Equations of the first degree in $x, y, z$ , transformation to the normal form, determination of plane under given conditions, equations of the plane through three given points, systems of planes, two sides of a plane, length of the perpendicular from a point to a plane, bisectors of angles between two planes, joint equation of two planes.  | Lecture            | 15             | Dec – 17              |         |
| 2                       | <b>Right Line:</b><br>Equations of a line, equations of a straight line in terms of its direction cosines and the co-ordinates of a point on it, equations of a line through two points, symmetrical and unsymmetrical forms of the equations of a line, transformation of the equations of a line to the symmetrical form, angle between a line and a plane, the condition that a given line may lie in a given plane, the condition that two given lines are coplanar, number of arbitrary constants in the equations of a straight line, sets of conditions which determine a line, the shortest distance between two lines, the length and equations of the line of shortest distance between two straight lines, length of perpendicular from a given point to a given line. | Lecture            | 15             | Dec-17,<br>Jan-17     |         |
| 3                       | <b>Sphere:</b><br>Definition and equation of the sphere, equation of the sphere through four given points, plane section of a sphere, intersection of two spheres, equation of a circle, sphere through a given circle, intersection of a sphere and a line, equation of a tangent plane.   | Lecture            | 15             | Jan – 18,<br>Feb – 18 |         |
| 4                       | <b>Cones, Cylinders:</b><br>The right circular cone, equation of a right circular cone, the right circular cylinder, equation of a right circular cylinder.   | Lecture            | 07             | Feb – 18              |         |
| 5                       | <b>The Conicoid:</b><br>Central conicoids, intersection of a line and a central conicoid, tangent lines and tangent plane at a point, condition that a plane may touch a central conicoid,  |                    | 08             | Mar – 18              |         |

  
Signature of Associate Professor

  
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Tq. Omarga Dist. Solapur



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

## Teaching-Learning Academic Plan (2017 – 18)

Faculty of Science  
Department of Mathematics  
Paper No. MAT - 403

Class : B.Sc. – II (Fourth Semester)  
Name of Teacher: **Bhosale H. S.**  
Paper Name: **MECHANICS – II**

| Chapter No.<br>Unit No. | Title/Subject  | Method of Teaching | No. of Periods | Duration | Remarks |
|-------------------------|--|--------------------|----------------|----------|---------|
| 1                       | <b><u>Kinematics and dynamics of a particle in two dimensions:</u></b><br>Introduction, Definitions, Velocity and acceleration in terms of vector derivatives, Tangent and unit vector along the tangent, Rate of change of unit vector moving in a plane, Curvature principal normal, Tangential and normal components of velocity and acceleration, Angular speed and angular velocity, Radial and transverse components of velocity and acceleration, Areal speed and areal velocity. | Lecture            | 20             | Dec-17   |         |
| 2                       | <b><u>Kinetics of a particle:</u></b><br>Introduction, Newton's law of motion, Matter, Linear momentum, Angular momentum, An Impulsive force and its impulse, Conservation of linear momentum, Impact of two bodies, Work, Energy, Scalar point function, Vector point function, Field of force, Conservative field of force.  | Lecture            | 15             | Dec-17   |         |
| 3                       | <b><u>Motion of a projectile and motion in a resisting medium:</u></b><br>Rectilinear Motion, Motion under gravity, Projectile, Motion of projectile, Range on an inclined plane, Parabola of Safety, Projectile to pass through a given point, Motion in a resisting medium, Motion of a body moving under gravity and in a medium whose resistance varies as velocity.   | Lecture            | 15             | Jan-18   |         |
| 4                       | <b><u>Central Orbits:</u></b><br>Definitions, Areal velocity in central orbit, Differential equation of central orbit, Apes, Law of force, Pedal equation of some curves   | Lecture            | 10             | Feb-18   |         |

Signature of Associate Professor

  
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Tq. Omery - Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

Teaching-Learning Academic Plan (2017 – 18)

Faculty of Science  
Department of Mathematics  
Paper No. MAT - 601

Class : B.Sc. – III (Sixth Semester)  
Name of Teacher: **Bhosale H. S.**  
Paper Name: ANALYSIS – II

| Chapter No.<br>Unit No. | Title/Subject  | Method of Teaching | No. of Periods | Duration            | Remarks |
|-------------------------|--|--------------------|----------------|---------------------|---------|
| 1                       | <b>1) Limits in Metric Spaces:</b> Metric spaces, Limits in metric spaces.<br><b>2) Continuous Functions on Metric Spaces:</b> Functions continuous on metric spaces, open sets, Closed sets.  | Lecture            | 15             | Dec – 17            |         |
| 2                       | <b>Connectedness, Completeness and Compactness:</b> More about open sets, connected sets, bounded sets and totally bounded sets, Complete metric spaces, Compact metric spaces, Continuous functions on compact metric spaces, Uniform continuity. | Lecture            | 15             | Dec-17,<br>Jan – 18 |         |
| 3                       | <b>Calculus:</b> Sets of measure zero, Definition of Riemann Integral, Existence of Riemann Integral, Fundamental Theorem of Calculus.   | Lecture            | 15             | Jan –<br>Feb – 18   |         |
| 4                       | <b>Fourier Series:</b><br>Introduction.  | Lecture            | 15             | Feb –<br>Mar-18     |         |

