

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

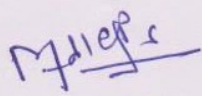
**Academic Planning and Evaluation Committee  
Academic Year 2018-2019**

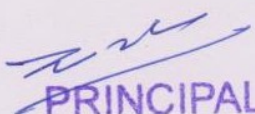
The constituted Academic Planning and Evaluation Committee for the Academic Year 2018-2019 is as under.

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 diary of the faculties.

  
 Co-ordinator  
 Dr. Madhe R.

  
**PRINCIPAL**  
 Shrikrishna Mahavidyalaya  
 Gunjoti Tq. Omerga

# Shrikrishna Mahavidyalaya, Gunjoti

Tq. Omerga, Dist. Osmanabad

## Curricular and extra – curricular activities. Annual Planning Academic year 2018-2019.

15 June 2018	:	Opening day and academic meeting of the staff under Chairmanship of the Principal and beginning of admission process Annual planning of each department.
15 June to 20 June 2018	:	Result Analysis every department wise and college wise
15 June 2018	:	Admission UG and PG
<b>16 June 2018</b>	:	<b>Ramjan Id – (Holiday)</b>
16 June 2018	:	Maharana Pratap Singh Jayanti
18 June 2018	:	Time Table Framing
21 June 2018	:	UG Teaching commencement
25 June 2018	:	Beginning of Lectures at College for PG – II YEAR
26 June 2018	:	Anti-Intoxication Day and celebration of Shahu Maharaj birth Anniversary. (Chemistry / Cultural Dept.)
30 June 2018	:	Report on syllabus progress / DTR Verification
01 July 2018	:	A special programme on the occasion of Agriculture Day (Bot Dept.) / Vasantao Naik Jayanti, Plantation programme
11 July 2018	:	Arrangement of lecture on the occasion of World Population Day on behalf of NSS department / Geography Dept.
13 July 2018	:	Pre-knowledge Test of the newly admitted students by all departments in class
14 July 2018	:	The Principal's address for the students common activities and courses.
20 July 2018	:	Students-parents Meet (by Association) present and Ex students.
22 July 2018	:	A Workshop for the scholarship-holder students (by committee)
<b>23 July 2018</b>	:	<b>Lokmanya Tilak Jayanti Holiday (Collector Office)</b>
25 July 2018	:	NSS Registration / Earn and Learn registration
26 July 2018	:	A lecture on the occasion of Kargil Victory Day (History Dept)
31 July 2018	:	Formation of Students Council as per university guideline or as per date.
31 July 2018	:	Report on syllabus progress /DTR Verification /Eligibility submit date 31 July
<b>01 August 2018</b>	:	<b>Lokmanya Tilak Punyatithi and Annabhau Sathe Jayanti</b>
<b>03 August 2018</b>	:	<b>Krantisinh Nana Patil Jayanti</b>
04 August 2018	:	Opening of associations.
09 August 2018	:	A programme on the occasion of 'Revolution day' (History Dept)
11 August 2018	:	Class wise first test, in respective classes.
14 August 2018	:	One day NSS Camp and selection of students for 'Earn and Learn' scheme
<b>15 August 2018</b>	:	<b>Flag hosting and cleanliness of campus / Plantation</b>
<b>17 August 2018</b>	:	<b>Parsi Nav Varsha Din</b>
20 August 2018	:	Sadbhavana Diwas, Rally by NSS
----- August 2018	:	Opening function of students council. (as per schedule) declared by University
<b>22 August 2018</b>	:	<b>Bakari Eid</b>
<b>23 August 2018</b>	:	<b>'University Foundation Day' arrangement of special programmes in behalf of the departments of NSS and culture activity committee.</b>
28 August 2018	:	Arrangement of lectures by associations.
29 August 2018	:	World Sport Day : Special Programmes by sports dept.
30 August 2018	:	Arrangement of Elocution and Debate competitions and team selection (by literary association) Report on Syllabus progress / DTR verification
<b>03 September 2018</b>	:	<b>Shrikrishna Janmashthami. (Local Holiday)</b>
<b>05 September 2018</b>	:	<b>Teacher's day</b>
07 September 2018	:	Raje Umaji Naik Jayanti
08 September 2018	:	International Literacy Day : NSS Programme Lecture/Rally/ Campaign.
<b>13 September 2018</b>	:	<b>Ganesh Chaurthi</b>
14 September 2018	:	Hindi Day (by Hindi dept) special programme.
<b>17 September 2018</b>	:	<b>Marathwada Liberation Day, Special programme. (Holiday)</b>
19 September 2018	:	Conduct of collegiate Story Narration and Poetry Reading competitions. (English and Marathi Dept)
<b>20 September 2018</b>	:	<b>Moharam (Holiday)</b>
---- September 2018	:	Arranging the camps of Competitive Examinations and Vocational Guidance

		(Competitive exam / career guidance cell)
24 September 2018	:	NSS Day (by NSS Unit) special lecture
25 September 2018	:	<i>Pandit Dindayal Upadhyaya Jayanti</i>
29 September 2018	:	Expert guidance under various associations of the college by committee
----- September 2018	:	Report on syllabus Progress / DTR Verification
<b>02 October 2018</b>	:	<b>Programmes on the occasions of birth anniversaries of Mahatma Gandhi and Lal Bahadur Shastri / Gandhian Studies Center</b>
15 October 2018	:	<i>Dr.A.P.J.Abdul Kalam Jayanti</i>
<b>18 October 2018</b>	:	<b>Dasara (Holiday)</b>
24 October 2018	:	<i>Maharshri Valmiki Jayanti</i>
<b>09 Oct. 30 Oct 2018</b>	:	<b>End term Examination</b>
<b>31 October 2018</b>	:	<b>Indira Gandhi Punayatithi, Vallabhabhai Patel Jayanti, Rashtriya Ekta Divas</b>
05 Nov. To 25 Nov. 2018	:	Period of Winter Vacation / Study Tour
07 November 2018	:	Dipawali / Laxmipujan ( <b>Holiday</b> )
08 November 2018	:	Balipratipada ( <b>Holiday</b> )
09 November 2018	:	Bhaubij ( <b>Holiday</b> )
14 November 2018	:	<i>Pandit Jawaharlal Nehru Jayanti</i>
15 November 2018	:	<i>Birsa Munda Jayanti</i>
19 November 2018	:	<i>Indira Gandhi Jayanti, Rashtriya Ekatmata Din</i>
21 November 2018	:	<b>Id-Milad</b>
<b>23 November 2018</b>	:	<b>Guru Nanak Jayanti (Holiday)</b>
26 November 2018	:	Sanvidhan Din
30 November 2018	:	Report on Syllabus Progress / DTR Verification
01 December 2018	:	Street Play and Awareness Rally on the occasion of World AIDS Day (NSS Unit)
<b>12 December 2017</b>	:	<b>World Consumer Day : Conduct of Programmes (History Dept)</b>
11 & 12 December 2018	:	Conduct of the Third Test at the respective classes.
18 December 2018	:	National Integration Day : Conduct of various programmes (Pol.Sci. Dept)
18-24 December 2018	:	NSS Camp or as per university guidelines
<b>25 December 2018</b>	:	<b>Christmas (Holiday)</b>
31 December 2018	:	Report on Syllabus Progress
<b>December third week</b>	:	<b>Avishkar</b>
03 January 2019	:	<i>Savitribai Phule Jayanti</i>
12 January 2019	:	<i>Birth Anniversary of Vivekanand</i> : Arrangement of Programmes (NSS and Vivekanand Studies Center)
<b>14 January 2019</b>	:	<b>Lectures on the occasion University Renaming Day.</b>
<b>26 January 2019</b>	:	<b>Republic Day</b> : Flag hosting and conduct of other programmes on nationality
28 January 2019	:	Convening subject-wise seminars in class
30 January 2019	:	Death Anniversary of Mahatma Gandhi : Various Programmes
30 January 2019	:	Report on Syllabus Progress / DTR Verification
05-07 February 2019	:	Annual Gathering Function as per schedule
19 February 2019	:	<b>Birth Anniversary of Chhatrapati Shivaji Maharaj: Various Programmes</b>
27 February 2019	:	Marathi as Official Language Day : Programmes on behalf of the Dept. of Marathi
28 February 2019	:	World Science Day : Various Scientific Programmes (Physics /Comp. Dept) ( <b>Sunday</b> )
28 February 2019	:	Report on Syllabus Progress / DTR Verification
01-10 March 2019	:	Local Preliminary Examinations / Fourth unit test
<b>04 March 2019</b>	:	<b>Mahashivratri (Holiday)</b>
08 March 2019	:	World Women's Day : Special Program Women development committee
16 Mar – 20 April 2019	:	Conduct/plan of University Annual Examination, as per schedule
17 March 2019	:	World Physically Challenged Day (Geography Dept)
<b>18 March 2019</b>	:	<b>Gudi Padwa (Holiday)</b>
<b>21 March 2019</b>	:	<b>Dhulivandan (Holiday)</b>
31 March 2019	:	Report on Syllabus Progress / DTR Verification
07 April 2019	:	World Health Day : Special Programmes (Zoology Dept)
<b>11 April 2019</b>	:	<b>Mahatma Phule Jayanti</b>
14 April 2019	:	<i>Dr.Babasaheb Ambedkar Birth Anniversary : Special Programmes</i>

<b>19 April 2019</b>	<b>:</b>	<b>Good Friday (Holiday)</b>
23 April 2019	:	Submission of DTR, API, Self Appraisal, Report on Syllabus completion, Meeting of the Staff.
02 May to 14 June 2019	:	Summer Vacation.
01 May 2019	:	Maharashtra Day;
15 June 2019	:	Opening Day of 2019-20 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 2018-2019

<b>First Term</b>		
1.	Opening Day of Affiliated Colleges and Recognized Institutions as per the Provisions of Ordinance-169	15-06-2018
2.	First Term (Both days inclusive)	15-06-2018 to 03-11-2018
3.	Admission of P.G. Courses (III Semester) and U.G. Classes (III & V Semester)	15-06-2018 to 30-06-2018
4.	Commencement of P.G. Classes (III Semester) and U.G. Classes (III & V Semester)	02/07/2018
5.	Notification of Common Entrance Test.	As per schedule
6.	Registration of CET Examination	As declared by University
7.	Conduction of CET Examination : P.G. Courses (excluding CET Exam conducted by Central Govt. And State Govt. ) Complete the admission process	As per university schedule
8.	Commencement of Classes of First Semester U.G. III, V Semester	25/07/2018
9.	Submission of Eligibility Forms by the students at college.	30-07-2018
10.	Welcome address and introduction of C.B.C. and G.S. (U.G. Students)	16/07/2018
11.	Last date for submission of Eligibility Forms by College to University	16-08-2018
12.	Winter Vacation (Both days inclusive)	05-11-2018 to 25-11-2018
13.	Re-opening of College	26-11-2018
14.	Term End Examination (I, III, V Semester)	09/10/2018 to 30/10/2018
<b>Second Term</b>		
15.	Second Term (Effective Teaching Period) (Both days inclusive)	26-11-2018 to 01-05-2019
16.	Commencement of classes for all courses	26/11/2018
17.	Declaration of Result First Term End Examination	30/11/2018
18.	Declaration of Term end Examination Programme	16/03/2019
19.	Declaration of the Result of Second Term end Examination	01-06-2019
20.	Term End Examination (II, IV VI Semester)	As per schedule 16/03/2019 to 20/04/2019
21.	Summer Vacation (Both days inclusive)	02-05-2018 to 14-06-2019
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 2018-2019.

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Tq. Omerga Dist. Osmanabad  
Teaching Days Calendar 2018-19

Sr. No.	Months	Teaching Days	Total Days	Sunday	Holiday
<b>First Term – 15 June 2018 to 04 November 2018</b>					
1	June	-	-	17,24	16
2	July	2,3,4,5,6,7,9,10,11,12,13,14,16,17, 18,19,20,21,24,25,26,27,28,30,31	25	1,8,15,22, 29	23
3	August	1,2,3,4,6,7,8,9,10,11,13,14,16,18,20, 21,23,24,25,27,28,29,30,31	24	5,12,19,26	15,17,22, 23
4	September	1,4,5,6,7,8,10,11,12,14,15,18, 19,21,22,24,25,26,27,28,29	21	2,9,16,23, 30	3,13,14, 20
5	October	1,3,4,5,6,8,9,10,11,12,13,15,16, 17,19,20,22,23,24,25	20	7,14,21,28	2,18
6	November	-	-		
<b>Total</b>			<b>90</b>		
First term - Total working days 111,      Total teaching days 90,      Total exam days 15 Total Admission days - 25					
<b>Winter Vacation 05 November 2018 to 25 November 2018</b>					
<b>Second Term – 26 November 2018 to 30 April 2019</b>					
7	November	26,27,28,29,30	05	-	-
7	December	1,3,4,5,6,7,8,10,11,12,13,14,15,17,18, 19,20,21,22,24,26,27,28,29,31	25	2,9,16,23, 30	25
8	January	1,2,3,4,5,7,8,9,10,11,12,15,16,17,18,1 9,21,22,23,24,25,28,29,30,31	25	6,13,20,27	14,26
9	February	1,2,4,5,6,7,8,9,11,12,13,14,15,16,18,2 0,21,22,23,25,26,27,28	23	3,10,17,24	19
10	March	1,2,5,6,7,8,9,11,12,13,14,15	12	3,10	4
<b>Total</b>			<b>90</b>		
Second term - Total working days 126,      Total teaching days 90,      Total exam days 30					
<b>Second Term Examinations 16 March 2019 to 30 April 2019</b>					
<b>Summer Vacation 02 May 2019 to 14 June 2019</b>					
Total Working Days		= 237	31 Weeks for Teaching		
Total Teaching Days		= 180	12 Weeks for Admission & Examination		
Examination Days		= 45	10 Weeks for Vacation		
Curricular and Extra curricular activities = 35			02 Weeks for Holiday		
Winter vacation days		= 21			
Summer Vacation Days		= 44			



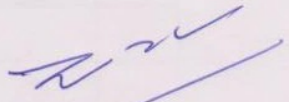
## SHRIKRISHANA MAHAVIDYALAYA GUNJOTI

Tal.Omerga, Dist.Osmanabad

Date : 20.07.2018

### NOTICE

All the teaching Staff Members of our College is informed that the Daily Teaching Reports, Attendance, Academic Calendar for 180 days, Teaching Day Calendar and Annual Teaching Plan for the Academic Year 2018 -2019 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 25 July 2018.**

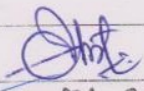
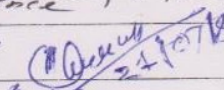
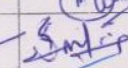

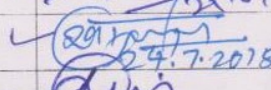
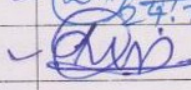
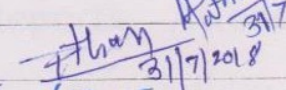
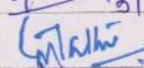
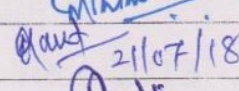
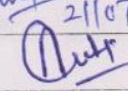
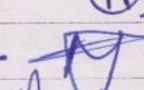
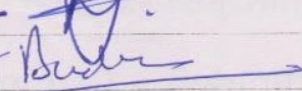
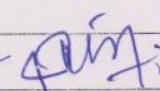
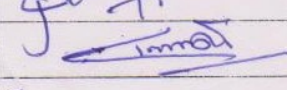
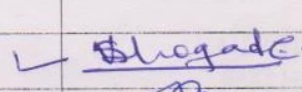

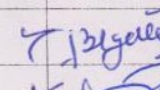
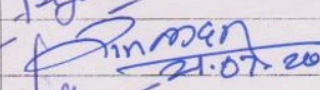

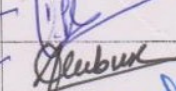
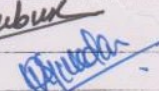
  
Principal

**PRINCIPAL**  
Shrikrishna Mahavidyalaya  
Gunjoti Tq. Omerga

2018-2019

# श्रीकृष्ण महाविद्यालय, गुंजोटी

ता. उमरगा, जि. उस्मानाबाद

अ. क्र	कार्यरत शिक्षकाचे नाव	
१	डॉ. डी. आर. कुलकर्णी	
२	श्री. एच. एस. भासले	
३	डॉ. बी. ई. कोनाळे	Attendance sheet received all female 21/07/18
४	श्री. पी. जी. चौधरी	✓  21/07/18
५	डॉ. एम. टी. सुर्यवंशी	✓ 
६	डॉ. के. एस. लोहार	✓  21.07.18
७	डॉ. एम. सी. खोत	✓  24.7.2018
८	श्री. आर. जी. कोळी	✓ 
९	डॉ. एस. एम. पतंगी	
१०	डॉ. डी. एम. पठाण	✓  31/7/2018
११	डॉ. जी. एम. राटोड	✓ 
१२	श्री. पी. एस. राऊत	✓  21/07/18
१३	डॉ. कु. ए. एम. चिखो	✓ 
१४	श्री. एन. जे. पवार	✓ 
१५	श्री. एस. एस. बडोदकर	✓ 
१६	श्री. ए. आर. काळराते	
१७	डॉ. जे. ए. नन्नवरे	✓ 
१८	श्री. आर. एन. निगडे	✓ 
१९	डॉ. आर. एस. मादळे	✓
२०	डॉ. आर. डी. पाजे	
२१	डॉ. व्ही. एस. होगडे	✓ 
२२	श्री. वाय. ए. विजापूर	
२३	डॉ. बी. जे. उगल	✓ 
२४	डॉ. आर. एच. वरम	✓  21.07.2018
२५	डॉ. डी. पी. चव्हाण	✓ 
२६	डॉ. एम. जी. अंबुते	✓ 
२७	डॉ. नामदास भास्कर	✓ 

PRINCIPAL

Shrikrishna Mahavidyalaya  
Gunjoti Tq. Umarga



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Murachly 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 ५५ मराठी  
Name Of Faculty : Chavalthuraj P.G.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark	
1	साहित्यिक रसज्ञान - महर्षिनाम	व्याख्या	03	Jul - June		
2	अर्जुनसम - राजा वृष्णि	"	03	}		
3	शकुनी कथने - रामचंद्रपुत्र अमाल्य	"	03		July	
4	विषाणु आणुकी रस जाकी - वक्रवर्गीय	"	03			
5	गुणी शकुनीकाले वाणी - लारावर्षि शिंदे	"	03			
6	परमेश्वरचे कथन - श्री-म. मोरे	"	03			
7	धुली आणुकी रस - मधुकराय	"	03			
8	कथन वृष्णि - राजा वृष्णि	"	03		Aug.	
9	आर्जुने कथने - राजा वृष्णि	"	03			
10	भाषा वृष्णीक मराठी - पांडुर शिंदे	"	03			
11	धुलीकथने - राजा वृष्णि	"	03			
12	पांडुरावर्षि - राजा वृष्णि	"	03			
13	आणुकीकथने - राजा वृष्णि	"	03		Sept.	
14	वेद्य कथने मा गोपीकथने - राजा वृष्णि	"	03			
15	मग करारे धुली - राजा वृष्णि	"	03			
16	वृष्णीकथने - राजा वृष्णि	"	03			

Signature of Faculty  
Chavalthuraj P.G.

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

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

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

Semester : \_\_\_\_\_ Paper No : \_\_\_\_\_ Paper Name : \_\_\_\_\_

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
17	शाकायुद्धी वृक्ष - अलक्षणा	04/20/17	03	540.	
18	केशव विष्णुप विष्णु	11	03		
19	विश्व चिंत	11	02		
20	पत्र लेखन	11	02		
21	नायगर्	11	02		
	द्वितीय भाग				
1	शिवचे कर्म - गाडगे बाबा	04/20/17	03	600 / 1100	
2	देशाचे नाविलय - बाबासाहेब आंबेडकर	11	03		
3	लोकनाय विच शागनाय - चंद्रांगराय चव्हाण	11	03		
4	कोवळे मरण - आळयेंगे नेमाड	11	03		
5	विष्णु शागराय - इंदोरे	11	03		
6	शुद्ध - महादेव गाडगेबाबा	11	03		
7	कर्मयोग - म. फुले	11	03		
8	विहीराय - आळयेंगे	11	03		
9	नय महादेव गाडगे - इंदोरे गा	11	03		

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga, Dist. Solapur



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M.Sc. I<sup>st</sup> year  
 Semester : I Paper No : SR-I / 15 Paper Name : हादी २३-४३ ५-४३६  
 Name Of Faculty : Chandhokar P. U

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
10	आदि - ज्ञान	पर्यावरण	०३	Dec.	
11	विशेष - कीर्तन वृत्त	"	०३		
12	हादी चरित्राची वि. चरित्र - अज्ञान कोण	"	०३		
13	विशेष - केशव महाराज	"	०३		
14	अज्ञानाची शिष्ट - शिष्टाची शिष्टा	"	०३		
15	अज्ञानाची शिष्टा - अज्ञान शिष्टा	"	०३		
16	वि. - अज्ञान शिष्टा	"	०३		
17	वि. अज्ञान शिष्ट - अज्ञान शिष्टा	"	०३		Jan / Feb.
18	वि. अज्ञान शिष्ट	"	०३		
19	अज्ञान शिष्ट	"	०२		
20	अज्ञान शिष्ट	"	०२		
21	अज्ञान शिष्ट	"	०२		

Signature of Faculty

Principal  
 Shrikrishna Mahavidyalaya, Gunjoti  
 Tq. Omurga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Muratti Class : B.A./B.Sc. / M.A./ M.Sc. I<sup>st</sup> year.