  
Signature of Associate Professor

  
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Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

Teaching-Learning Academic Plan (2017 – 18)

Faculty of Science  
Department of Mathematics  
Paper No. MAT - 602

Class : B.Sc. – III (Sixth Semester)  
Name of Teacher: **Bhosale H. S.**  
Paper Name: **ABSTRACT ALGEBRA – II**

| Chapter No.<br>Unit No. | Title/Subject  | Method of<br>Teaching | No. of<br>Periods | Duration             | Remarks |
|-------------------------|--|-----------------------|-------------------|----------------------|---------|
| 1                       | <b>Vector Spaces and Modules:</b><br>Elementary basic concepts | Lecture               | 15                | Dec -17              |         |
| 2                       | Linear independence and bases                                  | Lecture               | 10                | Jan - 18             |         |
| 3                       | Dual Spaces,.  | Lecture               | 10                | Jan - 18             |         |
| 4                       | Inner product spaces   | Lecture               | 15                | Jan -<br>Feb - 18    |         |
| 5                       | Modules  | Lecture               | 10                | Feb -<br>Mar -<br>18 |         |

  
Signature of Associate Professor

  
[Principal]  
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Tq. Omarga Dist. Solapur

**Srikrishna Shikshan Sanstha's**  
**SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI**  
**Academic Calendar for 180 Days**

Faculty of Science

Academic Year- 2017- 2018

Department of Mathematics

Name of Faculty: **Dr. J.A. Nanware**

| Term             | Month     | Working days | Theory periods |            |            | Practical periods |    |     | Total periods |
|------------------|-----------|--------------|----------------|------------|------------|-------------------|----|-----|---------------|
|                  |           |              | I              | II         | III        | I                 | II | III |               |
| First Term       | June      | 09           | 00             | 10         | 05         | 00                | 00 | 00  | 15            |
|                  | July      | 26           | 20             | 40         | 20         | 00                | 00 | 00  | 80            |
|                  | August    | 21           | 20             | 35         | 15         | 00                | 00 | 00  | 70            |
|                  | September | 23           | 20             | 35         | 15         | 00                | 00 | 00  | 70            |
|                  | October   | 11           | 00             | 00         | 05         | 00                | 00 | 00  | 05            |
| <b>Total 1</b>   |           | <b>90</b>    | <b>60</b>      | <b>120</b> | <b>60</b>  | <b>-</b>          |    |     | <b>240</b>    |
| Second Term      | November  | 00           | 00             | 00         | 00         | 00                | 00 | 00  | 05            |
|                  | December  | 24           | 20             | 40         | 20         | 00                | 00 | 00  | 81            |
|                  | January   | 26           | 20             | 40         | 20         | 00                | 00 | 00  | 81            |
|                  | February  | 21           | 15             | 35         | 20         | 00                | 00 | 00  | 72            |
|                  | March     | 19           | 05             | 05         | 00         | 00                | 00 | 00  | 13            |
| <b>Total 2</b>   |           | <b>96</b>    | <b>60</b>      | <b>120</b> | <b>60</b>  | <b>-</b>          |    |     | <b>240</b>    |
| <b>Total 1+2</b> |           | <b>192</b>   | <b>120</b>     | <b>240</b> | <b>120</b> | <b>-</b>          |    |     | <b>480</b>    |

Total working days = 180

Total theory periods = 480

Signature of Faculty Member

Principal  
**Principal**  
 Shrikrishna Mahavidyalaya, Gunjoti  
 Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.Sc.First Year

Department of Mathematics


Paper No.: MAT 101

Name of Faculty: Dr. J. A. Nanware

Paper Name: Differential Calculus

| Chap. No.<br>Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration of Date / Month/ Year                 | Remarks               |
|-----------------------|---|--------------------|---------------|--|-----------------------|
| 1.                    | <b>Prerequisite:Functions:</b> Domain and range of a function, independent and dependent variables, polynomial functions and rational functions, constant functions and identity functions, one-one functions, onto function, invertible functions, composite function  | Lecture            | 05            | 03/07/2017-08/07/2017                          |                       |
|                       | <b>Limit and continuity:</b> Limit of a function, left handed and right handed limits, nonexistence of limit, theorems on limits(statements only), theorems on continuity (statements only), discontinuity, types of discontinuity.   | Lecture            | 05            | 11/07/2017-15/07/2017                          | Unit test             |
| 2.                    | <b>Differentiations:</b> Derivative of a function, derived function, derivability implying continuity, geometrical interpretation of a derivative, hyperbolic functions, derivatives of hyperbolic and inverse hyperbolic functions, logarithmic differentiation, derivative of implicit functions  | Lecture            | 05            | 18/07/2017-22/07/2017                          | Tutorial              |
|                       | <b>Successive Differentiation:</b> Higher order derivatives, calculation of $n^{\text{th}}$ derivatives, some standard results, determination of $n^{\text{th}}$ derivative of rational functions, the $n^{\text{th}}$ derivatives of the products of the powers of sines and cosines, Leibnitz's theorem: $n^{\text{th}}$ derivative of the product of two functions   | Lecture            | 10            | 25/07/2017-05/08/2017                          | Seminar<br>Unit test  |
| 3.                    | <b>Mean Value Theorems:</b> Rolle's theorem, Lagrange's mean value theorem, meaning of the sign of the derivative, Cauchy's mean value theorem, higher derivatives, Taylor's theorem, Maclaurin's theorem, Maclaurin's power series for a given function.   | Lecture            | 05            | 08/08/2017-12/08/2017                          | Tutorial              |
|                       | <b>Partial Differentiation:</b> Functions of two variables, limit of a function of two variables, continuity of a function of two variables at a point, limit of a continuous function, partial derivatives, partial derivatives of higher order, homogeneous function, Euler's theorem on homogeneous function, total differentials, differentiation of composite function and implicit function   | Lecture            | 10            | 18/08/2017-01/09/2017                          | Tutorial<br>Unit test |
|                       | <b>Prerequisite:</b> Scalar product of two vectors, sign of the scalar product, length of a vector as a scalar product, angle between two vectors, commutativity, distributivity, right handed and left handed vector triads, vector product, some properties of vector product, scalar triple product, distributive law, some properties of scalar triple product, vector triple product   | Lecture            | 05            | 05/09/2017-09/09/2017                          |                       |
|                       | <b>Differential Operators:</b> Point functions: scalar valued point functions, vector valued point functions, limits and continuity, directional derivatives, Cartesian representation of point functions and their directional derivatives, directional derivatives of point functions along co-ordinate axes and along any line, gradient of a scalar point function, character of gradient as a point function, the operator $\nabla$ , operator a $\nabla$ , divergence and curl, gradient, divergence and curl of sums and product | Lecture            | 15            | 12/09/2017-30-09/2017<br>05/10/2017-10/10/2017 | Unit test             |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.Sc. Second Year

Department of Mathematics

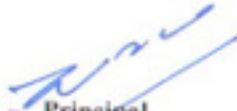
Name of Faculty: Dr. J. A. Nanware

Paper No. : MAT 301

Paper Name : Number Theory

| Chap. No.<br>Unit No. | Title / Subject   | Method of<br>Teaching | No. of<br>Period | Duration of Date /<br>Month/ Year              | Remarks               |
|-----------------------|---|-----------------------|------------------|--|-----------------------|
| 1.                    | Divisibility Theory in the integers: The Division Algorithm, The greatest common divisor, The Euclidean algorithm, The Diophantine equation $ax+by=c$ . | Lecture               | 15               | 20/06/2017-30/06/2017<br>01/07/2017-03/07/2017 | Unit test             |
| 2.                    | Primes and their distribution: The fundamental theorem of arithmetic  | Lecture               | 10               | 03/07/2017-10/07/2017                          | Tutorial<br>Unit test |
| 3.                    | The theory of congruences : Basic properties of congruences, Linear congruences   | Lecture               | 10               | 10/07/2017-17/07/2017                          | Tutorial              |
| 4.                    | Fermat's theorem: Fermat's factorization theorem, the Little theorem, Wilson's theorem  | Lecture               | 10               | 17/07/2017-24/07/2017                          | Unit test             |
| 5.                    | Number –Theoretic functions: The functions $\tau$ and $\sigma$ , The Mobius inversion formula   | Lecture               | 07               | 24/07/2017-28/07/2017                          | Seminar<br>Unit test  |
| 6.                    | Euler's generalization of Fermat's Theorem: Euler's Phi-function, Euler's theorem, Some properties of Phi function.                                     | Lecture               | 08               | 29/07/2017-03/08/2017                          | Unit test             |

  
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Teaching –Plan Academic Year (2017-2018)

Class: B.Sc. Second Year

Department of Mathematics

Paper No.: MAT 302

Name of Faculty: Dr.J. A. NANWARE

Paper Name: Integral Transforms

| Chap. No.<br>Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration of Date / Month/<br>Year | Remarks               |
|-----------------------|---|--------------------|---------------|-----------------------------------|-----------------------|
| 1.                    | <b>Beta and Gamma Functions:</b> Euler's Integrals- Beta and Gamma functions, elementary properties of Gamma function, Transformation of Gamma function, Another form of Beta function, Relation between beta and Gamma functions, Other transformations  | Lecture            | 15            | 06/08/2017-16/08/2017             | Unit test/<br>Seminar |
|                       | <b>Laplace Transform:</b> Piece-wise or sectional continuity, function of exponential order, function of class $A$ , The transform concept, Laplace Transform, Notation, Some standard results.   |                    | 15            | 18/08/2017-28/08/2017             |                       |
|                       | <b>Inverse Laplace Transform:</b> Definition, Null function, Uniqueness of inverse Laplace transform, partial fractions, Heaviside's expansion formula, the complex inversion formula.<br><b>Applications to Differential Equations:</b> Differential Equation, Notations(Problems related to Ordinary Differential Equations only) | Lecture            | 15            | 29/08/2017-09/09/2017             | Unit test             |
| 2.                    | <b>Fourier Transform:</b> Infinite Fourier sine transform of $F(x)$ , Finite Fourier cosine transform of $F(x)$ , Infinite Fourier transform of $F(x)$ , Relationship between Fourier transform and Laplace transform, Finite Fourier sine transform, Finite Fourier cosine transform, Fourier Integral theorem                     | Lecture            | 15            | 11/09/2017-28/09/2017             | Tutorial<br>Unit test |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.Sc. Third Year