Semester : I Paper No : II Paper Name : मल्याय शास्त्र

Name Of Faculty : P.Y. Chaudhari

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1	मल्याय शास्त्र, सिद्धि मरिचिका शास्त्र माला लोच - शंकर गणेश विचार	पठन	10	५/११/१८	
2	शुद्धी शास्त्र हो - ज्योती महापत्रक.	11	15	५/११/१८	
3	कृष्ण - श.श. कौटिल्य	11	15	५/११/१८	
4	शास्त्र कल्प - वायु वेद	11	15	५/११/१८	

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omurga Dist. Chamanabad





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science

Department : Marathi

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

Semester : III

Paper No : V

Paper Name : आधुनिक मराठी वाङ्मयाची शैली

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	आधुनिक मराठी वाङ्मयाची शैली	परिचय			
1.1.	शैलीची संकल्पना आणि रचना	"	01	५/११	
1.2	शैली आणि वाक्य	"	02	"	
1.3	शैली आणि शब्द	"	"	"	
1.4	शैली आणि सामाजिक संदर्भ	"	"	५/१२	
1.5	शैलीचा विकास	"	"	"	
1.6	शैली आणि मंडळी व शैलीची मंडळी	"	"	"	
1.7	शैली आणि लेखकांच्या चरित्रांची	"	"	"	
1.8	शैली आणि लेखकांच्या चरित्रांची	"	"	"	
2.	शैली आणि लेखकांच्या चरित्रांची	"		"	
2.1	शैली आणि लेखकांच्या चरित्रांची	"	05	"	
2.2	शैली आणि लेखकांच्या चरित्रांची	"	"	५/१२	
2.3	शैली आणि लेखकांच्या चरित्रांची	"	"	"	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq.Omerga Dist.Osmanabad





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Maestriy Class : B.A./B.Sc. / M.A./ M.Sc. II Year  
 Semester : III Paper No : ✓ Paper Name : ଆର୍ୟ୍ୟ ବିଦ୍ୟାଳୟ ଗୁଞ୍ଜୋତି ସ୍ତରୀୟ  
 Name Of Faculty : Chandelhari P.V.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
3	କଥା ପାଠ୍ୟପୁସ୍ତକ ସମ୍ବନ୍ଧୀୟ ଆଲୋଚନା	ଚର୍ଚ୍ଚା			
3.1	ମାନବ ସମ୍ବନ୍ଧ	"	05	ସିଡିଏ	
3.2	ଆଲୋଚନା ବିଷୟରେ ପାଠ୍ୟପୁସ୍ତକ	"	05	"	
3.3	କଥାପୁସ୍ତକ ପାଠ୍ୟପୁସ୍ତକ	"	05	"	
4	କାବ୍ୟର ବିଶେଷତା : ସମ୍ବନ୍ଧୀୟ ଆଲୋଚନା	"	05	କାବ୍ୟ	
4.1	କାବ୍ୟର ବିଶେଷତା - ଗଳ୍ପ ଓ କବିତା	"	05	"	
4.2	କାବ୍ୟର ବିଶେଷତା - କବିତା ଓ ଗଳ୍ପ	"	05	"	

Signature of Faculty  
*Chandelhari P.V.*

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omega Dist. Odisha  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M.Sc. II years.  
 Semester : IV Paper No : VIII Paper Name : अर्थशास्त्र शास्त्राचा इतिहास  
 Name Of Faculty : Chandrasekhar P. U.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I.	शास्त्राचा इतिहास	स्वयंप्रवृत्त	20	15/08/2018	
1.1	परिचय व विभाग				
1.2	शास्त्राचा ऐतिहासिक विकास				
1.3	शास्त्राचा शास्त्राचा इतिहास : प्रारंभिक				
1.4	शास्त्राचा ऐतिहासिक विकास : शास्त्राचा इतिहास				
2	शास्त्र	स्वयंप्रवृत्त	20	15/08/2018	
2.1	शास्त्राचा ऐतिहासिक विकास				
2.2	शास्त्राचा ऐतिहासिक विकास				
3	शास्त्र-परिचय/परिचय		20	15/08/2018	
3.1	शास्त्राचा ऐतिहासिक विकास - परिचय				
3.2	शास्त्राचा ऐतिहासिक विकास - परिचय				

Signature of Faculty

Principal  
 Shrikrishna Mahavidyalaya, Gunjoti  
 Tq. Omarga Dist. Chandrapur



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Masculine Class : B.A./B.Sc. / M.A./ M.Sc. III year  
 Semister : V Paper No : X Paper Name : History  
 Name Of Faculty : Chandhokti P. V.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	मातृदेव सदाप्य	व्युत्पत्ति	03	June	
I-1	व्युत्पत्ति	"	"		
I-2	वैशेषिक	"	"		
I-3	संगण - तंत्रसंगण	"	"		
I-4	संकेत सभा	"	"	July	
2	संकेत विचार	"	"		
2-1	संकेतसंगण	"	"		
2-2	संकेतसंगण	"	"		
2-3	विशेषिक	"	"	Aug.	
2-4	वैशेषिक	"	"		
3	संकेत विचार	"	"		
3-1	संकेतसंगण	"	"		
3-2	विशेषिक	"	"	Sept.	
3-3	संकेत	"	"		

Chandhokti P. V.  
Signature of Faculty

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



# 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. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
3.4	સ્વરૂપ અને સ્વભાવ	સ્વરૂપ	01	21/10/19	I
3.5	સ્વરૂપ અને સ્વભાવ	"	01		I
4	સ્વરૂપ અને સ્વભાવ	"	04		I
4.1	સ્વરૂપ અને સ્વભાવ	"	04		I
4.2	સ્વરૂપ અને સ્વભાવ	"	04	oct-	I
4.3	સ્વરૂપ અને સ્વભાવ	"	04		I
5	સ્વરૂપ અને સ્વભાવ	"	07		I
5.1	સ્વરૂપ અને સ્વભાવ	"	03		I

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omega Dist. Dhamerabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Mahatma Class : B.A./B.Sc. / M.A./ M.Sc. III  
 Semester : VI Paper No : XIV Paper Name : સામાજિક વાર્તા  
 Name Of Faculty : \_\_\_\_\_

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I.	સામાજિક વાર્તાના સ્તંભ	24/2019	04	Nov	
I.1	સામાજિક વાર્તા		04		
I.2	વિસ્મયકારી		04		
I.3	કૃતક		03	Dec	
2	સામાજિક વાર્તા		03		
2.1	સામાજિક વાર્તા		03		
2.2	સામાજિક વાર્તા		03	Jan	
2.3	સામાજિક વાર્તા		03		
2.4	સામાજિક વાર્તા		03		
3	સામાજિક વાર્તા		02		
3.1	સામાજિક વાર્તા		02		
3.2	સામાજિક વાર્તા		02		
3.3	સામાજિક વાર્તા		02		
3.4	સામાજિક વાર્તા		02		

Mahatma  
Signature of Faculty

[Signature]  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq.Omarga Principalanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

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

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
3-5	चेलनागुणोक्ती	०५/२०५/११	०२	Jan	
3-6	राम्योक्ती	॥	०१		
3-7	श्वनायोक्ती	॥	०१		
4	शेधी	॥			
4.1	श्वर शेधी	॥	०५		
4.2	व्योम शेधी	॥	०५	Feb.	
4.3	विपरीत शेधी	॥	०५		
5	निबंध	॥			
5.1	वाङ्मयीन निबंध	॥	०६	Mat.	
5.2	वैचारिक निबंध	॥	०६		

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M.Sc. III  
Semester : V / VI Paper No : XV / XVI Paper Name : अभ्यास  
Name Of Faculty : P.N. Chavhan

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	<u>अभ्यास - V sem.</u>	<u>शुद्ध</u>	60	<u>Jan / Oct.</u>	
2.	<u>अभ्यास - VI sem</u>	<u>शुद्ध</u>	60	<u>Nov / Mar.</u>	

Signature of Faculty P.N. Chavhan

Principal [Signature]

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Tq. Omerga Dist. Osmanabad

## Academic Calendar for Teaching 180 Days

Academic Year: 2018-19

Department: Marathi

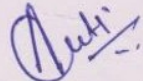
Name of Faculty Member: CHISHTI A.M.

Term	Month	Teaching Days	Theory Periods	Practical Periods	Total Periods
First Term	June	—	—	—	
	July	25	86	—	86
	August	24	81	—	81
	September	21	72	—	72
	October	20	82	—	82
	Total 1	90	321	—	321
Second Term	November	05	18	—	18
	December	25	79	—	79
	January	25	89	—	89
	February	23	80	—	80
	March	12	42	—	42
	Total 2	90	308	—	308
	Total 1 + 2	180	629	—	629

Total Teaching Days : 180

Total Theory Periods : 629

Total Practical Periods : Nil

  
Signature of Faculty Member





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M/Sc.  
 Semester : I Paper No : I (opt) Paper Name : काव्यात्म साहित्य  
 Name Of Faculty : A-M. CHISHTI

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
①	निवडक कवींच्या कवितांचा अभ्यास केशवसुत - ① कोणीकडून ए कोणीकडे ? ② मूर्तिभजन ③ नुतारी ④ कविता आणि कवी ⑤ प्रीति.	व्याख्यान	10	02 जुलै 2018 ते 12 जुलै 2018	
②	बाहिणाबाई चौधरी - ① मन ② संसार ③ उगवले नारायण ④ खोवा ⑤ हिरीतस्यं देनं द्येगं	व्याख्यान	10	13 जुलै 2018 ते 25 जुलै 2018	
③	कुसुमाग्रज - ① सात ② माळाचे मनोगत ③ स्वप्नांची समाप्ती ④ अजबथाभा ⑤ अर्वात्मिका शिवसुंदरा	व्याख्यान	10	26 जुलै 2018 ते 06 ऑगस्ट 2018	
④	नारायण सुर्वे - ① दोन दिवस ② मनी ऑर्डर ③ कार्लमार्क्स ④ नूमकंब नाव शिवा ⑤ चार शब्द	व्याख्यान	10	07 ऑगस्ट 2018 ते 20 ऑगस्ट 2018	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018-2019)

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

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

Name Of Faculty : chishiti A.m.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
⑤	अशा कौलटकर - ① श्रीज्ञानेश्वरसमाधिर्णन	व्याख्यान	10	21 ऑगस्ट 2018 ने	
②	मेणवती ③ धाना ④ अन्न ⑤ भूपाली.			31 ऑगस्ट 2018	①
⑥	नामदेव ढसाळ - ① रमाबाई आंबेडकर	व्याख्यान	10	03 सप्टेंबर 2018 ने	
②	पानी ③ कॉम्प्रेड अर्थात 92 बलुतेदारां - साठी ④ मूर्ध म्हाता-याने डोंगर हालविले.			14 सप्टेंबर 2018	
⑤	अंधाराने सूर्य पाहिला तेव्हा.				

Chishiti  
Signature of Faculty

Principal  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M.Sc. <sup>Ist</sup>  
Semister : I Paper No : II (opt) Paper Name : नाट्यात्म साहित्य  
Name Of Faculty : CHISHTI A.M.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	मुलगी झाली हो - - - - ज्योती महापत्नीकर	व्याख्यान	15	17 सप्टेंबर 2018 ते 05 ऑक्टो. 2018	
2.	यातना उत्सव - बापू धोंडे	व्याख्यान	15	31 ऑक्टो. 2018	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./M.Sc. II<sup>nd</sup>  
Semester : I Paper No : III (SU) Paper Name : गद्य - पद्य उपरोचित मराठी  
Name Of Faculty : Chishkhi A.m.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
	गद्य विभाग				
①	छत्रपती शिवाजी महाराजांच्या कार्याचे स्वरूप - प्र. न. देशपांडे.	व्याख्यान	04	02 जुलै ते 05 जुलै 2018	
②	लोकसंस्कृती आणि जागतिकीकरण - डॉ. द. ता. भोसले.	व्याख्यान	04	09 जुलै ते 12 जुलै 2018	
③	मरणानं उाव साधना नाशिवानं हात दिला - सौ. सिधूताई सपकाळ	व्याख्यान	04	16 जुलै ते 19 जुलै 2018	
④	लोकराजे मा. खा. पवार साहेब - प्रा. लक्ष्मण ढोबळे.	व्याख्यान	04	23 जुलै ते 26 जुलै 2018	
⑤	वही - सुरेश पाटील (इलेक्टर)	व्याख्यान	04	30 जुलै ते 02 ऑगस्ट 2018	
	पद्य विभाग				
①	निष्कर्ष - सुहासिनी इलेक्टर	व्याख्यान	03	06 ऑगस्ट ते 08 ऑगस्ट 2018	
②	आकाशापुवढा - सदानंद सिनगारे	"	03	09 ऑग. ते 14 ऑग. 2018	
③	सा-या धरालाच लागली वाळवी - प्रदीप पाटील	"	04	16 ऑग. ते 23 ऑग. 2018	
④	कुणबी माझा । अनिल गव्हाणे	"	03	27 ते 29 ऑग. 2018	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science

Department : Marathi

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

Semester : III

Paper No : III

Paper Name : व्य-पद्य उपयोजित मराठी

Name Of Faculty : chishhi A. m.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
5	वीरशा - बाबाशव मडावी	व्याख्यान	03	30 ऑग. 2018 ते 04 सप्टें. 2018	
6	अरुंद दारातून बाहेर पडताना - संजीवनी तडेगावकर	"	04	05 सप्टेंबर 2018 ते 10 सप्टेंबर 2018	
	उपयोजित मराठी				
1	परिभाषा : तंत्र स्वरूप उपयोजन - स्वरूप व वैशिष्ट्ये परिभाषेची आवश्यकता शासन व्यवहारातील परिभाषा, कार्यालयीन परिभाषा.	व्याख्यान	05	11 सप्टें. ते 18 सप्टें. 2018	
2	आकाशवाणी प्रसार माध्यम : लेखनतंत्र व उपयोजन - श्राव्यमाध्यम आकाशवाणी या प्रसार माध्यमाचे घटक, वातमी, युक्तिका नमो नाट्य	व्याख्यान	05	19 सप्टें. 2018 ते 27 सप्टें. 2018	
3	पुस्तक परिचय - तंत्र व स्वरूप - वाउमय वाउमयेतर लेखनाचा परिचय कथा कादंबरी कविता	व्याख्यान	05	01 ऑक्टो. 2018 ते 05 ऑक्टो. 2018	
4	जलनियोजन : तंत्र व स्वरूप - जलनियोजनाचे महत्त्व जलनियोजन धरणे आणी शेती, दुरगातील जलनियोजन, पिण्यासाठी जलनियोजन	व्याख्यान	05	16 ऑक्टो. 2018 ते 17 ऑक्टो. 2018	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (201 -201 )

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M.Sc. Indel  
Semester : III Paper No : VI Paper Name : दुकप्राच्य माध्यमांसाठी लेखन कौशल्य  
Name Of Faculty : Chishmi A.M.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
①	दूरचित्रवाणी	व्याख्यान	15	06 जुलै 2018 ते 25 ऑगस्ट 2018	
①	दूरचित्रवाणी स्वरूप कार्य व विस्तार				
②	दूरचित्रवाणी लेखन व निर्मिती				
③	दूरचित्रवाणी कार्यक्रमांचे प्रकार				
④	दूरचित्रवाणीवरील वातम्या.				
②	संकेतस्थळ	व्याख्यान /	15	31 ऑगस्ट 2018	
2.1	संकेतस्थळ संकल्पना आणि उपयोजन	प्रात्यक्षिक		ते 19 ऑक्टो 2018	
2.2	संकेतस्थळाच्या परिचय				
2.3	संकेतस्थळावर साहित्यविषयक घडामोडी				
2.4	ई - डिक्शनरी, विश्वकोष.				

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tal. Osmanabad Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M.Sc. III<sup>rd</sup>  
Semester : V Paper No : IX Paper Name : भारतीय साहित्यविचार  
Name Of Faculty : CHISHTI A.M.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	साहित्याचे स्वरूप. व्याख्या ( भामह, दण्डी, हेमचंद्र, रुद्रट, मम्मट, विश्वनाथ व इतर संस्कृत अभ्यास- कांच्या मतांचा विचार )	व्याख्यान	15	04 जुलै 2018 ते 27 जुलै 2018	
2.	साहित्याचे प्रयोजने - भामह, दण्डी, भरतमुनी आदींची मते, मम्मटाच्या प्रयोजन विचार	व्याख्यान	10	28 जुलै 2018 ते 16 ऑगस्ट 2018	
3.	साहित्याची निर्मिती प्रक्रिया (प्रतिभा, व्युत्पन्नता अभ्यास व इतर पूरक कारणे)	व्याख्यान	10	18 ऑगस्ट 2018 06 सप्टेंबर 2018	
4.	रसविचार - भारताचे रससूत्र भट्टलोचन, श्रीशंकर, भट्टनाथक व आभिनवगुप्त यांच्या मतांचा विचार रससंख्या रसविदने	व्याख्यान	15	07 सप्टेंबर 2018 ते 05 ऑक्टोबर 2018	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./ M.Sc. III<sup>rd</sup>

Semester : V

Paper No : IX

Paper Name : भारतीय साहित्यविद्यार्

Name Of Faculty : chishti A.m.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
5.	शब्दशक्ती व अर्थविद्यार् अभिध्या, लक्षणा, व्यंजना	व्याख्यान	10	06 ऑक्टो - 2018 ते 25 ऑक्टो 2018.	

Signature of Faculty

Principal





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science

Department : Marathi

Class : B.A./B.Sc. / M.A./M.Sc. III<sup>rd</sup>

Semester : V

Paper No : XI

Paper Name : मध्ययुगीन मराठी वाङ्मयाचा इतिहास (प्रारंभ ते १६००)

Name Of Faculty : Chishhti A.m.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	मराठीचा प्रारंभकाल व मुकुंदराज	व्याख्यान	10	02 जुलै ते 17 जुलै 2018	
2.	महानुभाव पंथ आणि त्यांचे वाङ्मयीन कार्य- महानुभाव पंथाचे पंचकृष्ण, महानुभाव पंथाचे तत्त्वज्ञान, महानुभावांचे वाङ्मयीन कार्य महानुभावांच्या गद्य साहित्ये पद्य साहित्य.	व्याख्यान	12	18 जुलै ते 07 ऑग- 2018	
3.	वारकरी संप्रदाय आणि त्यांचे वाङ्मयीन कार्य - ① संत ज्ञानेश्वर, संत नामदेव, ज्ञानेश्वर पंचक, जनाबाई, चौखामेळा, कर्ममेळा, गोरकुंभार, विसोबा सेवर, सावता माळी, नरहरी सोनार, परिसा भागवत, सेना बावी, कांढोपात्रा.	व्याख्यान	20	08 ऑगस्ट 2018 ते 17 सप्टेंबर 2018	
4.	बर्हामनीकालीन मराठी साहित्य - दत्त संप्रदाय, दासोपंत, संत पुकनाथ, संत पुकनाथांची वाङ्मयीन रचना.	व्याख्यान	10	18 सप्टेंबर 2018 ते 08 ऑक्टोबर 2018	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./ M.Sc. III<sup>rd</sup>  
 Semester : V Paper No : XI Paper Name : मध्ययुगीन मराठी वाङ्मयाचा इतिहास (संस्कृत ते १६००)  
 Name Of Faculty : Chishti A.M.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
5.	संत तुकाराम आणि संत रामदास - संत तुकाराम संत तुकारामांची गाथा, संत तुकारामांचे कवित्व समर्थ रामदास संत रामदासाचे साहित्य.	व्याख्यान	10	09 ऑक्टोबर 2018 ते 25 ऑक्टोबर 2018	

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Osmanabad Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science

Department : Marathi

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

Semester : II

Paper No : III

Paper Name : कथात्म साहित्य

Name Of Faculty : Chishati A.m.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	सरत्या पावसाळ्यातील राम - बी. रघुनाथ	व्याख्यान	05	26 नोव्हें. ते 29 नोव्हें. 2018	
2.	ग्रामकथा - अण्णाभाऊ साठे.	"	05	30 नोव्हें. ते 06 दिसे 2018	
3.	अंतःकरणाचे रत्नदीप - विभावरी शिंदेकर	"	06	06 दिसे ते 13 डिसे 2018	
4.	नदीकाठ्या प्रकार - द. मा. भिरासदार	"	05	14 डिसे. ते 20 डिसे 2018	
5.	गांधीजी 2009 - बंगनाथ पठारे	"	05	21 डिसे. ते 27 डिसे 2018	
6.	आपण मानसात जमा नाही - राजन गवस	"	06	28 डिसे. ते 4 जाने 2019	
7.	हिशोब - भास्कर चंदनाशिव	"	06	07 जाने. ते 11 जाने 2019	
8.	चोळी - आबासाहेब वाघमारे	"	05	14 जाने ते 17 जाने 2019	
9.	अण्णा - पुन. पी. उगले	"	05	18 जाने. ते 24 जाने 2019	
10.	केशी - झा. श. पंडित.	"	06	25 जाने ते 31 जाने 2019	
	तीन पावलं दान - कुमार खरात	"	06	01 फेब्रु ते 7 फेब्रु 2019	

Signature of Faculty

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  
 Semester : II Paper No : IV Paper Name : मुद्रित माध्यमासाठी लेखन कौशल्ये  
 Name Of Faculty : Chishiti A.M.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	अग्रलेख	व्याख्यान	06	08 फेब्रु ते 14 फेब्रु 2019	
2.	समीक्षात्मक लेखन	"	06	15 फेब्रु ते 21 फेब्रु 2019	
3.	जाहिरात लेखन	"	06	22 फेब्रु ते 28 फेब्रु 2019	
4.	वाचकांची पत्रे	"	06	01 मार्च ते 7 मार्च 2019	
5.	निविदा तयार करणे	"	06	08 मार्च ते 14 मार्च 2019	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
 Narmada Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Marathi Class : B.A./B.Sc. / M.A./M.Sc. II<sup>nd</sup>  
Semester : IV Paper No : IV (8U) Paper Name : गद्य-पद्य व उपयोजित मराठी  
Name Of Faculty : Chishti A.M.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
	गद्य विभाग	व्याख्यान	20	26 नोव्हेंबर 2018 ते 27 डिसेंबर 2018	
1.	चिपाड - अंबादास केदार				
2.	मिरगीपेर - विजय जावळे				
3.	काहूर - अंजली भयवान				
4.	गाथरान - पुकनाथ खिल्लारे				
5.	भूक - उमेश मोहिते				
	पद्य विभाग	व्याख्यान	20	01 जाने. 2019 ते 31 जानेवारी 2019	
1.	गर्भाशयात असताना - म.मो. जोशी				
2.	आवा - शिवाजी मारुती पाटील				
3.	पानचवऱ्या मुलुखाने - कव्यना दुधाळ				
4.	जागलं - शिवाजी मरगीळ				
5.	कळसूमी वाहूली - भारती रेवडकर				
6.	हिशीव चुकता करा - वि.सो. वराट				

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science

Department : Marathi

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

Semister : IV

Paper No : IV

Paper Name : गद्यपद्य व उपयोजित मराठी

Name Of Faculty : Chishti A-m.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
	उपयोजित मराठी	व्याख्यान / प्रात्यहिक	20	04 फेब्रुवारी 2019 ते 07 मार्च 2019	
1	संगणक क्षेत्रातील संकल्पना : स्थूल परिचय सॉफ्टवेअर, हार्डवेअर, विंडोज, फाईल, डाटा, संगणकाची कौशल्य भारतातील समाजातील संगणकाच्या प्रभाव				
2	संगणकाची वैशिष्ट्ये - अथूक काम, प्रयत्न वेग कामाची सलगता माहितीचे संक्रमण व सादरीकरण कामाची विविधता, स्वविचारक्षमता नसणे.				
3	मराठी समाजातील संगणकाचा प्रभाव - सामाजिक दोषांचे मार्गदर्शन नैसर्गिक आपत्तीचे पूर्वकथन, लोकसंख्याबद्धतेचे मार्गदर्शन निवडणूक व मतदान क्षेत्र हवामानाच्या अंदाज वैज्ञानिक संशोधन, साहित्य क्षेत्रातील उपयोग.				
4	इंटरनेट : स्वरूप आणि कार्यप्रणाली - इंटरनेट : अर्थ आणि व्याख्या वेबसाईट ई-मेल चॅट सर्किंग, ब्राउझिंग अकाउंट इंटरनेटच्या भारतीय समाजातील				

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tal. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

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

Semester : IV Paper No : VIII Paper Name : साहित्य प्रकरांतर आणि साहित्याचे माध्यमांतर

Name Of Faculty : Chishmi A.M.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
①	माध्यमासाठीचे लेखन -				
①	मुद्रित माध्यमासाठीचे लेखन (स्थूल परिवय) सदर लेखन, स्फूर्तलेखन, अग्रलेख, ग्रंथ-परीक्षण इ.)	व्याख्यान	05	30 नोव्हेंबर 2018 ते 14 डिसेंबर 2018	
②	श्राव्य माध्यमासाठीचे लेखन - श्रुतिका, व नभोनाट्य लेखन.	व्याख्यान	05	15 डिसेंबर 2018 ते 29 डिसेंबर 2018	
③	दृक-श्राव्य माध्यमासाठीचे लेखन (पटकथा लेखन (मालिकेसाठी) साहित्य-विषयक अन्यकार्यक्रम उदा. वाच्याल तर वाच्याल, साहित्यविषयक वाच्य मुलाखती इ.)	व्याख्यान	05	04 जाने. 2019 ते 18 जाने. 2019	
	माध्यम लेखनाची वैशिष्ट्ये उदा. संवाद लेखन चित्रिकरणाने आन असणे इवनी संयोजन याद्वारे संगीतमध्या वापर, कथेच्या संफूर्तीतील रहस्यमयता इ.	व्याख्यान	05	19 जाने. 2019 ते 02 फेब्रुवारी 2019	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

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

Semester : IV Paper No : VIII (अ) Paper Name : साहित्य प्रकारांतर आणि साहित्याचे माध्यमांतर

Name Of Faculty : Chishhti A.M.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
4.	साहित्याचे माध्यमांतर (चित्रपटाच्या विशेष संदर्भात)	व्याख्यान	10	०४ फेब्रुवारी २०१९ ते ०७ मार्च २०१९	
①	चित्रपट पटकथा लेखनाचे स्वरूप				
②	कथा वा कादंबरीवरून चित्रपटकथा लेखनाचे वेगळेपण				
③	लघुपट व लघुपटाचे कथालेखन				
④	मराठी साहित्य व चित्रपट : एक अनुबंध साहित्यकृती : नटरंग - एक अनुबंध				

Signature of Faculty

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.  
Semester : VI Paper No : XIII Paper Name : पश्चात्य साहित्यविचार  
Name Of Faculty : Chishti A.M.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	साहित्याचे स्वरूप - व्याख्या - हॅसलिट रॉकेन, कोलरिज, कोर्टहोप, कार्लोविन, वडस्वर्थ, मॅथ्यू ऑनोर्ड, कोट. (व इतर) लक्षणे - कल्पना, भावना, शुद्धी, लयबद्धता, शैली	व्याख्यान	12	28 नोव्हेंबर 2018 ते 15 डिसेंबर 2018	
2.	साहित्याची प्रयोजने - पलायनवाद, स्वप्नरंजन, पिज्ञासापूर्ती, आत्माविकार, उद्बोधन, विस्मय (कॅथॉर्सिस) व प्यार.	व्याख्यान	12	19 डिसेंबर 2018 ते 10 जानेवारी 2019	
3.	साहित्याची निर्मिती प्रक्रिया - सिगमंड फ्रायड, कार्ल गुस्ताव युंग, एफ.सी. प्रिस्कॉट कोलरिज, टी.पुस. पुलियट, मरे काथगर यांचे निर्मिती प्रक्रियेसंदर्भात मत.	व्याख्यान	14	11 जानेवारी 2019 ते 31 जानेवारी 2019	
4.	माक्सवादी साहित्यविचार - कार्ल माक्सचा साहित्यविषयक दृष्टीने समाजवादी चारनव वाद, परात्मतेची संकल्पना बौध्दिकीची संकल्पना	व्याख्यान	12	01 फेब्रुवारी 2019 ते 21 फेब्रुवारी 2019	

Signature of Faculty

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.

Semester : V Paper No : XIII Paper Name : पश्चात्य साहित्यविचार

Name Of Faculty : chishti A.m.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
5.	ऐतिहासिक व साम्यवादी समीक्षा पद्धती	व्याख्यान	10	22 फेब्रुवारी 2018 ते 09 फेब्रुवारी 2018	

(Signature)  
Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Dahanu  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science

Department : Marathi Class : B.A./B.Sc. / M.A./M.Sc. 7th

Semester : V

Paper No : XV Paper Name : मध्ययुगीन मराठी वाउ.मथावा इतिहास (१६०९ ते १८१८)

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	पंडित माहित्य - प्रेरणा, स्वरूप व वैशिष्ट्ये	व्याख्यान	10	26 नोव्हें ते 11 डिसेंबर 2018	
2.	मुक्तेश्वर वामनपंडित, बंधुनाथ पंडित, सामराज, श्रीधर, मोरोपंत यांचे ग्रंथ आणि ग्रंथकारांचा परिचय	व्याख्यान	20	12 डिसेंबर 2018 ते 17 डिसेंबर 2018	
3.	झाहिरी वाउ.मथा - प्रेरणा स्वरूप व वैशिष्ट्ये परशुराम राम जोशी, होनाजी बाळा, अनंत फुंदी, अगनभाउ, प्रभाकर यांच्या वाउ.मथाचा परिचय	व्याख्यान	18	21 जानेवारी 2019 ते 19 फेब्रुवारी 2019	
4.	बखर वाउ.मथा प्रेरणा स्वरूप व वैशिष्ट्ये शिवपूर्वकालीन बखरी, शिवकालीन बखरी, पेशवेकालीन बखरी यांच्या परिचय	व्याख्यान	12	20 फेब्रुवारी 2019 ते 12 मार्च 2019	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti

To Contact Dist. Osmani

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Academic Calender For 180 Days.

Faculty of Arts/Science/ Management-Science

Academic Year(2018 -2019 )

( Department of Hindi )

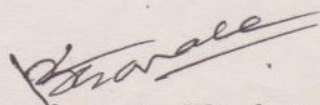
Name of Faculty Member Dr./Mr./ Miss. KONALE BALAJI EKNATHRAO

Term	Month	Working days	Theory Periods		Practical Periods		Total Periods	
			BA/BSCI	BA I	BA II	B.A III	BA III	
First Term	June							
	July		16	18	18	16	18	
	August		16	16	16	16	16	
	September		15	13	15	15	13	
	October		13	13	13	13	14	
	November		03	04	01	03	04	
Total 1			63	65	63	63	65	
Second Term	December		17	16	16	17	16	
	January		16	18	15	16	18	
	February		16	14	16	16	14	
	March		10	07	08	10	07	
Total 2			62	59	55	62	59	
Total 1 + 2			125	124	118	125	124	

Total Working Days =

Total Theory Periods =

Total Practical Periods =

  
Signature of Faculty Member



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1)	परिचय अभ्यासक्रम और उद्देश्य	चर्चात्मक व व्याख्यान	02	4, 5 July	
2)	कथा संसार कहानी साहित्य पर प्रकाश	व्याख्यान और समीक्षात्मक	02	6, 7 July	
3)	स्त्री और पुरुष	कथात्मक समीक्षा	04	11 July to 14 July	
4)	द्वार की जीत	कथात्मक समीक्षा	04	18 July to 21 July	
5)	दो बाँके	कथात्मक समीक्षा	04	25 July to 28 July	
6)	गौरी	कथात्मक समीक्षा	04	1 Aug to 4 Aug	
7)	हाटम बम्ब	वर्णनात्मक समीक्षा	05	8 Aug to 16 Aug	
8)	पंचनाइट	व्याख्यान	05	18 Aug to 25 Aug	
9)	अपराधित	व्याख्यान	03	30 Aug to 1 Sep	
10)	हिन्दी भाषा उद्भव और विकास	व्याख्यान	04	5 Sep to 8 Sep	
11)	देवनागरी लिपी स्वरूप और विकास	व्याख्यान	04	12 Sep to 14 Sep	
12)	हिन्दी वर्तनी का मानक रूप	व्याख्यान	03	15 Sep to 21 Sep	
13)	परिभाषिक शब्दावली स्वरूप एवं सम्- स्थान	व्याख्यान	08	22 Sep to 5 Oct	
14)	पाठ्यक्रम पर पुनः चर्चा	चर्चात्मक	08	06 Oct to 20 Oct	
15)	प्रश्नात्मक चर्चा	प्रश्नोत्तर	02	24, 25 Oct.	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti

Ta. Om. Dist. Or.



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

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

Semester : I Paper No : 118 Paper Name : \_\_\_\_\_

Name Of Faculty : Dr. B. F. Konale

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1)	पाठ्यक्रम और उद्देश्य	चर्चात्मक	04	28, 29 Nov	
2)	घर की तलाश	कथात्मक	04	30 Nov to 6 Dec	
3)	कस्बे का आदमी	अमीक्षात्मक	04	7 Dec to 13 Dec	
4)	पोस्टमैन	do	04	14 Dec to 20 Dec	
5)	छुट्टी का दिन	do	04	21 Dec to 27 Dec	
6)	गुमशुदा की तलाश	do	04	28 Dec to 3 Jan	
7)	दूज का टीका	do	04	4 Jan to 10 Jan	
8)	मेरे शहर और वे	do	04	11 Jan to 17 Jan	
9)	व्यवहारिक लेखन - संक्षेपण पत्रलेखन	व्याख्यान	05	18 Jan to 25 Jan	
10)	पत्राचार - निजी, सामाजिक, सरकारी	do	05	31 Jan to 7 Feb	
11)	कम्प्यूटर में हिन्दी का प्रयोग	do	05	8 Feb to 15 Feb	
12)	अनुवाद का स्वरूप और भेद	do	05	16 Feb to 23 Feb	
13)	पाठ्यक्रम पर चर्चा	चर्चात्मक	08	27 Feb to 7 Mar	
14)	पुश्नात्मक चर्चा	पुश्नीत्तर	02	8 Mar to 15 Mar	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Hindi Class : B.A./B.Sc./M.A./M.Sc.  
Semester : II<sup>nd</sup> Paper No : 111 Paper Name : Gradhya Sahitya,  
Name Of Faculty : Dr. B. E. Konale

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1)	पाठ्यक्रम और उद्देश्य	व्याख्यान	02	26, 27 Nov	
2)	कहानी स्वरूप एवं विकास	do	04	28 Nov to 4 Dec	
3)	कथायात्रा - कहानियों - संवेदना और शिल्प	कथात्मक और समीक्षात्मक	20	5 Dec to 9 Jan	
4)	व्यंग स्वरूप विकास	do	05	10 Jan to 21 Jan	
5)	काग भगोडा व्यंगी कथ्य और शिल्प	do	20	22 Jan to 26 Feb	
6)	पाठ्यक्रम पर पूर्ण चर्चा	व्याख्यान	05	27 Feb to 11 Mar	
7)	पुश्नावली, पुश्नीत्तर	व्याख्यान	03	12 Mar to 14 Mar	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science Department : Hindi Class : B.A./B.Sc./M.A./M.Sc. I  
Semester : Ist Paper No : I Paper Name : Upnyas Sahitya  
Name Of Faculty : Dr. B.E. Konde

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1)	परिचय एवं पाठ्यक्रम का उद्देश्य	व्याख्यान	04	2 July to 5 July	
2)	हिन्दी उपन्यास स्वरूप एवं विकास	व्याख्यान	04	9 July to 12 July	
3)	शशापाल - व्यक्तित्व एवं कृतित्व	व्याख्यान	04	16 July to 19 July	
4)	अमिता उपन्यास का संवेदनागत अध्ययन	वर्णनात्मक और समीक्षात्मक	10	23 July to 7 Aug.	
5)	अमिता उपन्यास का शिल्पगत अध्ययन	do	10	8 Aug to 28 Aug.	
6)	मन्नू भंडारी का व्यक्तित्व एवं कृतित्व	व्याख्यान	06	29; 30 Aug to 6 Sep	
7)	आपका बंटी उपन्यास का संवेदनागत अध्ययन	व्याख्यान समीक्षा	10	10 Sep to 1 Oct.	
8)	आपका बंटी उपन्यास का शिल्पगत अध्ययन	do	10	3 Oct to 22 Oct	
9)	पाठ्यक्रम पर पूर्णचर्चा	do	02	23, 24 Oct	
10)	पुश्नीत्तर चर्चा	do	01	25 Oct.	

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Hindi Class : B.A./B.Sc./M.A./M.Sc.   
Semester : III Paper No : V Paper Name : Kathakar Gadhya Sahitya  
Name Of Faculty : Dr. B. E. KONALE

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1)	पाठ्यक्रम और उद्देश्य	व्याख्यान	02	02, 3, 5, 7	
2)	गद्यपद्य	do	25	6, 5, 7, 10, 20 Aug	
3)	गद्यगौरव	do	30	21 Aug to 16 Oct	
4)	पाठ्यक्रम पर पूर्णचर्चा	चर्चात्मक प्रश्नोत्तर	05	19 Oct to 23 Oct	

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Hindi Class : B.A./B.Sc. / M.A./M.Sc. III  
Semester : V Paper No : X Paper Name : Adi Tatha Madyakalin  
Name Of Faculty : Dr. B.E. Korale Hindi Sahitya Ka Itihas

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1)	पाठ्यक्रम एवं उद्देश्य	व्याख्यान समीक्षात्मक	02	2, 3 July	
2)	हिन्दी साहित्य इतिहास - लेखन स्तरीय एवं संस्था	do	06	4 July to 12 July	
3)	अदिकाल कि सामाजिक सांस्कृतिक तथा राजनैतिक पृष्ठभूमि	do	05	16 July to 23 July	
4)	वीरगाथा, जैन, सिद्ध तथा नाथ संप्रदाय	do	05	24 July to 31 July	
5)	रचनाकार खुसरो, विद्यापती नामदेव	do	06	1 Aug to 8 Aug	
6)	आधुनिक काल की सामाजिक, सांस्कृतिक तथा राजनैतिक पृष्ठभूमि	do	06	13 Aug to 23 Aug	
7)	सगुण भक्ति, राम भक्ति, कृष्ण भक्ति	do	05	27 Aug to 3 Sep	
8)	निर्गुण भक्ति - संत साहित्य, सूफी साहित्य	do	05	4 Sep to 11 Sep	
9)	रचनाकार - कबीर, तुलसी, सूरदास	do	05	12 Sep to 18 Sep	
10)	ऐतिहासिक सामाजिक सांस्कृतिक तथा राजनैतिक पृष्ठभूमि	do	05	26 Sep to 4 Oct	
11)	ऐतिहासिक साहित्य - शैलिविद्वेष, शैलिविद्वेष शैलिमुक्त	do	03	8, 9, 10 Oct	
12)	रचनाकार - केशव, पद्माकार बिहारी मूषण	do	03	11, 15, 16 Oct	
13)	पाठ्यक्रम पर पूर्ण चर्चा	do	03	22, 23, 24, 25	
14)	पुश्नोत्तर	पुश्नोत्तर	01	25 Oct	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (201 -201 )

Faculty : Arts / Science

Department : Hindi

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

Semester : VI

Paper No : XIV

Paper Name : Adhunik Hindi

Name Of Faculty : Dr. B.E. KONALE

sahitya ka Itihas

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1)	पाठ्यक्रम एवं उद्देश्य	व्याख्यान	02	26, 27 NOV	
2)	आधुनिक काल	do	02	28, 29 NOV	
3)	काव्यसाहित्य भारतेदुयुगीन कविता	do	03	3, 4, 5 DEC	
4)	द्विवेदी युगीन कविता	do	02	6, 10, 5 JAN DEC	
5)	छायावादी कविता	do	03	11, 12, 13 DEC 5, 10, 15 JAN	
6)	प्रगतिवादी कविता	do	03	17, 18, 19 DEC	
7)	प्रयोगवादी कविता	do	02	20, 24 DEC	
8)	नई कविता	do	02	26, 28, 31 DEC	
9)	समकालिन कविता	do	02	29, 30 JAN	
10)	दलित आदिवासी कविता	do	02	31 JAN, 4 FEB	
11)	रचनाकार काव्य साहित्य	do	15	3 FEB to 30 JAN	
12)	गद्य साहित्य नाटक कहानी उपन्यास मुकांकी, जीवनी आत्मकथा	do	10	31 JAN to 14 FEB	
13)	रचनाकार - नाटक कहानी उपन्यास मुकांकी, जीवनी, आत्मकथा	do	08	18 FEB to 6 MAR	
14)	पाठ्यक्रम - परिचर्चा, प्रश्नावली	do	03	7 MAR to 14 MAR	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (201 -201 )

Faculty : Arts / Science

Department : Hindi

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

Semester : V

Paper No : XII

Paper Name : Prakalp Kargh,

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1)	पठन , लेखन , कौशल का विकास	व्याख्यान	<del>10</del>	4 July to 19 July	
2)	संकलन	do	<del>10</del>	20 July to 4 Aug	
3)	आलोचनात्मक क्षमता का विकास	समीक्षात्मक	15	8 Aug to 6 Sep	
4)	अनुसंधानात्मक दृष्टि का विकास	संशोधनात्मक	15	8 Sep to 6 Oct	
5)	चर्चा	चर्चात्मक	10	10 Oct to 25 Oct	

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya Gunjoti  
Tq. Omarga Dist. Osmerabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science

Department : \_\_\_\_\_

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

Semister : \_\_\_\_\_

Paper No : \_\_\_\_\_

Paper Name : \_\_\_\_\_

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1)	लेखन पद्धती (संशोधनात्मक)	व्याख्यान	15	28 Nov to 21 Dec	
2)	प्रकल्प लेखन - प्रकरण विभाजन	do	10	22 Dec to 31 Jan	
3)	प्रकल्प लेखन	do	10	10 Jan to 25 Jan	
4)	उपसंहार	do	10	31 Jan to 15 Feb	
5)	संदर्भ लेखन	do	10	16 Feb to 6 Mar	
6)	चर्चा	चर्चात्मक	07	7 Mar to 15 Mar	

Signature of Faculty

Principal

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Academic Calender For 180 Days.

Faculty of Arts/Science/ Management Science

Academic Year(2019-2019 )

( Department of Hindi )

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

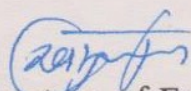
Term	Month	Working days		Theory Periods			Practical Periods	Total Periods
		B.A.I	B.D.S.I	B.A.D	B.A.D	B.A.D		
First Term	June	-	-	-	-	-	-	
	July	25	16	17	17	17	17	84
	August	23	15	15	15	16	16	77
	September	22	15	13	13	16	16	73
	October	24	16	17	17	17	17	84
	November	30	62	62	62	66	66	318
Total 1		05	03	04	04	03	03	17
Second Term	December	25	17	16	16	17	17	83
	January	25	17	17	17	16	16	83
	February	23	16	15	15	15	15	76
	March	12	09	08	08	05	05	35
Total 2		62	62	60	60	60	60	294
Total 1 + 2		180	124	122	122	126	126	612

Total Working Days = 180

Total Theory Periods = 612

Total Practical Periods =

  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Dist. Osmanabad

  
Signature of Faculty Member



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

(7)

Faculty : Arts / Science Department : Hindi Class : B.A./B.Sc. / M.A./M.Sc.  
Semester : I Paper No : II Paper Name : \_\_\_\_\_  
Name Of Faculty : डॉ. राम.श्री खेत मातृक साहित्य

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	<u>विजयपर्व</u>		22	<u>30.8, 1, 5, 12, 19, 26, 23, 30, 9, 16, 20, 27, 24, 26, 20, 26</u> <u>आगस्ट 9, 2, 3, 6</u>	
2.	<u>हीरो: प्रेमचंद नाट्यरूपांतर</u>		20	<u>आगस्ट 6, 13, 20, 27, 9, 16, 23, 30, 27, 24, 30, 30, 27</u> <u>सित 3, 10, 17, 24, 31, 7, 14, 21, 28, 9, 16, 23, 30</u>	
3.	<u>आख्य आजादी की</u>		22	<u>सित 7, 14, 21, 28, 24, 24, 24, 24</u> <u>आक्ट 3, 10, 17, 24, 31, 7, 14, 21, 28, 24, 24, 24, 24</u>	

2018/19  
Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerni Dist. G.