Department of Mathematics

Paper No.: – MAT-504

Name of Faculty: Dr. J.A. Nanware

Paper Name: Ordinary Differential Equations-I

| Chap. No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. of<br>Periods | Duration<br>Date / Month/ Year | Remarks              |
|-----------------------|--|-----------------------|-------------------|--------------------------------|----------------------|
| 1                     | <b>Preliminaries:</b>  |                       |                   |                                |                      |
|                       | Introduction, Complex numbers, functions, polynomials  | Lecture               | 05                | 20/06/2017-<br>01/07/2017      |                      |
|                       | Complex series and the exponential function  | Lecture               | 06                | 03/07/2017-<br>13/07/2017      |                      |
|                       | Determinants   | Lecture               | 04                | 14/07/2017-<br>19/07/2017      | Unit test            |
| 2                     | <b>Linear equations of the first order:</b>  |                       |                   |                                |                      |
|                       | Introduction, differential equations, problems associated with differential equations  | Lecture               | 15                | 20/07/2017-<br>09/08/2017      |                      |
|                       | Linear equations of the first order, The equation $y'+ay=\theta$ , The equation $y'+ay=b(x)$   | Lecture               | 10                | 10/08/2017-<br>07/09/2017      | Unit test            |
| 3                     | <b>Linear equations with constant coefficients:</b>  |                       |                   |                                |                      |
|                       | Introduction, The second order homogeneous equation, Initial value problems for second order equations   | OHP                   | 10                | 08/09/2017-<br>28/09/2017      | Seminar              |
|                       | Linear dependence and independence, A formula for the Wronskain, The nonhomogeneous equation of order two, The homogeneous equation of order $n$ | OHP/Lecture           | 10                | 03/10/2017-<br>14/10/2017      | Seminar<br>Unit test |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI-

Teaching –Plan Academic Year (2017-2018)

Class: B.Sc. First Year

Department of Mathematics

Paper No.: MAT 201

Name of Faculty: Dr.J. A. NANWARE

Paper Name: Integral Calculus

| Chap. No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks               |
|-----------------------|--|--------------------|---------------|--------------------------------|-----------------------|
| 1.                    | <b>Methods of Integration:</b> Reduction formulae.   | Lecture            | 07            | 02/12/2017-07/12/2017          | Unit test             |
|                       | <b>Integration of Algebraic Rational Functions:</b> Case of non-repeated linear factors, Case of non-repeated linear or repeated linear factors, Case of linear or quadratic non-repeated factors  |                    | 10            | 08/12/2017-14/12/2017          |                       |
|                       | <b>Integration of Trigonometric Functions:</b> Integration of $\sin^n x$ , $\cos^n x$ and reduction formulae for integration of $\sin^n x$ , $\cos^n x$  | Lecture            | 10            | 15/12/2017-21/12/2017          | Unit test             |
|                       | <b>Definite Integral as the Limit of a sum:</b> Introduction, fundamental theorem.   |                    | 08            | 22/12/2017-30/12/2017          |                       |
| 2.                    | <b>Areas of Plane Regions:</b> Areas of region bounded by a curve, x-axis and two ordinates  | Lecture            | 05            | 01/01/2018-06/01/2018          | Tutorial<br>Unit test |
|                       | <b>Rectification, Length of Plane Curves:</b> Introduction, expression for lengths of curves $y=f(x)$ , expressions for lengths of arc $x=f(y)$ ; $x=f(t)$ , $y=f(t)$ ; $r=f(\theta)$ .  |                    | 05            |                                |                       |
| 3.                    | <b>Volumes and Surfaces of Revolution:</b> Introduction, expressions for the volume obtained by revolving about either the axis  | Lecture            | 15            | 08/01/2018-17/01/2018          | Unit test             |
|                       | <b>Integral Transformation:</b> Introduction, line integrals, circulation, irrotational vector point functions, surface integrals, volume integrals, reduction of volume to surface integral, physical interpretation of Gauss theorem, reduction of surface to line integrals, condition for irrotational vector functional, Green's theorem. |                    |               |                                |                       |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.Sc. Second Year