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

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

Semester : II Paper No : IV Paper Name : एकान्त साहित्य

Name Of Faculty : डॉ. वम. सी. खेत

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1. 1.	एकान्त नाम पुराण 9: भीमा कहा है		8	नोव 26, 28, 30, डि 27, 29.	
2.	शरणागत		8	डि 22, 23, 24, 25	
3	महाभारत की लौस		8	डि 29, 30, 31, 22	
4.	बाण दश		8	डि 26, 28, 29, 22	
5.	रासा वंद है		8	जाने 2, 3, 4, 5.	
6	कुवारी धरती		8	जाने 8, 9, 10, 12	
7.	पदासीन का कोर		8	जाने 16, 17, 18, 19	
2. 1.	प्रतिनिधि महो एकान्त डॉ. वम. सी. खेत		8	जाने 23, 24, 25, 30	
2.	सक और दिन		8	जाने 31, फेब्र 1, 2, 3	
3.	जाने स जोर		8	फेब्र 10, 11, 12, 13	
4.	मादा मिडी		8	फेब्र 18, 19, 20, 21	
5	उभा		8	फेब्र 22, 23, 24, 25	
6	कुंकार और नारी		8	फेब्र 26, 27, 28, 29, 2, 3	
7.	कपील, वसु की राजवधु		8	मार्च 10, 11, 12, 13	
8	उभा किसकी		8	मार्च 16, 17, 18, 19	

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

3

Faculty : Arts / Science Department : हिंदी Class : B.A./B.Sc. / M.A./M.Se.  
 Semester : III Paper No : III Paper Name : सामान्य हिंदी  
 Name Of Faculty : डॉ. लक्ष्मी शर्मा

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
अ. १.	गद्य के विविध आचार्य		४	जुन २, ३, ४, ५	
२.	मीरा जीवन		५	जुन ६, १०, ११, १२, १६	
३.	कुमो		५	जुन १७, १८, १९, २४, २५	
४.	शिराज के फुल		५	जुन २६, ३०, ३१ अगस्त २९, २	
५.	चीडोपर चीडो		२	अगस्त ६, ७, ८, ९	
आ. १.	प्रयोजनमूलक भाषा का स्वरूप एवं महत्व		३	अगस्त ८, ९, १३	
२.	भाषा की परिभाषा विशेषताएँ एवं महत्व		४	अगस्त १४, १६, २०, २१	
३.	वैश्वीकरण के परिप्रेक्ष्य में हिंदी भाषा का महत्व		४	अगस्त २०, २६, २९, ३०	
४.	भाषा शिक्षण की प्रक्रिया		४	सित ४, ५, ६, १०	
५.	भाषा कौशल		४	सित ११, १२, १७, १८	
६.	वाणिज्य व्यापार : लाभ एवं स्वरूप		३	सित १९, २४, २५	
७.	वाणिज्य व्यापार के स्थापन		३	सित २६, २७ अक्टो १	
८.	वाणिज्य व्यापार में भाषा की संरचनात्मक विशेषताएँ		४	अक्टो ३, ६, ८, ९	
९.	व्यावसायिक परीक्षण		४	अक्टो १०, ११, १५, १६	
१०.	वाणिज्य व्यापार एवं भाषिक प्रकाश		४	अक्टो १७, १८, २३, २४	
११.	निबंध लाभ स्वरूप निबंध लेखन		४	अक्टो २५, २९, ३०, ३१	

लक्ष्मी शर्मा  
Signature of Faculty

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



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science

Department : हिंदी

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

Semester : IV

Paper No : IV

Paper Name : सामान्य हिंदी

Name Of Faculty : डॉ. रम. स्त्री खोता

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
अ.	गद्य के विविध आशय				
१.	स्त्रीधर		४	जाने २६, २८, २९, २९	
२.	कुड़ कुमाँ ही गये		४	जिसे २, ४, ५, ६	
३.	जहाँ आकाश नहीं दिखाई देता		४	जिसे १०, ११, १२, १३	
४.	कुरीली लोड़ा, परिवार नहीं		५	जिसे १४, १६, १९, २०, २४	
५.	स्वामी दुआन्द		५	जिसे २६, २८, २९, १२, ३	
आ. १.	मिडिया लेखन जनसंचार माध्यम के विविध रूप		५	जाने ०, ६, ९, १०, १४	
२.	समाचार, रेडियो, फीचर लेखन		५	जाने १५, १६, १७, २१, २२	
३.	वैज्ञानिक तकनीकी हिंदी लेखन को स्वल्प निरोधताएँ		५	जाने २३, २४, २६, २९, ३०	
४.	पारिभाषिक शब्दावली भूमिका निर्माण के सिद्धांत एवं प्रयोग		५	जाने ३१, ३२, ४, ५, ६	
५.	पारिभाषिक शब्दावली वैज्ञानिक (अ) पारिभाषिक		३	जिसे ०, ११, १२	
६.	वैज्ञानिक तकनीकी अनुवाद स्वल्प एवं व्यवहार		३	जिसे १३, १४, १६	
७.	अनुच्छेद शोधन शब्द वाच्य, मुद्रित शोधन		४	जिसे २०, २१, २५, २६	
८.	अनुवाद वेदिका अनुवाद		४	जिसे २७, २८, ३०, ४, ५	
९.	मिडिया अनुवाद		४	जाने ६, ०, ११, १२, १३, १४	

Signature of Faculty

Principal



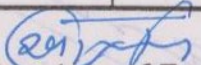
# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

5

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
१.१.	हिंदी नामकरण एवं विभिन्न अर्थ		३	जुन २,३,४	
२.	भारतीय आर्यभाषा: विकासमनु सामान्यभाषा		३	जुन ५, ६, १०	
३.	हिंदी भाषा का क्रमिक विकास		४	जुन ११, १२, १६, १७	
४.	हिंदी भाषा का आंतराष्ट्रीय परिदृश्य		२	जुन १८, १९	
२.१.	मानक भाषा संक्रमण एवं स्वरूप		४	जुन २४, २५, २६, ३०	
२.	भाषा मानकिकरण प्रक्रिया पध्दति लक्ष्य विशेषताएँ		४	जुन ३१, अगस्त २९, २९	
३.	मानक भाषा के स्वरूपगत संरचनात्मक विशेषताएँ		४	अगस्त ३०, ३१, १, १३	
४	मानक हिंदी के विकास चरण		४	अगस्त १४, १६, २०, २१	
३.१.	लिपि का उद्भव और विकास लिपि का तात्पर्य		४	अगस्त २०, २६, २६, ३०	
२.	देवनागरी लिपि का उद्भव और विकास		४	सित ४, ५, ६, १०	
३.	देवनागरी लिपि का वैज्ञानिकता		४	सित ११, १२, १७, १८	
४.	इतिहासिक माध्यम एवं देवनागरी लिपि		५	सित १९, २४, २५, २६, २७	
४.१.	प्रयोजनमूलक हिंदी तात्पर्य नामकरण परिभाषा एवं		१६	अक्टोबर १, ३, ४, ६, १०, ११	
२.	स्वरूपगत विशेषताएँ				
२.	प्रयोजनमूलक हिंदी के प्रयोग क्षेत्र एवं प्रयुक्तियाँ		१०	अक्टोबर १५, १६, १७, २२	
				२३, २४, २५, २६, ३०, ३१	

  
Signature of Faculty

  
Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science

Department : हिंदी

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

Semester : IV

Paper No : VII

Paper Name : प्रयोजनमूलेक हिंदी

Name Of Faculty : डॉ. एम. सी. खोस

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.9.	पारिभाषिक शब्दावली तात्पर्य परिभाषा विशेषताएँ		8	नोव 26, 20, 20, 20	
2.	पारिभाषिक शब्दावली निर्धारण के सिद्धान्त मुद्रिको न प्रयोग		8	डिसे 3, 8, 15, 15	
3.	भारतीय पारिभाषिक शब्दावली समस्याएँ एवं समाधान		8	डिसे 10, 17, 24, 31	
4.	हिंदी शब्दसंपदा पारिभाषिक शब्दावली		8	डिसे 10, 17, 24, 31	
2.9.	राजभाषा एवं राष्ट्रभाषा अवधारणा एवं स्वरूप		8	डिसे 28, 29, 30, 31	
2.	राजभाषा हिंदी को ऐतिहासिक परिप्रेक्ष्य सांविधानिक प्रावधान		8	जाने 2, 3, 10, 15	
3.	राजभाषा हिंदी को प्रचार प्रसार एवं संस्थागत कार्य		8	जाने 8, 15, 22, 29, 31	
4.	राजभाषा हिंदी को प्रचार प्रसार वैयक्तिक कार्य		8	जाने 29, 22, 23, 28, 20	
	महामा गांधी ने राजभाषा के दबाव को आगे बढ़ाकर				
3.9.	प्रयोजनमूलेक हिंदी प्रारम्भिक विषयों के सिद्धान्त एवं व्यवहार		8	जाने 28, 30, फेब्रु 8, 15	
2.	संक्षेप का प्रतिवेदन संसाधन सिद्धान्त एवं व्यवहार		8	फेब्रु 15, 22, 29, 31	
4.9.	प्रयोजनमूलेक हिंदी अनुवाद स्वरूप एवं प्रक्रिया		8	फेब्रु 23, 28, 29, 20, 28	
2.	अर्थान्वयी अनुवाद, वैज्ञानिक अनुवाद स्वरूप एवं समस्याएँ		8	फेब्रु 24, 28, 29, 20, 28	
3.	जनसंचार माध्यमों में अनुवाद स्वरूप एवं समस्याएँ		8	मार्च 15, 22, 29, 31, 31	
				98	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : हिंदी Class : B.A./B.Sc. / M.A./M.Sc.  
Semester : V Paper No : 18 Paper Name : प्रादेशिक भाषा साहित्य  
Name Of Faculty : डॉ. राम शी. खोत

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	प्रतिनिधि कथानक - भरांगी डॉ. माधव खोत 23		30	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	
2.	पराया - (बेमन माने)		32	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	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

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

Semester : VI Paper No : XII Paper Name : प्रादेशिक भाषा साहित्य

Name Of Faculty : डॉ. लक्ष्मी शैल

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
	<u>मध्ययुगीन काल- डॉ माधव शोणकर</u>		<u>६०</u>	<u>नोव्हेंबर २६, २७, ३०</u>	
				<u>डिसेंबर १, ३, ४, ७, ८, १०, ११</u>	
				<u>१४, १५, १७, १८, २१, २२</u>	
				<u>२४, २६, २८, २९</u>	
				<u>जानेवारी १, ४, ५, ७, ८, ११, १२</u>	
				<u>१५, १८, १९, २१, २२, २५</u>	
				<u>२६, २८</u>	
				<u>फेब्रुवारी १, २, ४, ५, ८, ९</u>	
				<u>११, १२, १५, १६, १८, २०</u>	
				<u>२३, २५, २६</u>	
				<u>मार्च १, २, ४, ५, ८, ९</u>	
				<u>११, १२, १५, १६</u>	

Signature of Faculty

Principal  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : हिंदी Class : B.A./B.Sc. / M.A./M.Sc. 9  
Semester : V Paper No : 8 Paper Name : साहित्यशास्त्र  
Name Of Faculty : डॉ. रमणी शर्मा

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
9.9.	साहित्य की स्वरूप एवं तात्पर्य		2	गुरु 2,3	
2.	संस्कृत आचार्यों द्वारा प्रस्तुत साहित्य की परिभाषाएं		2	गुरु 4,4	
3	पाश्चात्य आचार्यों द्वारा साहित्य की परिभाषाएं		2	8,90	
8.	हिंदी विद्वानों द्वारा साहित्य की परिभाषाएं.		2	93,98	
2.9.	साहित्य के लक्षण : भावतत्व		2	96,94	
2.	विचार एवं बुद्धितत्व		3	20,29,28	
3.	कल्पना तत्व		3	24,25,30	
4.	शैली तत्व		3	39,ऑगस्ट 3,8	
3.9.	साहित्य के प्रयोजन एवं तात्पर्य		2	4,10	
2.	संस्कृत आचार्यों द्वारा प्रस्तुत साहित्य के प्रयोजन		2	90,99	
3.	पाश्चात्य आचार्यों द्वारा साहित्य के प्रयोजन		2	93,98	
4.	हिंदी विद्वानों द्वारा साहित्य के प्रयोजन		2	95,20	
4.9.	साहित्य के हेतु एवं तात्पर्य		2	29,28	
2.	संस्कृत आचार्यों द्वारा साहित्य के हेतु		3	24,25,26	
3	पाश्चात्य आचार्यों द्वारा साहित्य के हेतु		3	39 सितंबर 9,8	
4.	हिंदी विद्वानों द्वारा साहित्य के हेतु		2	4,6	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Kg. Omega Dist Omega





# 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. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1	शब्दशक्ति विचार एवं तात्पर्य		2	20, 22	
2	शब्दशक्ति के प्रमुख भेद		2	20, 22	
3	रस की तात्पर्य एवं स्वरूप		2	20, 22	
4	रस की आकृतियों की विवेचना		2	20, 22	
5	रस की पारम्परिक विवेचना		2	20, 22	
6	रस निष्पत्ति, रस की रसयुक्त की प्रमुख व्याख्याएं		2	20, 22	
7	रस के भेद एवं सामान्य परिचय		2	20, 22	
	अंगार, वीर, करुण, रौद्र अमान्त के बीभर्त		2	20, 22	
	अद्भुत, शांत, विरक्त, वासन्ती		2	20, 22	

Signature of Faculty

*(Signature)*  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : हिंदी Class : B.A./B.Sc. / M.A./M.Sc. 11  
 Semester : II Paper No : XIV Paper Name : \_\_\_\_\_  
 Name Of Faculty : प्रा. डॉ. एम. सी. खेत साहित्यशास्त्र

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
१.१.	आठका से तात्पर्य एवं परिभाषा		३	नोवें २६, २७, ३०	
२.	आठका के तत्व		३	डिसे १, ३, ४	
३.	आठका के भेद		७	७, ८, १०, ११, १४, १५, १७	
२.१	छंद से तात्पर्य एवं परिभाषा		२	१८, २०	
२.	छंद के तत्व		२	२२, २४	
३.	छंद के प्रमुख भेद		१	२६	
अ	मात्रिक छंद - चौथाई दोहा, शेरका, कुंडलिया, रोक, हरिगीतिकां करवे, आठका		८	२९, ३१, १, १४, १५, १८, १९	
आ	वर्णिक छंद - इन्द्रजा, वसंततिलक, माहिनी, मदाकांका, शिवरिणी, भुजंगप्रयाग, सेवेथी		७	१२, १५, १८, १९, २१, २२, २५, २६, २८	
३.१.	साहित्य का विधाए एवं वर्गीकरण		२	२८, २९	
२.	प्रमुख विधाओं का संक्षिप्त इतिहास		२	३१, १, २	
३	दृश्यकाव्य - नाटक रीति, रसिको नाटक धारावाहिक		४	४, ५, ८, ९	
४.	अव्यकाव्य - -				

Signature of Faculty

Principal  
 Shrikrishna Mahavidyalaya, Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

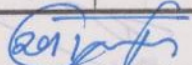
## Annual Teaching - Plan Academic Year (201 -201 )

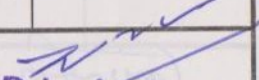
Faculty : Arts / Science Department : \_\_\_\_\_ Class : B.A./B.Sc. / M.A./ M.Sc.

Semester : \_\_\_\_\_ Paper No : \_\_\_\_\_ Paper Name : \_\_\_\_\_

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
કુ	કવિતા (1) નિબંધ, મહાકાવ્ય, રાજકાવ્ય		2	૧૧, ૧૨	
	(2) મુક્તક - ગીતિકાવ્ય		2	૧૫, ૧૬	
ચવ	ગદ્યવિધાએ				
(૩)	કથાની (૨) ૩૫૦૫૧૧		૪	૧૬, ૨૨, ૨૩, ૨૪	
(૪)	નિબંધ (૪) જીવની		૪	૨૬, માર્ચ ૧, ૨, ૪,	
(૫)	આત્મકથા (૬) વ્યંગ્ય		૪	૫, ૬, ૯, ૧૧	
(૬)	ભક્તિનિબંધ (૮) રિપોર્ટ		૪	૧૨, ૧૫	
(૭)	સ્વપ્ન (૯) સમસ્યા		૪	૧૬	

  
Signature of Faculty

  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Academic Calender For 180 Days.

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

Academic Year(2018 -2019.)

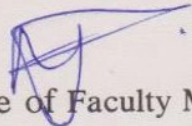
( Department of English )Name of Faculty Member Dr./Mr./ Miss. N. J. Pawar

Term	Month	Working days	Theory Periods	Practical Periods	Total Periods
First Term	June	-	-	-	-
	July	25	75	-	75
	August	24	72	-	72
	September	21	64	-	64
	October	20	59	-	59
	November	-	-	-	-
Total 1		90	270	-	270
Second Term	<del>Nov.</del> December	05 25	14 77	-	14 77
	January	25	71	-	71
	February	23	72	-	72
	March	12	36	-	36
Total 2		90	270	-	270
Total 1 + 2		180	540	-	540

Total Working Days = 180

Total Theory Periods = 540

Total Practical Periods = -

  
 Signature of Faculty Member

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

REVISED TIME TABLE 2018-19 (Science Faculty) W.E.F. 17-7-2018

Dept. *English*

Name of Teacher *Mr. N. J. Pawar.*

Time →	7:00	7:50	8:40	09:30	10:35	11:25	12:15	1:35	2:25	3:15	4:05	4:55
Day ↓	To 7:50	To 8:40	To 09:30	To 10:20	To 11:25	To 12:15	To 1:05	To 2:25	To 3:15	To 4:05	To 4:55	To 5:45
MON				<i>B.A. II Opt. 03</i>		<i>B.A. III Opt. 03</i>	<i>B.A. III Major 01</i>					
TUE				<i>B.A. II Opt. 03</i>		<i>B.A. III Opt. 03</i>	<i>B.A. III Major 01</i>					
WED						<i>B.A. III Opt. 03</i>						
THU						<i>B.A. III Opt. 03</i>						
FRI		<i>B.A. III Major 03</i>	<i>B.A. I Comp 03</i>		<i>B.A. I Opt. 03</i>	<i>B.A. III Opt. 03</i>	<i>B.A. III Major 01</i>					
SAT		<i>B.A. III Major 03</i>	<i>B.A. I Comp 03</i>		<i>B.A. I Opt. 03</i>	<i>B.A. III Opt. 03</i>	<i>B.A. III Major 01</i>					

Note: FH- Functional Hall; 1,2,3,4 - Hostel; BD-Botany Department; ZD-Zoology Dept., Hall no 7,8,9,10 - Indoor stadium; 11,12,13,14- Main Building II Floor

Note: 10:20 to 10:35: National Anthem and 1:05 to 1:35 Lunch Break

Name of Teacher  
*Pawar N.J.*

*[Signature]*  
Head

*[Signature]*  
Principal  
**PRINCIPAL**  
Shrikrishna Mahavidyalaya  
Gunjoti Tq. Omerga



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI Eng - ~~Art~~

Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / ~~Science~~ Department : English Class : B.A./B.Sc./M.A./M.Sc. I  
Semester : I - II Paper No : I - III Paper Name : The Structure of  
Name Of Faculty : Mr. N. J. Pawar English

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
01	Introduction	-	01	06-07-2018	
02.	Syllabus	Discussion	01	07-07-2018.	
03.	Simple Sentence Pattern	Lecture	10	13-07 to 11-08	
04.	Phrases Revision	Lecture f Examples	10	18-08 to 28-09 29-09 - ...	
	Sem-II Paper-III				
05.	Complex Sentences - I	- " -	08	30- <del>11</del> to 22-12	
06.	Complex Sentences - II	- " -	08	28-12 to 19-01	
07.	The Word Formation	- " -	08	25-01 to 22-02	
08.	Guest Lecture, Test, Uni. Exam	- " -		23-02 - ...	