Department of Mathematics

Paper No.: MAT 401

Name of Faculty: Dr.J. A. NANWARE

Paper Name: Numerical Methods

| Chap.No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration<br>Date / Month/ Year | Remarks               |
|----------------------|--|--------------------|---------------|--------------------------------|-----------------------|
| 1                    | <b>Solution of Algebraic and Transcendental Equations:</b> Introduction, Bisection method, Method of False position, Newton-Raphson method, Generalized Newton's method  | Lecture            | 10            | 06/11/2017-10/12/2017          | Seminar               |
| 2                    | <b>Interpolation:</b> Introduction, Finite Differences, Forward differences, Backward differences, Central differences, Symbolic relations and separation of symbols, Differences of a polynomial, Newton's formulae for interpolation, Interpolation with unevenly spaced points, Lagrange's interpolation formula, Hermite's interpolation formula, Divided differences and their properties, Newton's general interpolation formula | Demonstration      | 15            | 11/12/2017-25/12/2017          | Unit test             |
| 3                    | <b>Curve Fitting and Approximations:</b> Introduction, Least-Squares curve fitting procedures, fitting a straight line, nonlinear curve fitting, Applications of functions, Chebyshev polynomials, Economization of power series.  | Demonstration      | 10            | 26/12/2017-02/01/2018          | Unit test             |
| 4                    | <b>Solution of Linear System of Equations:</b> Solution of linear systems-direct methods, Gaussian elimination method, Method of factorization, Solution of Linear systems-iterative methods, The Eigenvalue problem, Householder's method, Eigenvalues of a symmetric tridigonal matrix, The QR method  | Demonstration      | 15            | 04/01/2018-09/01/2018          | Tutorial              |
| 5                    | <b>Numerical Solution of Ordinary Differential Equations:</b> Introduction, Solution by Taylor's series method, Picard's method of successive approximations, Euler's method, Runge Kutta methods.   | Lecture            | 10            | 11/01/2018-16/01/2018          | Tutorial<br>Unit test |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.Sc. Second Year

Department of Mathematics


Paper No.: MAT 402

Name of Faculty: Dr.J. A. NANWARE

Paper Name: Partial Differential Equations

| Chap.No.<br>Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration<br>Date / Month/ Year | Remarks   |
|----------------------|--|--------------------|---------------|--------------------------------|-----------|
| 1                    | <b>Prerequisites:</b> Definition of partial differential equations, Derivation of a partial differential equation by the elimination of arbitrary constants, Derivation of a partial differential equation by the elimination of arbitrary functions, Lagrange's linear partial differential equation, Geometrical interpretation of the Lagrange's linear partial differential equation $Pp+Qq=R$ . | Lecture            | 15            | 17/01/2018-29/01/2018          | Unit test |
| 2                    | <b>Non-linear Partial Differential Equations of Order One:</b><br>Complete and particular integrals, General integral, Singular integral, Special method, Standard form I, Standard form II, Standard form III, Standard form IV, Charpit's method, Non-linear partial differential equations of order one with three or more independent variables, Jacobi's method.                                | Lecture            | 15            | 25/01/2018-08/02/2018          | Seminars  |
| 3                    | <b>Linear Partial Differential Equations:</b><br>Definitions, Linear homogeneous partial differential equations with constant coefficients, Non-homogeneous linear partial differential equations, Equations reducible to linear form with constant coefficients.  | Lecture            | 15            | 09/02/2018-22/02/2018          | Tutorial  |
| 4                    | <b>Partial Differential Equations of Second Order:</b><br>Equations that can be integrated by inspection, Monge's method to solve the equation $Rr+Ss+Tt=V$ , Method of transformations (canonical forms)  | Lecture            | 15            | 22/02/2018-10/03/2018          | Unit Test |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2017-2018)

Class: B.Sc. Third Year

Department of Mathematics

Paper No.: – MAT -604

Name of Faculty: Dr. J.A.Nanware

Paper Name: Ordinary Differential Equations-II

| Chap. No.<br>Unit No. | Title / Subject  | Method of<br>Teaching | No. of<br>Period | Duration of Date /<br>Month/ Year | Remarks                          |
|-----------------------|--|-----------------------|------------------|-----------------------------------|----------------------------------|
| 1                     | <b>Linear equations with variable coefficients:</b><br>Introduction, Initial Value problems for the homogeneous equation, Solutions of the homogeneous equation. The Wronskian and linear independence | Lecture               | 10               | December 2017                     | Unit test                        |
| 1                     | Reduction of the order of a homogeneous equation, The non-homogeneous equation, Homogeneous equations with analytic coefficients, The Legendre equation  | Lecture/OHP           | 20               | December/<br>January 2018         | Group<br>discussion<br>Unit test |
| 2                     | <b>Linear Equations with Regular Singular Points:</b> Introduction, The Euler Equation, Second order equations with regular singular points (An example)   | Lecture/OHP           | 20               | January/<br>February 2018         | Seminar<br>Unit test             |
| 2                     | Second order equations with regular singular points-general case, The Bessel equation.   | OHP/LCD               | 10               | February/<br>March 2018           | Unit test                        |

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018

Class: B.Sc.

Department of Computer Science

Paper No.: CS01 (I Sem.)