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI *Eng-opt.*

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / ~~Science~~ Department : *English* Class : ~~B.A./B.Sc./M.A./M.Sc.~~ *II*  
Semester : *III* Paper No : *V* Paper Name : *The Literature in English-1550-1750*  
Name Of Faculty : *Mr. N. J. Pawar*

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
01	Introduction to the Syllabus.	Lecture	01	02-07-2018.	
02.	Background Study.				
	The Essay - Its Definition, Origin and Kinds	— " —	03	03-07 to 10-07.	
03.	The Essayist - Francis Bacon - Life and Works	— " —	03	16-07 to 24-07.	
04.	Essays. 1. Of Friendship	— " —	03	30-07 to 06-08.	
05	2. Of Studies	— " —	03	07-08 to 14-08.	
06	3. Of Love	— " —	03	20-08 to 27-08.	
057	Unit Test.		01	28-08-2018.	
08.	4. Of Revenge	— " —	03	04-09 to 10-09.	
09.	5. Of Parents and Children	— " —	03	11-09 to 24-09.	
10.	University Exams		-		

Signature of Faculty

**PRINCIPAL**  
Principal  
Shrikrishna Mahavidyalaya  
Gunjoti Tal. Omerga



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / ScienceDepartment : EnglishClass : B.A./B.Sc./M.A./M.Sc. IISemester : IVPaper No : VIIPaper Name : Literature in EnglishName Of Faculty : Mr. N. J. Pawar- 1550 - 1750.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
11.	Background Study. Shakespearean Tragedy Its Characterisation & Plot.	Lecture	04	26-11 to 04-12.	
12.	William Shakespeare - Life and Works.	— " —	04	10-12 to 18-12.	
13.	Drama- Julius Caesar	— " —	14	24-12 to 12-02.	
14.	Guest Lectures, Tests	— " —		18-02	
15.	Revision	— " —		05-03	
16.	University Exams	—	—	march 2019.	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya,  
Gunjoti Tal. Omerga





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / ~~Science~~ Department : English Class : B.A./~~B.Sc./M.A./M.Sc.~~ III Eng.  
 Semester : V Paper No : IX Paper Name : 20th Century Literature  
 Name Of Faculty : Mr. N. J. Pawar

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
01	Introduction to the Syllabus	Lecture	01	02-07-2018.	
02	Unit-1. Poetry - 20th Century Poetry	— " —	02	03-07 to 06-07.	
03	T.S. Eliot's Poetry	— " —	02	07-07 to 09-07.	
04	Poem-1. The Love Song of J. Alfred Prufrock (1917)	— " —	04	10-07 to 16-07	
05	Poem-2. Preludes (1917)	— " —	05	17-07 to 27-07	
06	Unit-2. Drama 20th Century Drama	— " —	02	28-07 to 03-08.	
07	G.B. Shaw - Life and Works	— " —	04	04-08 to 10-08.	
08	Drama - Actwise Summary	— " —	12	11-08 to 01-09.	
09	Unit Test.	Written	01	04-09 to	
10	Student Seminar	Lecture	01	05-09.	
11	Unit-3. Fiction - Sons and Lovers				
	P.T.O. →				

Signature of Faculty

PRINCIPAL  
 Shrikrishna Mahavidyalaya  
 Gunjoti, Tal. Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science Department : English Class : B.A./B.Sc./M.A./M.Sc. III  
 Semester : V - VI Paper No : VI - VIII Paper Name : 20th Century English Literature  
 Name Of Faculty : Mr. N.J. Pawar

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
11.	20th Century Novel	Lecture	03	08-09 to 11-09.	
12.	D.H. Lawrence - Life & Works	— " —	04	15-09 to 22-09.	
13.	Novel - Sons and Lovers - Summary	— " —	10	24-09 to 12-10.	
14.	Revision. Uni. Exam.	— " —		13-10.	
	Sem - VI				
15.	Unit - 01. Yeats's Poetry 20th Century Poetry.	Lecture	02	26-11 to 27-11.	
16.	W.B. Yeats - Life and Works	— " —	04	30-11 to 04-12.	
17.	Poem - 1. Easter 1916	— " —	04	07-12 to 11-12.	
18.	Poem - 2. The Second Coming	— " —	04	14-12 to 18-12.	
19.	Poem - 3. Among School Children	— " —	04	21-12 to 28-12.	
20.	(Unit - 2.) Drama - Look Back in Anger. P.T.O. →				

Signature of Faculty

Principal  
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 Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : English Class : B.A./B.Sc./M.A./M.Sc III  
 Semester : VI Paper No : XIII Paper Name : 20<sup>th</sup> Century English Literature  
 Name Of Faculty : Mr. N. J. Pawar

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
20.	20 <sup>th</sup> Century Drama	Lecture	02	29-12 to 31-12.	
21.	John Osborne - Life and Works	— " —	04	01-01 to 07-01.	
22.	Drama - Look Back in Anger				
	all wise Summary	— " —	10	08-01 to 28-01	
23.	Unit Test.	Written	01	29-01.	
24.	Unit-3. Fiction - Lucky Jim				
	20 <sup>th</sup> Century Novel	Lecture	02	01-02 to 02-02.	
25	Kingsley Amis - Life and Works	— " —	04	04-02 to 09-02.	
26.	Novel - Lucky Jim -				
	Chapterwise Summary	— " —	10	11-02 to 01-03.	
27.	Guest Lecture, Uni. Exam.	— " —		02-03- - - -	
	* * *	* * *	* * *	* * *	

Signature of Faculty

PRINCIPAL  
 Shrikrishna Mahavidyalaya  
 Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science Department : English Class : B.A./B.Sc./M.A./M.Sc. III  
 Semester : V Paper No : X Paper Name : Introduction to Literary Criticism and Terms (Subsidiary)  
 Name Of Faculty : Mr. N. J. Pawar

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
01.	Introduction to the Syllabus	Lecture	01	04-07-2018.	
02.	Unit-01. Aristotle His Observations on Tragedy	— " —	14	05-07 to 30-08.	
03.	Unit-2. Literary Terms. 1. Allegory 2. Bathos 3. Burlesque 4. Caricature 5. Flat and Round Character	— " —	10	05-09 to 11-10.	
04.	Unit Test.	Written	01	17-10.	
05.	University Exam. P.T.O. →	Theory	-		

Signature of Faculty

**PRINCIPAL**  
Principal  
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Gunjoti Tal. Omerga



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / ~~Science~~

Department : English

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

Semester : IV

Paper No : XIV

Paper Name : Introduction to Literary

Name Of Faculty : Mr. N. J. Pawar

Criticism and Terms (Subsidiary)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
06.	Unit-1. William Wordsworth 1. His Concept of Poetic Diction 2. His Concept of Poetry.	— " —	07	28-11 to 19-12.	
		— " —	07	20-12 to 10-01.	
07.	Literary Terms 1. Paradox 2. Personification 3. Realism 4. Satire 5. Sentimentality.	— " —	10	16-01 to 13-02.	
08.	Seminar Test.	— " —	02	20-02 to 21-02.	
09.	Guest Lecture, Revision	— " —	04	27-02 to 07-02.	
10.	University Exam.	—	—		
	*	*	*	*	*

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad

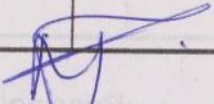


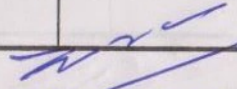
# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science Department : English Class : B.A./B.Sc./M.A./M.Sc. III  
 Semester : V - VI Paper No : XII - XVI Paper Name : Project Work on History of English Literature.  
 Name Of Faculty : Mr. N. J. Pawar

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
	<u>Sem - V</u>				
<u>01.</u>	<u>Introduction</u>	<u>Lecture</u>	<u>02</u>	<u>July 2018.</u>	
<u>02.</u>	<u>Task-I-To know about the Project</u>	<u>Guidance</u>			
<u>03.</u>	<u>Task-II-To Select the Topic for the Project.</u>	<u>Guidance</u>		<u>It is a throughout the Year Process.</u>	
	<u>VI</u>				
<u>04.</u>	<u>Completing the Project</u>	<u>Guidance</u>		<u>Feb/march 2019.</u>	
	<u>*</u>	<u>*</u>	<u>*</u>	<u>*</u>	

  
Signature of Faculty

  
**PRINCIPAL**  
Shrikrishna Mahavidyalaya  
Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science Department : English Class : B.A./B.Sc./M.A./M.Sc. III  
Semester : V - VI Paper No : XI - XV Paper Name : Indian Literature in English.  
Name Of Faculty : Mr. N. J. Pawar

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
01	Introduction to the Syllabus.	Lecture	01	06-07-2018.	
02.	Vijay Tendulkar - Life and Works.	- " -	04	07-07 to 20-07.	
03.	Drama: Drama - Silence! The Court is in Session!	- " -	10	21-07 to 25-08.	
04.	Raja Rao - Life and Works	- " -	03	31-08 to 07-09.	
05.	Novel - Kanthapura	- " -	10	08-09 to 10-13-10.	
06.	Test - Uni. Exam. Revision	- " -			
	Sem. VI				
07.	Karhad Girish - Life & Works.	- " -	04	30-11 to 08-12.	
08.	Drama - Tughlaq	- " -	10	14-12 to 12-01.	
09.	U. R. Ananthkrishna - Life & Works	- " -	02	18-01 to 19-01.	
10.	Novel - Sanskara - Rites of a Dead man	- " -	10	25-01 to 01-03.	
11.	Guest Lectures, Test, Revision, Exam	- " -			

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Principal

Shrikrishna Mahavidyalaya  
Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : English Class : B.A./B.Sc./M.A./M.Sc I  
 Semester : I - II Paper No : I - II Paper Name : Learning Language Skills  
 Name Of Faculty : Mr. N. J. Pawar

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
01	Prose-1. The Happy Prince	Lecture	03	06-07 to 20-07	
02	Poem-1. One Day I wrote Her Name	— " —	03	27-07 to 10-08	
03	Prose-2. Good Manners	— " —	03	24-08 to 07-09	
04	Poem-2. Ode on Solitude	— " —	02	21-09 to 28-09	
05	Poem-3. If. Revision	— " —	02	05-10 to 12-10	
Sem-II					
06	Prose-3. The Bet	— " —	03	30-11 to 14-12	
07	Poem-4. Where the mind is Without Fear	— " —	03	21-12 to 04-01	
08	Prose-4. The Three Questions	— " —	03	11-01 to 25-01	
09	Poem-5. The Solitary Reaper	— " —	03	01-02 to 15-02	
10	Poem-6. Ozymandias of Egypt.	— " —	02	22-02 to 01-03	
11	Guest Lecture. Uni. Exam.	— " —	01	08-03	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya,  
Gunjoti, Tal. Gunjoti, Dist. Solapur





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science Department : English Class : B.A./B.Sc./M.A./M.Sc. II  
 Semester : III - IV Paper No : III - IV Paper Name : Learning Language Skills - II  
 Name Of Faculty : Mr. N. J. Pawar

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
01	Prose-1. The Conjuror's Revenge	Lecture	03	06-07 to 21-07.	
02	Poem-1. First Love	— " —	02	28-07 to 04-08	
03	Prose-2. The Night Train at Deoli	— " —	03	11-08 to 25-08	
04	Poem-3. All the World's a Stage.	— " —	03	01-09 to 15-09	
05	Poem-2. Dover Beach, Revision	— " —	03	22-09 to 06-10.	
Sem - IV					
06	Prose-3. How to Avoid an Argument.	— " —	03	01-12 to 15-12	
07	Poem-4. How to make Much of Time	— " —	02	22-12 to 29-12.	
08	Poem-5. Night of the Scorpion	— " —	03	05-01 to 19-01.	
09	Prose-4. On Not Answering the Telephone	— " —	03	02-02 to 16-02.	
10	Poem-6. Mirror	— " —	03	23-02 to 28-02.	
11	Guest Lecture, Uni. Exam.	— " —	02	02-03 to 09-03.	
	*	*	*	*	

Signature of Faculty

PRINCIPAL  
 Shrikrishna Mahavidyalaya  
 Gunjoti Ta. Omga



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

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

Faculty : Arts / Science

Department : History

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

Semister : I

Paper No : I

Paper Name History of Maratha -

Name Of Faculty : Baldeo Karsas.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
(I)	मराठी राज्य ३५०	Lecture	10	23rd 2018 18th 2018	(2)
	मराठ्यांचे राज्य, सामाजिक, शैक्षणिक, साहित्य - मराठ्यांचे	Methods.			
(II)	शिवजींनी प्रतिपादित मराठी -		(10)	20th 2018 - 17th 2018	(2)
	दिलेले काळातील सिंहाचौ, मराठी भाषा, सामाजिक, यशो, यशो विचार				
	दिलेले मराठी भाषा				
(III)	शिवजींनी प्रतिपादित मराठी -		(12)	18th 2018 - 10th 2018	
	दिलेले मराठी भाषा				
	दिलेले मराठी भाषा				
	दिलेले मराठी भाषा				
(IV)	शिवजींनी प्रतिपादित मराठी -		08	14th 2018 - 24th 2018	
	दिलेले मराठी भाषा				
	दिलेले मराठी भाषा				
	दिलेले मराठी भाषा				

Signature of Faculty

Baldeo

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
(5)	ಇ. ಶಿವರಾಜ ಪ್ರಾಚೀನತನು ಸಾಹಿತ್ಯ	lecture methods-	(8)	5 ಸಂವತ್ಸರ - 10 ನಿಂ	(7)
(6)	ಶಿವರಾಜ ಪ್ರಾಚೀನತನು - ಸಾಹಿತ್ಯ ಪ್ರಾಚೀನತನು - ಸಾಹಿತ್ಯ ಪ್ರಾಚೀನತನು, ಶಿವ ಪ್ರಾಚೀನತನು,	       	(12)	12 ಸಂವತ್ಸರ - 4ನೇ 2018	(11)
					(12)
					(13)
					(14)
					(15)
					(16)
					(17)
					(18)
					(19)
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					(21)
					(22)
					(23)
					(24)
					(25)
					(26)
					(27)
					(28)
					(29)
					(30)

Signature of Faculty

Badolekar S.S.

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Oamanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

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 : Buddhakar S.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
①	इतिहासकी शायने - शासनायुक्त पुराणिक शायने, कौटिल्य शायने, दीर्घावली शायने, वासुदेव शायने	lecture method    	⑩	4 मई 2018 - 20 मई 2018	
②	अश्वमेध शायने - 4 शिशु शायने - शासनायुक्त, शिशु- कौटिल्य शायने, शासनायुक्त, शासनायुक्त शायने	          	⑫	22 मई 2018 17 मई - 2018.	
③	वैदिक शायने - शासनायुक्त शायने शासनायुक्त, पुराणिक शायने, शासनायुक्त शासनायुक्त शायने - शायने	       	⑫	20 मई 2018 5 मई 2018	
④	शासनायुक्त शायने - शासनायुक्त शायने शासनायुक्त, शासनायुक्त, शासनायुक्त शासनायुक्त शायने - शायने	    	12	7 मई 2018 20 मई 2018	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science      Department : History      Class : B.A./B.Sc. / M.A./ M.Sc.  
 Semester : III      Paper No : IV      Paper Name : History of Early India  
 Name Of Faculty : \_\_\_\_\_

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
(5)	ಇಂಥಾದೆಂದು ಹೇಳಲು ಸಾಧ್ಯವಿಲ್ಲದಂತಹ ಒಂದು ಸಮೀಕ್ಷಣಾತ್ಮಕ ವಿಷಯವನ್ನು ಆಧರಿಸಿದಂತೆ	Lecture	(10)	2018-2018	
	ಇಂಥಾದೆಂದು ಹೇಳಲು ಸಾಧ್ಯವಿಲ್ಲದಂತಹ ಒಂದು ಸಮೀಕ್ಷಣಾತ್ಮಕ ವಿಷಯವನ್ನು ಆಧರಿಸಿದಂತೆ	Lecture		5/10/2018-2018	
	ಇಂಥಾದೆಂದು ಹೇಳಲು ಸಾಧ್ಯವಿಲ್ಲದಂತಹ ಒಂದು ಸಮೀಕ್ಷಣಾತ್ಮಕ ವಿಷಯವನ್ನು ಆಧರಿಸಿದಂತೆ	"		4/11/2018	
	ಇಂಥಾದೆಂದು ಹೇಳಲು ಸಾಧ್ಯವಿಲ್ಲದಂತಹ ಒಂದು ಸಮೀಕ್ಷಣಾತ್ಮಕ ವಿಷಯವನ್ನು ಆಧರಿಸಿದಂತೆ	"			

Signature of Faculty

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 Shrikrishna Mahavidyalaya, Gunjoti  
 Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science Department : History Class : B.A./B.Sc. / M.A./ M.Sc. 5  
 Semester : V Paper No : 28 Paper Name : Historiography  
 Name Of Faculty : Bachchan S.S.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
①	इतिहास / भाषा / लेखन -	Lecture	⑩	20th 2018 - 18th 2019	
	इतिहास व इतिहासकार -	Method			
	इतिहास का काल, इतिहास का - शक्ति -	"			
	इतिहासकारिता का -	"			
②	इतिहास व अन्तः सामाजिक शास्त्र -	"	⑫	20th 2018 17th 2018 2018	
	इतिहास व युवाशास्त्र -	"			
	इतिहास व विज्ञान -	"			
	इतिहास व भूगोल -	"			
	इतिहास व अर्थशास्त्र -	"			
	इतिहास व समाजशास्त्र -	"			
③	इतिहास का चरण	"	⑫	20th 2018 5th 2018	
	कायनाम व इतिहास, युवाशास्त्र का चरण	"			
	सामाजिकशास्त्र व अर्थशास्त्र का चरण	"			

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science

Department : History

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

Semester : I

Paper No : IX

Paper Name : Historiography

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
(4)	इतिहास के स्रोतों का अर्थ एवं वर्गीकरण, प्राथमिक, माध्यमिक	Lecture Method	(10)	7 अक्टूबर 2018 - 20 अक्टूबर 2018	
(5)	माध्यमिक इतिहास के स्रोतों का वर्गीकरण एवं प्राथमिक - माध्यमिक प्राथमिक - माध्यमिक प्राथमिक - माध्यमिक प्राथमिक -	          	(10)	22 अक्टूबर 2018 - 7 नवंबर 2018	
(6)	इतिहास के स्रोतों का अर्थ एवं वर्गीकरण	 	08	8 अक्टूबर 2018 - 4 नवंबर 2018	

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Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

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 : Prof. Badod Karsis

(1907 - 1818)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
①	इस्रायली इतिहास परिलोकन - एकिकाली -	Lecture	⑩	26 Nov - 2018	
	काली - इतिहास - एकिकाली विवरण - इतिहास - एकिकाली -	Methods		10 Dec 2018	
②	मराठा साम्राज्य परिलोकन - मराठा साम्राज्य विवरण - मराठा साम्राज्य विवरण - अरबी - परिलोकन - मराठा साम्राज्य परिलोकन -	          	⑩	12 Dec 2018 - 22 Dec 2018	
③	मराठा साम्राज्य परिलोकन - मराठा साम्राज्य विवरण - मराठा साम्राज्य विवरण - मराठा साम्राज्य विवरण - अरबी - परिलोकन -	          	⑩	23 Dec 2018 21 Jan 2019	

Signature of Faculty

Badod Karsis

Principal





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

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 : \_\_\_\_\_

(1707-1818 AD)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
④	प्राचीन महाराष्ट्राचा इतिहास -	lecture	⑧	२०/०२/२०१९	
	महाराष्ट्राचा इतिहास	method		११	
	महाराष्ट्राचा इतिहास -	११		२० Feb 2019	
⑥	महाराष्ट्राचा इतिहास -	११	⑩	२२ Feb 2019	
	महाराष्ट्राचा इतिहास -	११		११/०२/२०१९	
	महाराष्ट्राचा इतिहास -	११		२०१९	
	महाराष्ट्राचा इतिहास -	११			
	महाराष्ट्राचा इतिहास -	११			
	महाराष्ट्राचा इतिहास -	११			

B. S. B.  
Signature of Faculty

[Signature]  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omurga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

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 : Balodkars, S.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
①	ଶିଳ୍ପ - ମୂର୍ତ୍ତିତ୍ତରଣ ସିଲ୍ପର ଶିଳ୍ପ ପୁରାତନ ଶିଳ୍ପ ସାମାଜିକ ଶିଳ୍ପ	lecture method " " "	⑩	28 Nov 2018 20 Dec 2018	
②	ଅନୁରାଜ୍ୟର ବିକାଶ ଅନୁରାଜ୍ୟର ବିକାଶ ଅନୁରାଜ୍ୟର ବିକାଶ ଅନୁରାଜ୍ୟର ବିକାଶ ଅନୁରାଜ୍ୟର ବିକାଶ	" " " " "	⑫	2 Dec 2018 10 May 2019	
③	ଶାସନ - ଶାସନ ଶାସନର ବିକାଶ ଶାସନର ବିକାଶ ଶାସନର ବିକାଶ	" " " "	⑫	12 May 2019 22 May 2019	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science

Department : History

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

Semester : II

Paper No : XIII

Paper Name : History of Ancient India

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
④	अभिज्ञान-सोपान - सोपान - अक्षय शिलो - पुराण शांति का देवता ५५	Lecture Practical 4 11 11	⑫	02 Jan 2019 07 Feb 2019	
⑤	महा अश्वमेध विजय - शिला मूल विजय विजय - महा अश्वमेध विजय	11 11	⑫	12 Feb 2019 07 Mar 2019	
⑥	महा अश्वमेध - विजय विजय -				

Signature of Faculty [Signature]

Principal [Signature]



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

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 : B. S. Deshpande

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
①	युद्धावस्थेतील साम्राज्ये -	Lecture method	12	26 नोव्हेंबर 2018	
	महान युद्धे	"		10 Dec	
	युद्धावस्थेतील व नाविके - 211/1	"		2018	
	नाविके युद्धावस्थेतील व नाविके	"			
②	युद्धावस्थेतील प्रजासत्ताक	"	12	14 Dec 2018	
	युद्धावस्थेतील व नाविके - 211/1	"			
	युद्धावस्थेतील व नाविके - 211/1	"		31 Dec 2018	
③	पहिले महायुद्धे व नाविके		12	3 जाने 2019	
	युद्धावस्थेतील व नाविके - 211/1				
	महायुद्धे व नाविके - 211/1			20 जाने 2019	
	महायुद्धे - पहिले महायुद्धे			2019	

Signature of Faculty B. S. Deshpande

Principal [Signature]



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science

Department : History

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

Semester : VI

Paper No : XIII

Paper Name : Field of History

Name Of Faculty : Radodkar S.S.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
(4)	पुस्तकाची पुराणी - शिकण्याची पुराणी विधाने मिथ्याचे शिकणे	lectured    	(12)	20 Jan 2019    20 Feb 2019	(1)
(5)	पुस्तकाची पुराणी पुराणे - भारत - पुस्तक - पुराणे - पुस्तक - पुराणे - पुस्तक - पुराणे - पुस्तक -		(12)	22 Feb 2019    2019	(2)
					(3)
					(4)
					(5)
					(6)
					(7)
					(8)
					(9)
					(10)
					(11)
					(12)

Signature of Faculty

Principal

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Tq. Omerga Dist. Osmanabad

## Academic Calendar for Teaching 180 Days

Academic Year: 2018-19

Department: Geography

Name of Faculty Member: Dr. M.T. Suryawanshi

Term	Month	Teaching Days	Theory Periods			Practical Periods		Total Periods
			I	II	III	I	II	
First Term	June	-						
	July	25	14	20	12	12	12	70
	August	24	16	19	15	12	12	74
	September	24	17	14	15	12	12	70
	October	20	17	17	16	15	12	77
	Total 1	90	64	70	58	51	48	291
Second Term	November	05	-	-	-			
	December	25	17	16	17	15	12	77
	January	25	16	19	16	12	12	75
	February	23	14	14	16	12	12	68
	March	12	09	09	06	06	03	33
	Total 2	90	56	58	55	45	69	283
Total 1 + 2 →		180 →	291 + 283 =					574

Total Teaching Days : 180

Total Theory Periods : 361

Total Practical Periods : 213

*Smt. P.*

Signature of Faculty Member

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



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science

Department : Geography

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

Semester : II<sup>nd</sup>

Paper No : III

Paper Name : Geography of Landform.