Name of Faculty: Mr. I. S. Inamdar

Paper Name: Computer Fundamentals

| Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|--|--------------------|---------------|--------------------------------|---------|
| 1.       | <b>Fundamentals of Computer System:</b><br>• Introduction., Characteristics & features of Computers, Components of Computers.<br>• Organization of Computer  | Lecture            | 04            | July                           |         |
|          | • <b>Algorithm:</b><br>Definition, Characteristics, Advantages and disadvantages, Examples   | Lecture            | 01            | August                         |         |
|          | <b>Flowchart:</b><br>Definition, Define symbols of flowchart, Advantages and disadvantages<br>Examples   | Lecture            | 05            | September                      |         |
|          | • <b>Generation of Computers :</b><br>First to Fifth, Classification of Computers, Distributed & Parallel computers  | Lecture            | 01            | September                      |         |
| 2.       | Computer Languages<br>Types of Programming Languages<br>o Machine Languages<br>o Assembly Languages<br>o High Level Languages<br>Assembler, Linker, Loader, Interpreter & Compiler   | Lecture            | 02            | November                       |         |
|          | Memory Cell & Organization<br>Types of Memory (Primary And Secondary) RAM, ROM,PROM,EPROM,<br>Secondary Storage Devices ( FD, CD, HD, Pen drive, DVD, Tape Drive, DAT )  | Lecture            | 13            | July                           |         |
| 3.       | • Input Devices :<br>o Touch screen , OMR, OBR , OCR, Light pen<br>• Output Devices :<br>o Scanners, Digitizers, Plotters, LCD, Plasma Display, Printers,<br>Structure of Instruction,<br>Description of Processor, Processor, Features, RISC & CISC | Lecture            | 03            | August                         |         |



**Operating system Concepts**


Why Operating System

- Functions of Operating System
- Types of Operating System
  - o Batch O.S.
  - o Multiprogramming O.S.
  - o Time Sharing O.S
  - o Personal Computers O.S.
  - o Network O.S.

Lecture

12

September

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018

Class: B.Sc.

Department of Computer Science

Name of Faculty: Mr. I. S.

Inamdar

Paper No.: CS05 (II Sem.)

Paper Name: Programming in C

| Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|--|--------------------|---------------|--------------------------------|---------|
| 1.       | <b>Introduction:</b><br>An Overview of C ,<br>History of C language,<br>C as a Structured Language, Features of C.   | Lecture            | 04            | July                           |         |
| 2.       | Basic Elements & Operators<br>• Character set, C Token, Identifier & Keywords, Variables<br>• Constant and its types. Integer constant, floating point constant, character constant,<br><br><b>String constants.</b><br>• Operators: Arithmetic, Relational, And Logical, Unary operators: Increment & decrement Assignment and Conditional operator.<br>• Precedence & Associativity of Operators | Lecture            | 10            | August                         |         |
| 3.       | <b>Data Types</b><br>• Data Types: int, char, float, double. Declaration & Initialization.<br>• Type modifiers: long, short, signed and unsigned   | Lecture            | 03            | September                      |         |
| 4        | <b>Structure of C Program:</b><br>Compilation & Execution of C program, I/O: Introduction, Formatted Input/Output function: scanf & printf, Escape sequence characters. Library functions: General used & Mathematical.  | Lecture            | 05            | September                      |         |
| 5        | <b>Control and Iterative Statements :</b><br>Simple if, nested if, if-else, else if ladder   | Lecture            | 08            | October                        |         |

|   |         |    |          |  |
|---|---------|----|----------|--|
| <ul style="list-style-type: none"> <li>• Switch-case statement</li> <li>• The conditional expression (? : operator)</li> <li>• while and do-while loop, and for loop</li> <li>• break &amp; continue statement, goto statement</li> </ul>   |         |    |          |  |
| <p>6</p> <p><b>Arrays:</b><br/>Introduction, Declaration and initialization Accessing array elements, Memory representation of array.</p> <ul style="list-style-type: none"> <li>• One dimension and multidimensional arrays, character array, Introduction to string</li> </ul> <p><b>Functions</b><br/>Introduction, types of functions. Defining functions, Arguments, Function prototype, actual parameters and formal parameters, Calling function, Returning function results, Call by value, Recursion</p> | Lecture | 12 | November |  |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018

Class: B.Sc.

Department of Computer Science

Name of Faculty: Mr. I. S. Inamdar

Paper No.: CS07 (III Sem.)

Paper Name: Advance C Programming

| Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|---|--------------------|---------------|--------------------------------|---------|
| 1.       | <b>Functions</b><br>Introduction, types of functions. Defining functions, Arguments, Function prototype, actual parameters and formal parameters, Calling function, Returning function results, Call by value, Recursion.<br><b>Structure &amp; Union</b><br>Structure: Introduction, Declaration and initializing structure, Accessing structure members, Nested structures, Arrays of structure, typedef statement.<br>Unions: Declaration, Difference between structure and union  | Lecture            | 12            | July                           |         |
| 2.       | <b>Pointers:</b><br>Introduction, Memory organization. Declaration and initialization of pointers. The pointer operator * and &, De-referencing, Pointer expression and pointer arithmetic, Pointer to pointer.<br><b>Storage Class &amp; Library Functions:</b><br>Storage classes, Scope, visibility and lifetime of variable, block and file scope, auto, extern, static and register storage classes.<br>String handling functions: strcpy(), strcmp(), strcat(), strlen(),strupr(), striwr(), gets(), puts()<br><b>Data conversion functions from stdlib.h:</b><br>atoi(), atol(), atof(), itoa(), Itoa(), random(), calloc(),malloc(),exit(), abs(), toupper(), tolower() | Lecture            | 15            | August<br>Sptember             |         |