Name Of Faculty : Dr. M.T. Suryawanshi

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	Concept of landforms, Evolution and types of landforms, concept of cycle of Erosion.	Lect. Use of Map & Diagrams.		1-31 Dec. 2018	
II	Weathering: Types & Classification of weathering Mechanical, chemical & biological. soil formation.	— u —		1-31-Jan 2019	
III	Geomorphic Agents and processes. Erosion, Transportation, Deposition landforms produced by river, winds and sea waves.	— u —		1-28 Feb 2019.	
IV	Landform produced by glacier and Underground water. Applied. Geomorphology - and saddle mat, Geomorphology & Landuse, Geomorphology & Resources.	— u —		1-15 March. 2019	

Dr. M.T. Suryawanshi  
Signature of Faculty

[Signature]  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
<u>I</u>	<u>Introduction of Phy. Geography: Meaning, Nature &amp; Scope, Elements, Branches of Physical Geography.</u>	<u>Lect, use of Map Diagrams.</u>		<u>1-31 July 2018</u>	
<u>II</u>	<u>Lithospheres: Interior of the Earth, Wegner's, continental drift theory, Isostasy and plate Tectonic Theories.</u>	<u>—</u>		<u>1-31 Aug. 2018</u>	
<u>III</u>	<u>Earth Movements: Vertical &amp; Horizontal, process of folding causes and effect, process of faulting causes and effect. Volcanoes and Earthquakes.</u>	<u>—</u>		<u>1-30 Sept. 2018</u>	
<u>IV</u>	<u>Rocks: classification of rocks on the basis of origin. Properties of different rocks.</u>	<u>—</u>		<u>1-31 Oct. 2018</u>	

Signature of Faculty

Principal





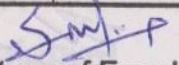
# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

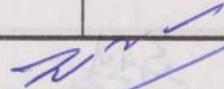
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## Annual Teaching - Plan Academic Year (2018 -2019 )

Faculty : Arts / Science Department : Geography Class : B.A./B.Sc. / M.A. / M.Sc.  
 Semester : III<sup>rd</sup> Paper No : VI Paper Name : Climatology  
 Name Of Faculty : Dr. M.T. Suryawanshi

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	Weather & Climate: Definition, nature & scope of climatology, Significance composition, & structure of Atmosphere, where & climate.	Lect. Use of Map & Diagrams.		1-31 July 2018	
II	Insolation & Temperature: Definition of Insolation & Temp., Heat Budget of the Earth, Factors affecting the distribution of solar energy. Distribution of Temp.: - Vertical & Horis., Range of Temperature:	—		1-31 Aug 2018	
III	Atmospheric pressure & Winds - Evaporation & Condensation, Hydrological cycle. Types of precipitation, World pattern of R.F. Regional & Seasonal. distribution Air masses, Fronts: cyclones.	—		1-30-Sept. 2018	
IV	Role of climate in human life: Pollution & Global Warming. General causes, Consequences	—		1-31 - Oct. 2018	

  
Signature of Faculty

  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science

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

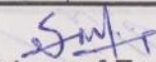
Semester : IV

Paper No : VIII

Paper Name : Oceanography

Name Of Faculty : Dr. M.T. Suryawanshi

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	Introduction of Oceanography: Def, Nature, scope. Surface configuration of ocean floors.	Lect. Use of Map & Diagram.		1-31 Dec 2018	
II	Submarine Relief: General idea, Continental. shelf, slope, Abyssal plains, oceanic trenches & Factors affecting on salinity of oceanic water. Relief of Atlantic, Pacific & Indian oceans.	—		1-31 Jan 2019	
III	Salinity & Temp. of Oceanic water: salinity causes, factors of oceanic water. Distribution of salinity in the world. Distribution of Temp. in Oceanic water.	—		1-28 Feb. 2019	
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.	—		1-15 Mar-2019	

  
Signature of Faculty

  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

5

Faculty : Arts / Science Department : Geography Class : B.A./B.Sc. L.M.A./ M.Sc.  
Semester : V Paper No : XI Paper Name : Phy. Geog. of India  
Name Of Faculty : Dr. M.T. Suryawanshi

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	India in the context of south east & south Asia. India: a land of diversities, unity within diversities, shape, size, physical land scope of India.	Lect. Use of Map & Diagrams		1-31 July 2018	
II	Drainage systems of India their functional significance Climate: Regional & seasonal variations of climate. The Monsoons.	—n—		1-31 Aug. 2018	
III	Soil types of India. their distribution and characteristics.	—n—		1-30 Sept. 2018	
IV	Natural Vegetation: forest types and their distribution. in India.	—n—		1-31 Oct. 2018	

S.M.T.  
Signature of Faculty

[Signature]  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	Nature, scope Significance & development of Agricultural geography. Origin & dispersal of Agricultural in India.	Lect. Use of Map & Diagram		1-31 Dec. 2018	
II	Agriculture in India: Land use, cropping pattern, Regional pattern of productivity in India. Agri. policy in India.	— " —		1-31 Jan 2019	
III	Distribution & production of major crops in India: <u>Rice</u> <u>Wheat</u> <u>Jowar</u> <u>Cotton</u> <u>Sugarcane</u> <u>Tea</u>	— " —		1-28 Feb. 2019	
IV	Green Revolution in India.	— " —		1-15 - Mar 2019	

S.M.T  
Signature of Faculty

[Signature]  
Principal



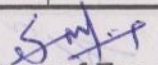
# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

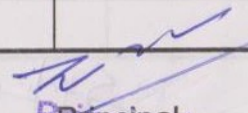
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## Annual Teaching - Plan Academic Year (2018-2019)

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I A)	Nature & Scope of Cartography. Scale: Verbal, Numerical, Liner Scale.	Lect. Use of Maps Instruments,		2-31 July 2018	
B)	Types of Liner Scale - Simple, Comparative, Diagonal, Time & Dist., Space Scale.	Diagrams.		1-31 Aug. 2018	
II (A)	Defi. of Map. History. Classification.	—n—		1-29 Sept. 2018	
(B)	Enlargement & Reduction of maps by square Method.				
III A)	Methods showing Relief —	—n—		1-31 Oct. 2018.	
(B)	Representation of slopes with the help of Contours. Even, Uneven, Gentle, Concave, Convex, Terraced slope.				

  
Signature of Faculty

  
Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omurga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science

Department : Geography

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

Semester : I & II

Paper No : V

Paper Name : Practical Geography

Name Of Faculty : Dr. M.T. Suryawanshi

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
IV	Representation of landforms by cross-section methods: Conical hill, Ridge, plateau, cliff, waterfall. U+V. Valley, Pass, spur.	Lect. Use of Map & Instruments, Diagrams.		1-30 Nov. 2018	
V A)	Conventional Signs & Symbols of SOI Maps.				
B)	Indian Toposheets - Read any three.			1-31 Jan 2019	
	Introduction, Relief, Drainage, Settlement Transportation & Communication.			1-28 Feb. 2019.	
VI	Certified Journal & Viva-voce.				

*S.M.T.P*  
Signature of Faculty

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



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

9

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science

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

Semester : I & VI

Paper No : XVIII Paper Name : Practical Geography

Name Of Faculty : Dr. M.T. Suryawanshi

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I A)	Introduction of Instrumental Survey.	Lect. Use of Map.		1-31 July 2018	
	① Chain & Tape Survey.	Instruments, &			
	② Plane Table Survey.	Diagrams			
	③ Prismatic Compass Survey.				
B)	Field Survey. using plane table & Prismatic Compass Survey.	— n —		1-31 Aug 2018	
	i) Open Travers Method				
	ii) close — n —				
II @	Prismatic Compass Survey. open close.	— n —		1-30 Sept. 2018.	
B)	Importance of Aerial photography in Geographical study	— n —		1-31 Oct. 2018	
	i) Instruments used for Aerial Survey.				
	ii) Scale of Aerial Photo.				

S.M.T.  
Signature of Faculty

[Signature]  
Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science

Department : Geography

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

Semester : VI

Paper No : XVIII

Paper Name : Practical Geography

Name Of Faculty : Dr. M.T. Suryawanshi

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
III	Representation of Bearing	Lect. Use of Map			
	i) Whole Circle Bearing.	Instruments, and		1-31 Dec-2018	
	ii) Reduced Bearing	Diagrams			
	iii) FB, B.B. of WCB.				
	iv) FB, BB of RB.	— " —		1-31 Jan 2019	
	v) Conversion of Bearing				
	a) WCB into RB.				
	b) RB into WCB.				
IV	i) Correction of Bearing	— " —		1-28 Feb 2019	
	ii) Closing Error by Bowditch Method.				
	iii) Determination of the height with the help of Abney Level.				
V	Participation in Geog. Excursion & Submission of Abney Report	— " —		1-15 Mar 2019	
VI	Certified Journal & Viva-voce.				

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Tq. Omerga Dist. Osmanabad

## Academic Calendar for Teaching 180 Days

Academic Year: 2018-19

Department: Geography

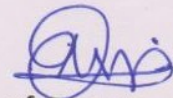
Name of Faculty Member: Koli R.G.

Term	Month	Teaching Days	Theory Periods			Practical Periods		Total Periods
			I	II	III	II	III	
First Term	June	-						
	July	25	18	16	26	15	12	87
	August	24	17	16	31	12	12	88
	September	21	14	16	33	12	15	90
	October	20	17	16	36	16	12	97
	Total 1	90	66	64	126	55	51	362
Second Term	November	05	04	04	07	03	-	18
	December	25	16	16	32	15	15	94
	January	25	18	20	33	09	12	92
	February	23	16	16	32	12	12	98
	March	12	08	08	17	06	06	45
	Total 2	90	62	64	121	45	45	347
	Total 1 + 2	180	128	128	247	100	96	699

Total Teaching Days : 180

Total Theory Periods : 503

Total Practical Periods : 196



Signature of Faculty Member



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / ~~Science~~ Department : Geography Class : B.A./~~B.Sc.~~ / ~~MA~~ / ~~M.Sc.~~  
Semester : I Paper No : II Paper Name : Human Geography  
Name Of Faculty : Koli R.G.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	प्रास्ताविक - मानवी भूगोल - व्याख्या - चरक	व्याख्यान - चर्चा	05	02-07-18-10-7-18	
	स्वरूप - व्याप्ती - मा. भूगोलाच्या शाखा	आखण - प्रश्नोत्तरे	05	11-7-18-19-7-18	
II	निसर्गमानव सहसंबंध - पर्यावरण प्रकार -	— 11 —	06	20-7-18-28-7-18	
	संकल्पना - निसर्गवाद - शक्यतावाद -	— 11 —	10	29-7-18-9-8-18	
	शांखा व जा वाद	— 11 —	04	10-8-18-16-8-18	
III	वंश - नैसर्गिक व सामाजिक रचना - जगातील	— 11 —	02	17-8-18-20-8-18	
	वंश - जगातील व भारतातील भटक्या	— 11 —	09	21-8-18-3-9-18	
	जमाती - एक्कीमो, वूशमैन, मसाई	— 11 —	10	4-9-18-20-9-18	
	गेड, गुज्जार	— 11 —			
IV	मानवी वसाहती - व्याख्या - प्रकार -	— 11 —	04	21-9-18-27-9-18	
	निर्मिती, प्रकार व वसाहतीची व्याख्यानसार	— 11 —	03	28-9-18-7-10-18	
	वर्गिकरण	— 11 —	03	8-10-18-25-10-18	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science

Department : Geography

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

Semester : III

Paper No : VII

Paper Name : Population Geography

Name Of Faculty : Koli R.G.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	लोक भूगोल - व्याख्या - स्वरूप	व्याख्यान - चर्चा	04	02.07.18-09.07.18	I
	• भारत - व्याप्ति व महत्व	उदाहरण - नकाशा	03	09.07.18-14.07.18	
	• लोक विषयक सांख्यिकीची उगम लभित	— 11 —	04	15.07.18 - 21.07.18	
II	लोकसंख्या वितरण - वितरणावर प्रभाव टाकणारे	— 11 —	04	22.07.18 - 28.07.18	II
	घटक - लोकसंख्या घनता - प्रकार	— 11 —	04	28.07.18 - 10.08.18	
	• जगातील व भारतातील लोक वितरणाची प्रारूप	— 11 —	03	11.08.18 - 16.08.18	
	• जगातील व भारतातील लोक वितरणाचे पट्टे	— 11 —	04	17.08.18 - 23.08.18	
	• जनन व मृत्यु मर्यादा	— 11 —	04	24.08.18 - 30.08.18	III
III	• लोक रचना - लिंग रचना, वय रचना,	— 11 —	04	1.09.18 - 7.09.18	
	• शहरी-ग्रामीण रचना, आर्थिक रचना -	— 11 —	04	8.09.18 - 14.09.18	
	• लोक रचनेची जागतिक प्रारूप -	— 11 —	04	15.09.18 - 21.09.18	
	• भारतातील लोकसंख्या रचना -	— 11 —	04	22.09.18 - 28.09.18	
IV	स्थलांतर - व्याख्या व वर्गीकरण -	— 11 —	05	29.09.18 - 6.10.18	VI
	• स्थलांतरावर परिणाम करणारे घटक -	— 11 —	05	7.10.18 - 18.10.18	
	• स्थलांतराचे परिणाम	— 11 —	02	19.10.18 - 21.10.18	
	• भारतातील स्थलांतर	— 11 —	02	22.10.18 - 25.10.18	

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

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. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	हवामान उपकरणांचा अभ्यास - साधा तपमापक -	उपकरण - आकृती	03	02.7.18 - 6.7.18	I
	• कमाल व कीमान तपः, ओल्गा व कोरझा फ्रॅग्याचा तपः	स्थापना	06	7.7.18 - 16.7.18	
	• निर्द्वि वायुआरमापक, फॉरिनचा वायुआरमापक -	उदाहरण	06	17.7.18 - 24.7.18	
	• वातकुकट, वायुवेगमापक, आर्द्रता मापक -	— 11 —	06	27.7.18 - 6.8.18	II
II	I DWR - सांकेतिक चिन्ह व खूणा -	— 11 —	03	7.8.18 - 12.8.18	
	• नकाशा वाचन - उन्हाळा - पावसाळा - हिवाळा -	— 11 —	06	13.8.18 - 23.8.18	
III	• नकाशा लक्षणे - व्याख्या - स्वरूप - व्याप्ती, महत्व -	— 11 —	06	23.8.18 - 2.9.18	
	• हवामान विषयक सारखी व्याख्या सादर करणे - कृत्रिम मोझाफ -	— 11 —	03	3.9.18 - 6.9.18	III
	• हॅदरगाफ, वातपूरूप, समोच्च रेखा, समताप रेखा -	— 11 —	15	7.9.18 - 7.10.18	
IV	• सारखी व्याख्या सादर करणे - रेखा लेख - स्थाना लेख	— 11 —	06	8.10.18 - 6.10.18	
	• विमर्शित वर्तुळ - विशा - आयत - टिंब पद्धत -	— 11 —	09	7.10.18 - 25.10.18	
	• क्षेत्र पद्धत - स्थानांकित वर्तुळ, थोरस व गोल	— 11 —	12	26.10.18 - 1.11.18	
V	• पृथ्वीचे मोजमापन - अक्षांश, रेखांश - वृहदवर्तुळ	— 11 —	03	14.11.18 - 20.11.18	VI
	• नकाशा प्रक्षेपण - वर्गिकरण - उपयोग - स्वमध्य समक्षेत्र	— 11 —	15	21.11.18 - 24.12.18	
	• शंकू, साईकल दंडगोल, समक्षेत्र दंडगोल व स्वमध्य	— 11 —	15	22.2.19 - 20.3.19	
	• केंद्रीय प्रक्षेपण तयार करणे	— 11 —	03	20.3.19 - 16.3.19	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
In Orange Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science

Department : Geography

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

Semester : V

Paper No : XII

Paper Name : Environmental Geography

Name Of Faculty : Koli R.G.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	पर्यावरण विज्ञान - पर्यावरण भूगोल - व्याख्या	व्याख्यान - चर्चा	04	2.7.18 - 6.7.18	I
	• व्याप्ति - स्वरूप - पर्यावरण प्रकार	उदाहरण - प्रश्नोत्तरे	04	7.7.18 - 11.7.18	
II	परिस्थितीची - जैविक व अजैविक घटक	— 11 —	04	12.7.18 - 19.7.18	II
	• संकल्पना - जीव, जीव समूह	— 11 —	04	20.7.18 - 26.7.18	
	• जैविक समाज	— 11 —	04	27.7.18 - 3.8.18	
III	परिसंस्था - एकसंघ परिसंस्थेची वैशिष्ट्ये -	— 11 —	06	4.8.18 - 13.8.18	III
	• परिसंस्था रचना - पोषक द्रव्याचे चर्चाकरण -	— 11 —	06	13.8.18 - 21.8.18	
	• परिसंस्थेचे कार्य -	— 11 —	06	22.8.18 - 30.8.18	
	• परिसंस्थेचे प्रकार -	— 11 —	06	31.8.18 - 9.9.18	
IV	पर्यावरणाचे व परिसंस्थेची समस्या -	— 11 —	04	10.9.18 - 16.9.18	IV
	• जागतिक तापवृद्धी - अन्न सुरक्षा	— 11 —	04	17.9.18 - 23.9.18	
	• निर्वनीकरण - प्लास्टिक कचरा -	— 11 —	04	24.9.18 - 30.9.18	
	• अम्ल पर्जन्य -	— 11 —	04	1.10.18 - 25.10.18	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018-2019)

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 : Koli R.G.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	• सांख्यिकी - चारका - महत्त्व	सुत्र - गणन	03	02.07.18 - 2.7.18	II
	• केंद्रीय प्रवृत्तीय मोजमापन -	स्पष्टीकरण	03	9.7.18 - 15.7.18	
	• माध्य - वैयक्तिक, खंडीत, सतत वृद्धि गणन	उदाहरण	09	16.7.18 - 26.8.18	II
	• माध्य - ————    ————	— 11 —	09	5.8.18 - 23.8.18	
	• वृद्धि - ————    ————	— 11 —	09	24.8.18 - 12.9.18	
II	• विचलनाय मोजमापन -	— 11 —	03	13.09.18 - 19.9.18	
	• प्रमाणित विचलन -	— 11 —	09	20.9.18 - 8.10.18	III
	• माध्य विचलन -	— 11 —	09	9.10.18 - 28.10.18	
	• यत्पूर्वक विचलन -	— 11 —	09	29.10.18 - 7.12.18	
III	सहसंबंध - 1) स्प्रिडरसनची पद्धत	— 11 —	09	8.12.18 - 26.12.18	
	2) कार्ड पिअरसनची पद्धत	— 11 —	09	27.12.18 - 15.1.19	
IV	• समाक्षयन समिकरण तयार करणे -	— 11 —	09	16.1.19 - 4.2.19	VI
	• न्यूनतम वर्ग पद्धतीने समिकरण तयार करणे	— 11 —	09	5.2.19 - 24.2.19	
	• समाक्षयन समिकरण 'x' वर 'y' समिकरण तयार करणे	— 11 —	09	25.2.19 - 6.3.19	
	• समा. समी. 'y' वर 'x' समी. तयार करणे	— 11 —	09	7.3.19 - 10.3.19	
	• काय वर्ग याचणी	— 11 —	09	11.3.19 - 15.3.19	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science Department : Geography Class : B.A./B.Sc. / M.A./M.Sc.  
Semester : V Paper No : XIII Paper Name : महाराष्ट्राचा औद्योगिक विकासाचा इतिहास  
Name Of Faculty : Koli R.G.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	• महाराष्ट्रातील औद्योगिक विकासाचे स्वरूप - • व्यापक - उद्योगाच्या स्थानिकीकरणाचे धरण -	व्याख्यान नकाशा वापर	04 06	27.7.18 - 9.7.18 10.7.18 - 19.7.18	I
II	• महाराष्ट्रातील उद्योगाचे वितरण व प्रकार • सुती व रेशम उद्योग - जैव रसायन उद्योग • साखर उद्योग - स्वयंपूर्ण उद्योग	थर्चा-उदाहरण — 11 — — 11 —	06 06 06	20.7.18 - 29.7.18 30.7.18 - 9.8.18 10.8.18 - 20.8.18	
III	• महाराष्ट्रातील औद्योगिक पर्यटन त्याची वैशिष्ट्ये • उद्योगाचा महाराष्ट्राचा आर्थिक विकासावर झालेला प्रभाव	— 11 — — 11 — — 11 — — 11 —	04 04 04 04	21.8.18 - 27.8.18 28.8.18 - 4.9.18 5.9.18 - 11.9.18 12.9.18 - 18.9.18	III
IV	• औद्योगिक क्षेत्रातील जागतिकीकरण भूमिका • उद्योगाच्या स्थलांतराचा शहरी उपनगरावर होणारा परिणाम • महाराष्ट्राचे बदलते औद्योगिक धरणे	— 11 — — 11 — — 11 — — 11 — — 11 —	04 04 04 04	19.9.18 - 25.9.18 28.9.18 - 10.10.18 11.10.18 - 25.10.18	IV