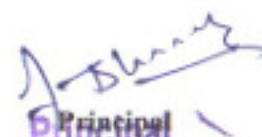
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|----|---|---------|----|---------|
|    | <b>Preprocessor Directives:</b><br>File inclusion and conditional compiler directives, Macro substitution, #define, Wif, #ifdef, #else, #elif, #endif   |         |    |         |
| 3. | <b>File handling:</b><br>Introduction, Opening & closing a file, Input/Output operations on files, text and binary files, getc(), putc() function. File copy program, fprintf() and fscanf(). fread() and fwrite() function. Writing and reading records from binary file, Appending, modifying and deleting a record from file, Random access functions fseek(), rewind(), flushall(), remove(), rename(). Command line arguments: use of arge and argv. Graphics in C:<br>Introduction: initgraph() and detectgraph() function, Drawing object in C, Line, Circle, Rectangle, Ellipse, Changing foreground & background colors, Filling object by color, outtextx() function. | Lecture | 15 | October |



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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018

Class: B.Sc.

Department of Computer Science

Paper No.: CS09 (III Sem.)


Name of Faculty: Mr. I. S. Inamdar

Paper Name: Adv C Programming(Practical)

| Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|---|--------------------|---------------|--------------------------------|---------|
| 1.       | Write a Program in C to call by reference to swap a number.                           | Demonstration      | 06            | June and July                  |         |
| 2.       | Write a Program in C to pass a array to function.                                     | Demonstration      | 03            | July                           |         |
| 3.       | Write a Program in C to demonstrate a storage of class.                               | Demonstration      | 03            | August                         |         |
| 4.       | Write a Program in C for reading and writing a file                                   | Demonstration      | 03            | August                         |         |
| 5        | Write a Program in C for passing structure pointer to function (use arrow pointer)    | Demonstration      | 06            | September                      |         |
| 6        | Write a Program in C to copy content of one file to another                           | Demonstration      | 06            | September                      |         |
| 7        | Write a Program in C for reading/ writing binary file                                 | Demonstration      | 03            | September                      |         |
| 8        | Write a Program in C for file copy  | Demonstration      | 03            | October                        |         |
| 9        | Write a Program in C to use command line arguments                                    | Demonstration      | 06            | October                        |         |
| 10       | Write a Program in C to writing, reading content of file (use getc and putc function) | Demonstration      | 06            | October                        |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018

Class: B.Sc.

Department of Computer Science  
Paper No.: CS011 (IV Sem.)

Name of Faculty: Mr. I. S. Inamdar  
Paper Name: Programming in C++

| Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|---|--------------------|---------------|--------------------------------|---------|
| 1.       | <b>Procedural Vs Object Oriented Programming.</b><br>Basic concepts of Object Oriented Programming, Class, Object, Data Abstraction, Encapsulation, Inheritance, Polymorphism, Dynamic Binding, Message Passing. Benefits and applications of OOP, History and overview of C++, C++ program structure. Reference variables, Scope resolution operator, Member de-referencing operators, new and delete, cin and cout, The endl and setw manipulator.<br><b>Functions in C++:</b><br>Function prototype, Call by reference (using reference variable), Return by reference, Inline function, Default arguments, Const arguments. | Lecture            | 15            | October,<br>November           |         |
| 2.       | <b>Function overloading:</b><br>Different numbers and different kinds of arguments<br><b>Objects and Classes:</b><br>Specifying a class, private and public, Defining member functions, Nesting of member function, Object as data types, Memory allocation for objects, static data members and member functions. Array of objects, Objects as function argument, returning objects, Friend function and its characteristics.  | Lecture            | 15            | December<br>January            |         |

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| <p>3. <b>Constructors and Destructors:</b><br/> Introduction, default and parameterized constructors,<br/> Multiple constructors in a class, Copy Constructor, Destructors<br/> <b>Operator Overloading:</b><br/> Overloading unary operators,<br/> Rules for operator overloading, Overloading without<br/> friend function and using friend function,<br/> Overloading binary operators such as arithmetic and relational operators,<br/> Concatenating</p> | Lecture | 13 | February |  |
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018

Class: B.Sc.

Department of Computer Science

Paper No.: CS013 (IV Sem.)

Name of Faculty: Mr. I. S. Inamdar

Paper Name: Programming in CPP (Practical)

| Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|---|--------------------|---------------|--------------------------------|---------|
| 1.       | Write a Program in C++ to prepare student result          | Demonstration      | 6             | October                        |         |
| 2.       | Write a Program in C++ for reference variable             | Demonstration      | 5             | October                        |         |
| 3.       | Write a Program in C++ for setw() function                | Demonstration      | 6             | November                       |         |
| 4.       | Write a Program in C++ to demonstrate inline function     | Demonstration      | 6             | December                       |         |
| 5.       | Write a Program in C++ for object and class               | Demonstration      | 6             | January                        |         |
| 6.       | Write a Program in C++ to implement function overloading. | Demonstration      | 6             | January                        |         |
| 7.       | Write a Program in C++ to use of array of object          | Demonstration      | 6             | January                        |         |
| 8.       | Write a Program in C++ to use of friend function          | Demonstration      | 5             | February                       |         |
| 9.       | Write a Program in C++ to use of constructor              | Demonstration      | 5             | February                       |         |
| 10.      | Write a Program in C++ to use of destructor               | Demonstration      | 3             | February                       |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018

Class: B.Sc

Department of Computer Science

Paper No.: CS16 (V Sem.)