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Geography Class : B.A./B.Sc. / M.A./ M.Sc. I  
Semester : II Paper No : IV Paper Name : महा.चा. प्रादेशिक भूगोल  
Name Of Faculty : Kali R.G.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	महाराष्ट्र : - स्थान - आकार - विस्तार	व्यख्यान - चर्चा	04	26.11.18 - 2.12.18	I
	• वैश्लेष्य व महाराष्ट्राचे प्राकृतिक विभाग	उदाहरण - नकाशा	06	3.12.18 - 11.12.18	
II	• महाराष्ट्र : हवामान - जलप्रणाली	— 11 —	06	12.12.18 - 21.12.18	
	• मृदा - नैसर्गिक वनस्पती	— 11 —	06	22.12.18 - 2.1.19	II
III	• महाराष्ट्र - कृषि - पीक प्राकल्प -	— 11 —	02	3.1.19 - 6.1.19	
	• पीक - ज्वारी - गहू -	— 11 —	04	7.1.19 - 13.1.19	
	• तांदूळ - कापूस -	— 11 —	05	14.1.19 - 22.1.19	III
	• ऊस - तेलबिया - कउद्याज्य -	— 11 —	05	23.1.19 - 1.2.19	
	• भौगोलीक स्थिती - वितरण व उत्पादन -	— 11 —	04	2.2.19 - 8.2.19	
IV	• महाराष्ट्र : उद्योगधंदे -	— 11 —	02	9.2.19 - 12.2.19	
	• सुती वस्त्रोद्योग -	— 11 —	06	13.2.19 - 22.2.19	IV
	• साखर उद्योग -	— 11 —	06	23.2.19 - 4.3.19	
	• वाहतूक - रस्ते व रेल्वे वाहतूक -	— 11 —	06	5.3.19 - 15.3.19	

Signature of Faculty

Principal





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / ~~Science~~

Department : Geography

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

Semester : IV

Paper No : IX

Paper Name : Settlement Geography

Name Of Faculty : Koli R.G.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	• वस्ती भूगोल - व्याख्या - स्वरूप - • व्याप्ति - दायक -	व्याख्यान चर्चा-प्रश्नोत्तरे	06 06	26.11.18-5.12.18 6.12.18-15.12.18	I
	• ग्रामिण व शहरी वसाहत - व्याख्या - • वसाहतीचे शुभाश्रम व मर्यादा -	उदाहरण-आकृती —11—	04 02	16.12.18-22.12.18 23.12.18-26.12.18	II
II	वसाहती स्थान व रचना - • अंतरगत स्वरूप - व्याख्यान निर्मिती - • क्षेत्रीय प्रकार - वसाहतीचे कार्य - • धराचे प्रकार -	—11— —11— —11—	06 06 02	27.12.18-5.1.19 6.1.19-15.1.19 16.1.19-25.1.19 26.1.19-1.2.19	III
III	• वस्तीचे क्षेत्रीय संघटन • आकार - जागा • वसाहत क्षेत्रीय - • शहरी वसाहतीचा उगम व वैशिष्ट्ये	—11— —11— —11—	02 04 06	2.2.19-5.2.19 6.2.19-12.2.19 13.2.19-22.2.19	VI
IV	• भारतातील मानवी वसाहतीची दृष्टी व वैशिष्ट्ये	—11— —11—	06 02	4.3.19-12.3.19 13.3.19-15.3.19	

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Umarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Geography Class : B.A./B.Sc./M.A./M.Sc. III  
Semester : VI Paper No : XII Paper Name : Natural calamities & Geog.  
Name Of Faculty : Koli R.G.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	• नैसर्गिक आपत्ती - व्याख्या - स्वरूप -	व्याख्यान - चर्चा	03	26.11.18 - 1.12.18	
	• व्याप्ती -	उदाहरण	03	2.12.18 - 6.12.18	
II	• भूकंप - कारण - परिणाम -	— 11 —	04	7.12.18 - 13.12.18	
	• जागतिक वितरण -	— 11 —	03	14.12.18 - 19.12.18	
	• ज्वालामुखी - कारण - परिणाम -	— 11 —	04	20.12.18 - 26.12.18	
	• जागतिक वितरण -	— 11 —	03	27.12.18 - 31.12.18	
III	• भवषण - कारण - प्रकार -	— 11 —	06	1.1.19 - 9.1.19	
	परिणाम - जागतिक वितरण -	— 11 —	06	10.1.19 - 19.1.19	
	• पुर - कारण - परिणाम -	— 11 —	06	20.1.19 - 30.1.19	
	• जागतिक वितरण -	— 11 —	02	31.1.19 - 2.2.19	
	• जैविक आपत्ती -	— 11 —	04	3.2.19 - 9.2.19	
IV	• जागतिक तपमान वाढ -	— 11 —	04	10.2.19 - 16.2.19	
	हरितगृह परिणाम -	— 11 —	04	17.2.19 - 23.2.19	
	ओझोनचा क्षय -	— 11 —	04	24.2.19 - 2.3.19	
	प्रदूषण - हवा - जल - मृदा - कारण - परिणाम -	— 11 —	08	3.3.19 - 15.3.19	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018 -2019)

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

Semester : VI Paper No : XVII Paper Name : Biogeography

Name Of Faculty : Koli R.G.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
I	• जैविक भूगोल - व्याख्या-स्वरूप -	व्याख्यान	04	26.11.18-2.12.18	II
	• 31.11.18 - 8.12.18 व्याप्ती - महत्त्व -	चर्चा-उदाहरण	04	8.12.18-9.12.18	
II	• पर्यावरण :- अधिवास-वनस्पती-प्राणि संघटन-	— 11 —	06	10.12.18-19.12.18	
	• जीव प्रकार	— 11 —	08	20.12.18-2.1.19	
	• डार्विनचा उत्क्रांती वादाचा सिद्धांत	— 11 —	06	3.1.19-13.1.19	
III	• वनस्पती भूगोलाचे धटक	— 11 —	06	14.1.19-24.1.19	III
	• वनाचे वितरण व प्रकार	— 11 —	06	25.1.19-3.2.19	
	• पूर व हिमनदीमूळे नव निर्मित भूप्रदेश	— 11 —	06	4.2.19-13.2.19	
IV	• प्राणि भूगोल व पर्यावरणाशी सहसंबंध-	— 11 —	06	14.2.19-23.2.19	
	• परिसंस्था - निर्मिती व कार्य	— 11 —	06	24.2.19-10.3.19	VI
	• भारताचे राष्ट्रीय वन धोरण	— 11 —	06	11.3.19-15.3.19	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Cernga Dist. Osmanabad

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Tq. Omerga Dist. Osmanabad

## Academic Calendar for Teaching 180 Days

Academic Year 2018-2019

Department of Political Science


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

Term	Month	Teaching Days	Theory Periods			Practical Periods	Total Periods
			I	II	III		
First Term	June	5	-	-	-	-	-
	July	25	33	18	26	-	77
	August	24	32	16	24	-	72
	September	21	30	14	23	-	67
	October	20	32	17	25	-	74
	<b>Total 1</b>	<b>90</b>	<b>127</b>	<b>65</b>	<b>98</b>	<b>-</b>	<b>290</b>
Second Term	November	05	02	02	02	-	06
	December	25	33	16	25	-	74
	January	25	32	19	25	-	76
	February	23	32	15	22	-	69
	March	12	21	10	18	-	49
	<b>Total 2</b>	<b>90</b>	<b>120</b>	<b>62</b>	<b>92</b>	<b>-</b>	<b>274</b>
	<b>Total 1 + 2</b>	<b>180</b>	<b>247</b>	<b>127</b>	<b>190</b>	<b>-</b>	<b>564</b>

Total Teaching Days : 180

Total Theory Periods : 564

Total Practical Periods : -

  
Signature of Faculty Member



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science Department : Pol. sci. Class : B.A./B.Sc. / M.A. / M.Sc.  
Semester : I<sup>st</sup> Paper No : I<sup>st</sup> Paper Name : Basic concept of Political science  
Name Of Faculty : Nigade R-N.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	राज्य - उदय - विकास, राज्याच्या उदयाचा वैकी सिद्धांत ऐतिहासिक उत्क्रांतीवादचा सिद्धांत, सामा. कानून सिद्धांत	Lecture	15	2 July to 25 July.	
2.	सरकार अर्थ व्याख्या, सरकारचे प्रकार, प्रतिनिधी, मंत्रिमंडळ स्थायमंडळ. सरकारचे प्रकार ① राकात्म शासन ② संघसरकार ③ संसदीय सरकार ④ अध्यक्षीय सरकार.	— 11 —	20	26 July to 3 sept	
3.	सार्वभौम सत्ता - अर्थ, व्याख्या, प्रकार. जॉन आर्स्टिन चा सिद्धांत, अनेक सत्तावादी सिद्धांत.	— 11 —	15	4 sept. to 3 oct.	
4.	नागरिकत्व - प्राप्ती, लोप, नागरिकत्वाचे प्रकार	— 11 —	10	4 oct. to 25 oct.	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science

Department : Pol. Sci.

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

Semester : I<sup>st</sup>

Paper No : II<sup>nd</sup>

Paper Name : Govt. and Politics of

Name Of Faculty : Nigade R. N.

Maharashtra

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	<u>संघर्षत महाराष्ट्र चकवक, राज्य पुनर्रचना आयोग, संघर्षत महाराष्ट्र चकवकीचा तात्वीक पाया.</u>	<u>Lecture</u>	<u>20</u>	<u>5 July to 4 Aug.</u>	
2.	<u>महाराष्ट्र शासनाची संरचना, कार्यकारी मंडळ, राज्यपाल व मुख्यमंत्री, कार्यमंडळ, रचना अधिकार व कार्य</u>	<u>— " —</u>	<u>20</u>	<u>9 Aug. to 8 sept.</u>	
3.	<u>महाराष्ट्रतील चकवकी ① सहकार चकवक ② शेतकरी चकवक ③ दलित चकवक ④ नस्लीवादी चकवक.</u>	<u>— " —</u>	<u>20</u>	<u>14 sept. to 2 Oct.</u>	

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Umarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science

Department : Pol. Sci.

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

Semester : II<sup>nd</sup>

Paper No : IV

Paper Name : Govt. and politics of

Name Of Faculty : Nigade R. N.

Maharashtra

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	पंचायतराज व्यवस्था → ① ग्रामपंचायत- रचना व व्यवस्था कार्य ② पंचायत समिती- रचना व कार्य ③ जिल्हा परिषद - रचना व कार्य.	Lecture	30	29 Nov. to 18 Jan.	
2.	राजकीय पक्षांची विचारधारा व कार्यक्रमें ① आरंभ भारतीय राष्ट्रीय काँग्रेस ② भारतीय जनता पार्टी ③ शिवसेना ④ रिपब्लिकन पार्टी ऑफ इंडिया ⑤ भारीय वृद्धजन महासंग ⑥ कम्युनिष्ट पार्टी ऑफ इंडिया C.P.I. ⑦ कम्युनिष्ट पार्टी ऑफ (मार्क्सवादी) C.P.M.	— " —	30	19 Jan to 15 Mar.	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
To. Omerga Dist. Osmanabad





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science

Department : Pol. Sci.

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

Semester : III<sup>rd</sup>

Paper No : VII

Paper Name : International Relations

Name Of Faculty : Nigade R. N.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	आंतरराष्ट्रीय संबंध अर्थ, व्याख्या - स्वल्प - खाती महत्व	Lecture	12	2 July. to 21 July.	
2.	आंतरराष्ट्रीय संबंधाचे अभ्यासविषयक इष्टीकोन ① आदर्शवादी इष्टीकोन ② वास्तववादी इष्टीकोन ③ वर्तनवादी इष्टीकोन	— II —	12	23 July. to 11 Aug.	
3.	राष्ट्रीय हित - अर्थ - आधार • राष्ट्रशक्ती - अर्थ आधार	— II —	12	13 Aug to 30 Aug.	
4.	संतासंलग्न - अर्थ - तंत्रे - प्रकार.	— II —	12	31 Aug. to 18 Sept.	
5.	शान्ताचे परराष्ट्र धोरण - तत्वे आणि उद्दिष्टे	— II —	12	21 Sept to 13 Oct.	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science

Department : Pol. Sci.

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

Semester : IV

Paper No : VIII

Paper Name : International Relations

Name Of Faculty : Nigade R. N.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	सांख्यिक न्यायिता आणि युक्तो, सांख्यिक न्यायिता चा अर्थ व स्वरूप	Lecture — u —	12	26 Nov. to 10 Dec.	
2.	लजावनीयता - अर्थ व स्वरूप, वैशिष्ट्ये प्रकार	— u —	12	11 Dec. to 29 Dec.	
3.	जागतिक राजकारणातील महत्वाचे प्रश्न — ① दृष्टांतवाद ② पर्यावरणवाद.	— u —	12	31 Dec. to 21 Jan.	
4.	आंतरराष्ट्रीय व प्रादेशिक संघटना - व्यापारसंघ, सार्क, आशियाण	— u —	12	22 Jan. to 12 Feb.	
5.	आंतरराष्ट्रीय संघटना - अर्थ, स्वरूप, भूमिका, - चळवळीची प्रासंगिकता.	— u —	12	15 Feb. to 12 Mar.	

Signature of Faculty

Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science Department : pol. sci Class : B.A./B.Sc. / M.A./M.Sc.  
Semester : V<sup>th</sup> Paper No : IX Paper Name : Indian Political Thinkers  
Name Of Faculty : Nigade R. N.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1)	राजा राम मोहन रॉय - भारतीय प्रबोधन, स्वातंत्र्य, वृत्तपत्र स्वातंत्र्य, कायद्या, हुक्का संबंधीचे विचार	Lecture	12	2 July to 19 July	
2.	दयानंद सरस्वती - फुल्लेद्यावर्षी विचार, समाज-सुधार कार्य, वैदिक स्थापना, स्वदेशी, राष्ट्रवाद, लोकशाही इ.	- " -	12	23 July to 9 Aug.	
3.	लोकमान्य टिळक - सामा. सुधारणा व टिळक, राष्ट्रवाद, टिळकांच्या राजकारणाची चळु. सुची.	- " -	12	13 Aug to 4 sept.	
4.	महात्मा गांधी - राज. तत्वज्ञान, सत्य, अहिंसा सत्याग्रह, राष्ट्र, धर्मा संबंधी विचार गांधीवाद व साम्राज्य	- " -	12	5 sept. to 3 oct.	
5.	गोपाक कृष्ण गोखले - सामाजिक व उदारमतवादी विचार, राष्ट्रवादी विचार.	- " -	12	4 oct. to 25 Oct.	

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omurga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science

Department : Pol. Sci.

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

Semester : VI<sup>th</sup>

Paper No : XII

Paper Name : Indian political Thinkers

Name Of Faculty : Nigade R. N.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	पंडील जवाहरलाल नेहरू - पंचशील लत्वे, अहिंसा धोरण, आंतरराष्ट्रवादी, समाजवादी विचार, संसदीय लोकशाही संबंधी विचार.	Lecture	12	26 Oct. to 12 Dec	
2.	डॉ बाबासाहेब आंबेडकर - संसदीय लोकशाही लोकशाही संबंधी विचार, बौद्ध धर्म, पाक संबंधी विचार	— " —	12	13 Dec. to 7 Jan 19	
3.	राम रान रॉय - नवमानवतावाद, मुलगाामी लोकशाही, उदारमतवादी लोकशाही, गांधीवाद व मार्क्सवाद बाबा - चे विचार	— " —	12	8 Jan to 29 Jan	
4.	मौलाना अबुल कलाम आझाद - धर्माबाबा चे विचार, हिंस्र राष्ट्रवाद, आझाद व हिंदू-मुसलीम संघर्ष	— " —	12	29 Jan. to 18 Feb.	
5.	जयप्रकाश नारायण - समाजवादी विचार, लोकशाही संबंधी विचार, 'संपूर्ण कांती संबंधी' विचार.	— " —	12	19 Feb. to 14. Mar	

Signature of Faculty

Principal  
Shrikrishna Mahavidyalaya, Gunjoti  
Tal. Umarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science

Department : Pol. Sci.

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

Semester : VI<sup>th</sup>

Paper No : XIII

Paper Name : Western Political Thinkers

Name Of Faculty : Nigade R. N.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1.	जीन जैक रूसो - जीवन परिचय, माणवी स्वभाव, सामाजिक करार सिद्धांत, सामुखिक ईष्ट	Lecture	10	30 Nov. to 29 Dec.	
2.	जेरेमी बेथॅम - राज्या संबंधी विचार, सरकार संबंधी विचार, कायदा व सुधारणा, एकता संबंधी विचार.	- II -	10	4 Jan. to 2 Feb.	
3.	प्रो. हबॅरट लॉक - सार्वभौमत्वा संबंधी विचार राजकीय विचार, स्वातंत्र्या संबंधी विचार	- II -	10	8 Feb to 9 Mar.	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Tq. Omerga Dist. Osmanabad

## Academic Calendar for Teaching 180 Days

Academic Year 2018-19

Department of Political science

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

Paper No - Pol - 105, 107, 111, 114, 110 & 113

Term	Month	Teaching Days	Theory Periods	Practical Periods	Total Periods
First Term	June	—	—	—	—
	July	25	$16+16+8=40$	16	56
	August	24	$16+16+8=40$	16	56
	September	21	$14+14+7=35$	14	49
	October	20	$14+14+7=35$	14	49
	Total 1	90	$60+60+30=150$	60	210
Second Term	November	05	$4+4+2=10$	4	14
	December	25	$16+16+8=40$	16	56
	January	25	$16+16+8=40$	16	56
	February	23	$14+14+7=35$	14	49
	March	12	$10+10+5=25$	10	35
	Total 2	90	$60+60+30=150$	60	210
	Total 1 + 2	180	$120+120+60=300$	120	420

Total Teaching Days : 180

Total Theory Periods : 300

Total Practical Periods : 120

Project

Raut

Signature of Faculty Member



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

(Annual Teaching - Plan Academic Year (2018-2019))

Faculty : Arts / Science Department : Pol. sci. Class : B.A./B.Sc. / M.A./ M.Sc. I  
Semester : III & IV Paper No : Pol-105, 107 Paper Name : Indian Govt. & Politics  
Name Of Faculty : Prabhat Raut

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1	भारतीय राज्यघटना - उगमस्थाने, सरनामा, घटनेची वैशिष्ट्ये.	Lecture	12	July	
2	घटनात्मक तरतुदी - मुलभूत अधिकार, राज्यची मागदिवशक्ति तत्वे	— 11 —	12	July-4+8 Aug.	
3	भारतीय संघराज्य शासन - राष्ट्रपती, भारतीय संसद, भारतचा पंतप्रधान	— 11 —	12	Aug-8+4 sept.	
4	अर्थसंकल्पीय प्रक्रिया आणि संसदीय समित्या	— 11 —	12	sept-10+2 oct.	
5	राजकीय संस्था	— 11 —	12	oct.	
6	सर्वोच्च न्यायालय - रचना, कार्ये, अधिकार, न्यायालयीन पुनरावलोकन	— 11 —	12	Nov. 4+8 Dec.	
7	केंद्र-राज्य संबंध	— 11 —	12	Dec-8+4 Jan.	
8	भारतीय राजकीय पक्षांचे तत्वज्ञान व कार्यक्रम	— 11 —	12	Jan.	
9	निवडणुके आयोग आणि निवडणुके सुधारणा	— 11 —	12	Feb.	
10	भारतीय लोकशाहीपुढील आव्हाने	— 11 —	12	Feb. 2+10 Mar.	

Signature of Faculty

Principal





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018-2019)

Faculty : Arts / Science Department : Pol. Sc. Class : B.A./B.Se. / M.A. / M.Sc. III  
Semester : V & VI Paper No : Pol-111 & 114 Paper Name : Political Ideologies  
Name Of Faculty : Prabhat Raut

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1	राष्ट्रवाद Nationalism	Lecture	12	July	
2	उदारमतवाद Liberalism	— 11 —	12	July 4+8 Aug.	
3	लोकशाही Democracy	— 11 —	12	Aug-8+4 Sept.	
4	साम्राज्यवाद Imperialism	— 11 —	12	Sept. 10+2 Oct.	
5	स्त्रीविषयक विचार Feminism	— 11 —	12	Oct.	
6	समाजवाद socialism	— 11 —	12	Nov. 4+8 Dec.	
7	साम्यवाद Communism	— 11 —	12	Dec-8+4 Jan.	
8	फैसीवाद Fascism	— 11 —	12	Jan.	
9	अराज्यवाद Anarchism	— 11 —	12	Feb.	
10	पर्यावरणवाद Environmentalism	— 11 —	12	Feb. 2+10 Mar.	

Signature of Faculty

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## (Annual Teaching - Plan Academic Year (2018-2019))

Faculty : Arts / Science Department : Pol. Sc. Class : B.A./B.Sc. / M.A./M.Sc. III  
 Semister : V & VI Paper No : Pol-110 & 113 Paper Name : Western Political Thinkers  
 Name Of Faculty : Prabhat Raut

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1	लुडो प्लेटो	Lecture	12	JULY-8+4 Aug.	
2	निकोलो मकिावेली Niccolo Machiavelli	—  —	12	AUG. 4+7+1 sept. oct.	
3	थॉमस हॉब्स Thomas Hobbes	—  —	12	OCT. 6+2+4 Nov. Dec.	
4	जेम्स मिल John Stuart Mill	—  —	12	Dec. 4+8 Jan	
5	कार्ल मार्क्स Karl Marx	—  —	12	Feb-7+5 Mar.	