Name of Faculty: Mr. I. S. Inamdar

Paper Name: Web Designing

| Unit No. | Title / Subject  | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|--|--------------------|---------------|--------------------------------|---------|
| 1.       | <b>Introducing HTML5</b><br>Understanding HTML, XHTML, and HTML5, Introducing semantic markup, Syntax, Attributes, Working with elements, Creating an HTML document, Embedding content, Embedding HTML by using inline frames, Working with hyperlinks, Adding images to your HTML document, Embedding plug-in content <b>Advances of HTML5</b><br>HTML5 Layout container, Format using <div> element, Working with Tables: creating regular and irregular tables, heading, columns and rows, captions, header, footer.  | Lecture            | 15            | July<br>August                 |         |
| 2.       | <b>Introducing JavaScript</b><br>Basic of JavaScript, JavaScript Variables, Operators & Its Precedence, Special Values, Predefined Built-in functions, Functions Declaration & Call, String Functions<br>Conditions and looping structure, Inline JavaScript & External JavaScript<br><b>Advances in JavaScript</b><br>Object in JavaScript, Concept of array, how to use it in JavaScript, types of an array, array methods DOM Concept in JavaScript, DOM Objects, DOM Search Methods Event handling in JavaScript: Capturing & Bubbling, Subscribing, Unsubscribing and Cancelling Event, Windows Event, Keyboard and Mouse Events. | Lecture            | 15            | August<br>september            |         |
| 3.       | <b>Cascading Style Sheet</b><br>Introduction to CSS3, Defining and Applying a Style, Inline, Embedded and External Style Sheet. Selectors: element, id and class selector, grouping selector, attribute, Specificity and cascading, CSS properties: Color, box Model, border, , float, clear   | Lecture            | 15            | September<br>October           |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018

Class: B.Sc.

Department of Computer Science

Paper No.: CS18 (V Sem.)

Name of Faculty: Mr. I. S. Inamdar

Paper Name: Web Designing

| Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|---|--------------------|---------------|--------------------------------|---------|
| 1.       | Create a simple website by using Visual Studio Express  | Demonstration      | 03            | June and July                  |         |
| 2.       | Create additional pages.  | Demonstration      | 03            | July                           |         |
| 3.       | Embedding Content   | Demonstration      | 03            | August                         |         |
| 4.       | Create a webpage using <table> and <div> elements   | Demonstration      | 03            | August                         |         |
| 5.       | Create a webpages using conditional and looping statements.   | Demonstration      | 03            | September                      |         |
| 6.       | Create a calculator webpage   | Demonstration      | 03            | September                      |         |
| 7.       | Create a Webpage to introduce National Bird/Animal/Emblem/ Flower   | Demonstration      | 03            | September                      |         |
| 8.       | Learn more about positioning by adding more <div> elements to the webpage to define a header and footer for the page. Use CSS style rules to set the position | Demonstration      | 03            | October                        |         |
| 9.       | Learn more about CSS selectors by adding more elements to the page and try setting the format by selecting the elements without using an id.                  | Demonstration      | 03            | October                        |         |
| 10       | Learn more about colors by changing the color scheme, using RGB values.   | Demonstration      | 03            | October                        |         |

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2017-2018

Class: B. Sc.

Department of Computer Science  
Paper No.: CS19 (VI Sem.)

Name of Faculty: Mr. I. S. Inamdar  
Paper Name: Data Communication and Networking

| Unit No. | Title / Subject   | Method of Teaching | No. of Period | Duration of Date / Month/ Year | Remarks |
|----------|---|--------------------|---------------|--------------------------------|---------|
| 1.       | <b>Introduction</b><br>Communication System, Components of communication system, Computer network Advantage and applications of computer n/w. point-to-point and multipoint line configuration, LAN, MAN and WAN. Analog and Digital signals, Data Transmission: Parallel and Serial, Synchronous and Asynchronous transmission, Transmission Mode: Simplex, half-duplex and full-duplex. Network Topologies, Mesh, Star, Tree, Bus and Ring and Hybrid Topology (Advantages and disadvantages of each) | Lecture            | 15            | October, November              |         |
| 2.       | <b>Transmission media</b><br><i>Guided and unguided media, Twisted-pair, UTP and STP cable, coaxial cable, Optical Fiber cable, Radio waves, Microwaves, Satellite Communication (Transmission characteristics and advantages of each type)</i><br><b>Modulation &amp; Multiplexing</b><br>Concept of modulation and demodulation, Digital-to-analog conversion, Amplitude Shift Keying (ASK)/AM, Frequency Shift Keying (FSK)/FM, Phase Shift keying (PSK)/PM.   | Lecture            | 15            | December<br>January            |         |
| 3.       | <b>The Mobile Telephone System:</b><br>First Generation (1G), Second Generation(2G), Third Generation(3G), Internet over cable, Spectrum Allocation, cable Modem, ADSL Versus Cable.  | Lecture            | 15            | February                       |         |

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