Prabhat Raut  
 Signature of Faculty

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

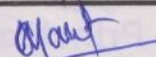


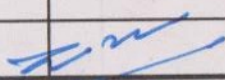
# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Annual Teaching - Plan Academic Year (2018 -2019)

Faculty : Arts / Science Department : Pol. Sc. Class : B.A./B.Sc. / M.A./M.Sc. III  
Semester : V & VI Paper No : Pol-Project Work Paper Name : Project Work  
Name Of Faculty : Prabhat Raut

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration Date/Month/year	Remark
1	प्रथम अध्याय	प्रात्यक्षिक	12	July	
2	प्रथम अध्याय	— 11 —	12	July 4+8 Aug.	
3	प्रथम अध्याय	— 11 —	12	Aug. 8+4 Sept.	
4	प्रथम अध्याय	— 11 —	12	Sept. 10+2 Oct.	
5	प्रथम अध्याय	— 11 —	12	Oct.	
6	प्रथम अध्याय	— 11 —	12	Nov. 4+8 Dec.	
7	प्रथम अध्याय	— 11 —	12	Dec 8+4 Jan.	
8	प्रथम अध्याय	— 11 —	12	Jan.	
9	प्रथम अध्याय	— 11 —	12	Feb.	
10	प्रथम अध्याय	— 11 —	12	Feb. 2+10 Mar.	

  
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Tq. Omerga Dist. Osmanabad



**SHRIKRISHNA MAHAVIDYALAYA,  
GUNJOTI**

**Academic Calendar for 180 Days**

Faculty of Arts / Science

Academic Year: (2018-2019)

(Department of Chemistry)

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

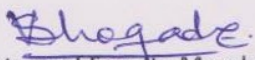
Term	Month	Working days	Theory Periods	Practical Periods	Total Periods
First Term	June	-	-	-	-
	July	25	25	64	89
	August	24	24	60	84
	September	21	21	52	73
	October	20	20	64	84
Total 1		90	90	240	330
<b>Winter Vacation 05-11-2018 to 25-11-2018</b>					
Second Term	November	05	05	16	21
	December	25	25	68	93
	January	25	25	68	93
	February	23	23	64	87
	March	12	12	16	28
Total 2		90	90	232	322
<b>Total 1 + 2</b>		<b>180</b>	<b>180</b>	<b>472</b>	<b>652</b>

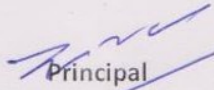
Total Working Days = 237

Total Teaching Days = 180

Total Theory Periods = 180

Total Practical Periods = 472

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2018-2019

SKMG / 2018-19

Department of Chemistry

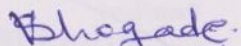
Paper No.: Paper -II (I Sem.)

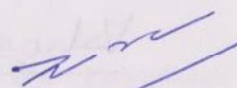
Class: B.A. / B.Sc. / M.A. / M.Sc. / I

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> Localized and delocalized chemical bond; charge transfer complexes, resonance, hyper conjugation, inductive effect, hydrogen bonding, conjugative effect, steric effect.	Lecture	6	July 12, 2018 to July 21, 2018.	
2.	<b>Mechanism of Organic Reactions:</b> 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 26, 2018 to August 16, 2018	
3.	<b>Stereochemistry of Organic Compounds :</b> 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 +Model Demonstration +LCD Projector	10	August 18, 2018 to September 8, 2018	
4.	<b>Alkanes :</b> 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 14, 2018 to September 22, 2018	

  
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## Teaching Plan Academic Year 2018-2019

SKMG / 2018-19

Department of Chemistry

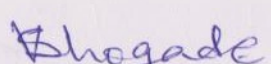
Paper No.: Paper –II (I Sem.)


Class: B.A. / B.Sc. / M.A. / M.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
5.	<b>Alkenes :</b> 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 28, 2018 to October 12, 2018	
6.	<b>Arenes and Aromaticity:</b> 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 LCD Projector	5	October 13, 2018 to October 26, 2018	
7.	<b>Alkyl and Aryl halides:</b> Polyhalogen Compounds: Chloroform, Carbon tetrachloride. Methods -formation of aryl halides, nuclear and side chain reaction.	Lecture	4	October 27, 2018 to November 3, 2018	

  
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### Teaching Plan Academic Year 2018-2019

SKMG / 2018-19

Department of Chemistry

Paper No.: Paper – IV (II Sem.)

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

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

Paper Name: Physical Chemistry

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Mathematical Concepts:</b> Logarithmic relations, curve sketching, linear graphs and calculation of slopes, differentiation of functions like $kx^m$ , $e^x$ , $\sin x$ , $\log x$ ; maxima and minima, partial differentiation.	Lecture	06 Hrs.	November 29, 2018 to December 8, 2018	
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 behavior, van der Waals equation of state. Critical Phenomena : PV isotherms of real gases. Unit test.	Lecture	08 Hrs.	December 13, 2018 to December 29 , 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 Hrs.	January 3, 2019 to January 12, 2019	
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 Hrs.	January 17, 2019 to January 31, 2019	

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## Teaching Plan Academic Year 2018-2019

SKMG / 2018-19

Department of Chemistry

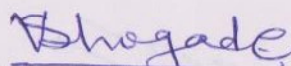
Paper No.: Paper -V (II Sem.)


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

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

Paper Name: Physical Chemistry

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
5.	<b>Colloidal State :</b> 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 & LCD Projector	8 Hrs.	February 7, 2019 to February 22, 2019	
6.	<b>Chemicals Kinetics and Catalysis:</b> 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. <b>Catalysis:</b> Definition, types, and characteristics of catalysis, homogeneous, heterogeneous catalysis - Enzyme catalysis and its application.	Lecture	10 Hrs.	February 23, 2019 to March 15, 2019	

  
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## Teaching Plan Academic Year 2018-2019

SKMG / 2018-19

Department of Chemistry

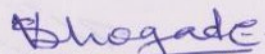
Paper No.: Paper –VIII (III Sem.)

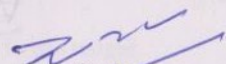
Class: B.A. / B.Sc. / M.A. / M.Sc. / II

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

Paper Name: Physical Chemistry

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / 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	July 2, 2018 to August 07, 2018	
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	August 08, 2018 to October 10, 2018	
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	October 15, 2018 to November 5, 2018	

  
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## Teaching Plan Academic Year 2018-2019

SKMG / 2018-19

Department of Chemistry

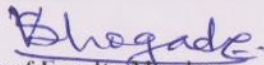
Paper No.: Paper –XI (IV Sem.)

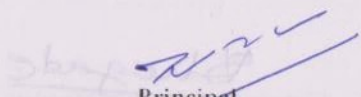
Class: B.A. / B.Sc. / M.A. / M.Sc. / II

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

Paper Name: Physical Chemistry

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / 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: $\text{HCl} - \text{H}_2\text{O}$ and Ethanol - Water System. Partially Miscible Liquids: Phenol -Water, Tri methyl Amine - Water, Nicotine- water System, Lower and Upper Consulate Temperature. Effect of Impurity on Consulate Temperature. Unit Test.	Lecture & ICT based Teaching material.	15	November 26, 2018 to January 7, 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	January 8, 2018 to February 12, 2019	

  
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**SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI**  
**Teaching Plan Academic Year 2018-2019**

SKMG / 2018-19

Department of Chemistry

Paper No.: Paper –XI (IV Sem.)

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

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

Paper Name: Physical Chemistry

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
3.	<b>Electrochemistry – II:</b>  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	February 13, 2019 to March 15, 2019	

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*V.S. Hogade*  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2018-2019

SKMG / 2018-19

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

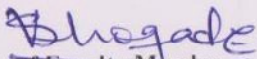
Department of Chemistry


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

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

Paper Name: Lab Course I

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
I.	<b>Volumetric Analysis :</b>  1. Preparation of 0.1N. NaOH solution and its standardization by given oxalic acid solution.  2. Preparation of 0.1 N oxalic acid solution and its standardization by given KMNO <sub>4</sub> solution.	Lecture & Demonstration	10	July 2018	
II.	<b>Inorganic Qualitative Analysis :</b>  Identify two acids and two basic radical from the given binary mixture.  a] CdSO <sub>4</sub> + NH <sub>4</sub> Cl                      b] BaCO <sub>3</sub> + Al <sub>2</sub> (NO <sub>3</sub> ) <sub>3</sub> c] ZnCO <sub>3</sub> + KBr                         d] MnCO <sub>3</sub> + MgSO <sub>4</sub> e] NiSO <sub>4</sub> + MgCO <sub>3</sub>	Lecture & Demonstration	15	August 2018, September 2018	
III.	<b>Physical Chemistry:</b>	Lecture & Demonstration	20	September 2018 & October 2018	

  
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SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI  
Teaching Plan Academic Year 2018-2019

SKMG / 2018-19

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

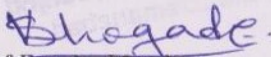
Department of Chemistry

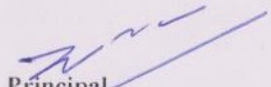
Name of Faculty Member: Dr. V.S. Hogade

Paper No.: Paper – III (I Sem.)

Paper Name: Lab Course I

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

  
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Teaching Plan Academic Year 2018-2019

SKMG / 2018-19

Department of Chemistry

Paper No.: Paper – VI (II Sem.)

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

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

Paper Name: Lab Course II

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
I.	<b>Organic Qualitative Analysis:</b> Nature / Functional group / Element / Derivative / Physical constant * Benzoic acid, * salicylic acid, * $\beta$ -naphthol, * p-nitroaniline, * Naphthalene, * Acetanilide.	Lecture & Demonstration	30	December 2018 and January 2019	
II.	<b>Organic Estimation:</b> <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 & Demonstration	15	February 2019 & March 2019	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching Plan Academic Year 2018-2019

SKMG / 2018-19

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

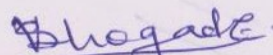
Department of Chemistry

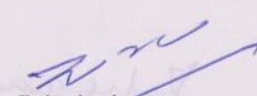
Name of Faculty Member: Dr. V.S. Hogade

Paper No.: Paper – IX (III Sem.)

Paper Name: Lab Course III (Physical Chemistry)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
I.	<b>Non Instrumental</b>  i) To determine critical solution temperature of Phenol- water system.  ii) To determine solubility of benzoic acid at different temperature and determine $\Delta H$ Of dissolution process.  iii) To determine heat of neutralization ( $\Delta H_n$ ) of NaOH and HCl  iv) To determine heat of neutralization ( $\Delta H_n$ ) of NaOH and Acetic acid.  v) Partition coefficient of Benzene – water system using benzoic acid.  vi) To determine the equilibrium constant for the reaction: $KI + I_2 \rightleftharpoons KI_3$  vii) Determine the molecular mass of polymer from viscometer measurements.  viii) To investigate the Kinetics of Iodination of acetone.	Lecture & Demonstration	45	July 2018 – October 2018	

  
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## Teaching Plan Academic Year 2018-2019

SKMG / 2018-19

Department of Chemistry

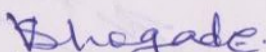
Paper No.: Paper -XII (IV Sem.)

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

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

Paper Name: Lab Course IV (Physical Chemistry)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
I.	<b>Instrumentation:</b>  i) To determine normality and strength of HCl using (0.1N) NaOH Solution Conductometrically.  ii) To determine normality and strength of acetic acid using (0.1N) NaOH solution Conductometrically.  iii) To determine normality and strength of HCl using (0.1N) NaOH solution by pH-Metrically.  iv) To Verify Lambert-Beers Law using $\text{KMnO}_4$ solution.  v) To estimate the amount of Sugar using Polarimeter.  vi) To determine refractive index of ethanol water system.  vii) To determine indicator constant of indicator colorimetrically.	Lecture & Demonstration	45	December 2018 – March 2019	

  
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**SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI**  
**Teaching Plan Academic Year 2018-2019**

SKMG / 2018-19

Department of Chemistry

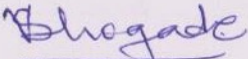
Paper No.: XV (V Sem.)

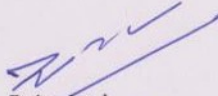
Class: B.A. / B.Sc. / M.A. / M.Sc. / Third Year

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

Paper Name: Lab Course V (Organic Chemistry)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Binary Mixture Separation</b>  Separation and Identification of both components  i) Benzoic Acid + $\beta$ -naphthol iii) $\beta$ -naphthol + Acetanilide v) $\alpha$ -naphthol + diphenyl amine vii) Salicylic Acid + Naphthalene ix) Cinnamic Acid + P- nitro aniline  ii) Salicylic Acid + P- nitro aniline iv) p-toluidine + Naphthalene vi) Cinnamic Acid + Naphthalene viii) $\beta$ -naphthol + m-dinitrobenzene x) Salicylic Acid + $\beta$ -naphthol	Lecture & Demonstration	45	July 2018 and October 2018	

  
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**SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI**  
**Teaching -Plan Academic Year 2018-2019**

SKMG / 2018-19

Department of Chemistry

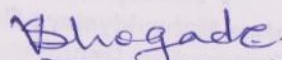
Paper No.: XVIII (VI Sem.)

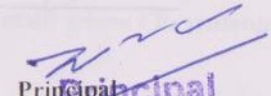
Class: B.A. / B.Sc. / M.A. / M.Sc. / Third Year

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

Paper Name: Lab Course VI (Physical Chemistry)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Instrumental</b> 1. Determine the Strength of HCl and CH <sub>3</sub> COOH in a given mixture by titrating against strong base conductometrically. 2. Determine the strength of oxalic acid conductometrically using sodium hydroxide solution. 3. To determine empirical formula of ferric -5-sulphosalicylate 4. Determine the amount of Fe <sup>2+</sup> in the given solution potentiometrically 5. To determine the refractive indices of series of salt solutions and to find out concentration of the salt in given unknown solution. <b>Non-Instrumental</b> 1. To determine the interfacial tension between two immiscible liquids. 2. To study the effect of addition of an electrolyte NaCl / KCl on the solubility of benzoic acid at room temperature. 3. To determine the standard free energy change $\Delta G^0$ and equilibrium constant for the reaction. $\text{Cu} + 2 \text{Ag}^+ = \text{Cu}^{2+} + 2 \text{Ag}$	Lecture & Demonstration	45	November 2018 and March 2019	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

## Academic Calendar For 180 Days

Faculty of Science

Academic Year: (2018-19)

(Department of CHEMISTRY)

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

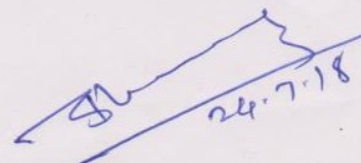
Term	Month	Working days	Theory Periods	Practical Periods	Total Periods
First Term	June	0	0	0	0
	July	25	12	72	84
	August	24	14	64	78
	September	21	11	56	67
	October	20	11	68	79
	November	0	0	0	0
<b>Total 1</b>		<b>90</b>	<b>48</b>	<b>260</b>	<b>308</b>
Second Term	November	05	02	16	18
	December	25	13	64	77
	January	25	12	72	84
	February	23	12	56	68
	March	12	07	32	39
<b>Total 2</b>		<b>90</b>	<b>46</b>	<b>240</b>	<b>286</b>
<b>Total 1 + 2</b>		<b>180</b>	<b>94</b>	<b>500</b>	<b>594</b>

Total Working Days = 237

Total Teaching Days = 94

Total Theory Period = 94

Total Practical Periods = 500



Signature of Faculty Member

## SHRIKRISHNA MAHAVIDYALAYA, GUNJIC . I

Teaching –Plan Academic Year (2018-2019)

Class: B.Sc. III.

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

Paper Name: ORGANIC CHEMISTRY

Department of Chemistry

Paper No.: XVIII (Sem .V)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
II.	<b>Organomagnesium compounds:</b>  The Grignard reagent, $C_2H_5MgBr$ formation, structure and chemical reactions. Organozinc compound, formation and chemical reactions, organolithium compound, formation and chemical reactions.	Lecture	08	2-7-2018 to 21-7-2018 to	
III.	<b>Organic Synthesis via Enolates</b>  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	31-7-2018 to 20-8-2018	
IV.	<b>Fats, oils and Natural fats.</b>  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	27-8-2018 to 20-9-2018	


I. **Spectroscopy Nuclear magnetic resonance (NMR) spectroscopy.**

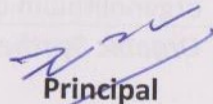
Proton magnetic resonance (<sup>1</sup>H NMR) spectroscopy, nuclear shielding and deshielding, chemical shift and molecular structure, spin-spin splitting and coupling constants, areas of signals, interpretation of PMR spectra of simple organic molecules such as ethyl bromide, ethanol, acetaldehyde, 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  $\lambda_{max}$  using woodward fischer rule

Lecture

16

27-9-2018 to  
25-10-2018

  
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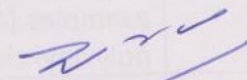
**SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI**  
Teaching –Plan Academic Year (2018-2019)

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

Class: B.Sc. III.  
Name of Faculty Member: Dr. K.S. Lohar  
Paper Name: INORGANIC CHEMISTRY

Chapter 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	June 2018 To October 2018	
2.	Separation of Cu and Ni from binary mixture solution and estimation of Cu-volumetrically and Ni-gravimetrically		04		
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.		04		
4.	Estimation of Fe by potassium dichromate using diphenyl ammine indicator.		04		
5.	Estimation of available chlorine in the given sample of bleaching powder.		04		
6.	Inorganic Qualitative Analysis (Semi-Micro Analysis) (Atleast five mixtures)		20		

  
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# SHRIKRISHNA MAHAVIDYALAYA, GANJOTI

Teaching –Plan Academic Year (2019-2019)

Department of Chemistry

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

Class: B.Sc. III.

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

Paper Name: Organic Chemistry

Chapter No. / Unit .	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<p><b>Heterocyclic Compounds:</b> 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).</p>	Lecture	13	28-11-2018 to 28-12-2018	
2.	<p><b>Carbohydrates:</b> 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</p>	Lecture	10	29,-12-2018 to 29-1-2019	
3.	<p><b>Synthetic Polymers :</b> Introduction, Classification based on nature of synthesis (without mechanism) with examples. (Addition and condensation polymers). Properties, uses and synthesis of polyvinyl chloride, polyvinyl acetate, polystyrene, polyacrylonitrile, Nylon 6, Nylon</p>	Lecture	07	29-1-2019 To 15-2-2019	
4					

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

Department of Chemistry

Class: B.Sc. III.

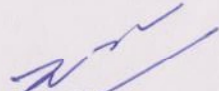
Name of Faculty Member: Dr. K.S. Lohar

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

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> 1. Determine the % composition of HCl and CH <sub>3</sub> COOH in a given mixture by titrating against strong base conductometrically. 2. Determine the strength of oxalic acid conductometrically using sodium hydroxide solution. 3. To determine empirical formula of ferric -5-sulphosalicylate 4. Determine the amount of Fe <sup>2+</sup> in the given solution potentiometrically 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	Dec.2018 To March2019	
2.	<b>Non-Instrumental</b> 1. To determine the interfacial tension between two immiscible liquids. 2. To study the effect of addition of an electrolyte NaCl / KCl on the solubility of benzoic acid at room temperature. 3. To determine the standard free energy change ΔG <sup>0</sup> and equilibrium constant for the reaction. $Cu + 2 Ag^+ = Cu^{+2} + 2 Ag$	Demonstration	12		

  
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66. Introduction to synthetic and natural rubber, properties, uses and synthesis of Buna N., Neoprene and silicon rubber.

4.

**Synthetic Dyes and Drugs:**

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, Definition, introduction, classification of drugs. Properties of ideal drug. Synthesis of chloromycetin, paracetamol, phenacetin, sulphaguainidine.

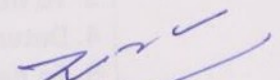
Lecture

15

16-2-2019  
To  
15-3-2019



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**SHRI KRISHNA MAHAVIDYALAYA, GUNJATI**  
Teaching –Plan Academic Year (2018-2019)

Class: B.Sc. II.

Department of Chemistry

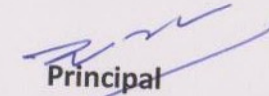
Paper No.: Paper No.: IX ( Sem.III+IV) Lab. Course. III.

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.	<p><i>Instrumental</i></p> <p>I. To determine critical solution temperature of Phenol- water system.</p> <p>II. To determine solubility of benzoic acid at different Temperature and determine H of dissolution process.</p> <p>III. To determine heat of neutralization ( Hn) of Na OH and HCl</p> <p>IV. To determine heat of neutralization ( Hn) of Na OH and Acetic acid.</p> <p>V Partition coefficient of Benzene-water system using benzoic acid.</p> <p>VI. To determine the equilibrium constant for the reaction: <math>KI + I_2 \rightleftharpoons KI_3</math></p> <p>VII. Determine the molecular mass of polymer from viscometry measurements.</p> <p>VIII To investigate the Kinetics of iodination of Acetone.</p>	Demonstration	42	June 2018 To October 2018	
2.	<p><i>Section B (Inorganic Chemistry) Gravimetric Estimation: (Any Three)</i></p> <p>1. To determine the interfacial tension between two immiscible liquids.</p> <p>2. To study the effect of addition of an electrolyte NaCl / KCl on the solubility of benzoic acid at room temperature.</p> <p>3. 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></p>	Demonstration	12	Dec.2018 To March 2019	

  
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**S'RIKRISHNA MAHAVIDYALAYA, GUNJOTI**  
Teaching –Plan Academic Year (2018-2019)

Department of Chemistry


Class: B.Sc. II.

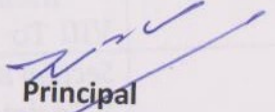
Name of Faculty Member: Dr. K.S. Lohar

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

Paper Name: **Physical Chemistry**

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
3.	<b>Complexometric Titration: (Any Two)</b> i. Estimation of Zinc by EDTA solution using EBT indicator. ii. Estimation of Nickel by EDTA using Murexide indicator iii. Estimation of copper by EDTA using fast sulphon black F indication iv. Estimation of Lead By EDTA using Xylenol Orange indicator. .	Demonstration	42	Dec.2018 To March2019	

  
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**SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI**  
Teaching –Plan Academic Year (2018-2019)

Department of Chemistry

Class: B.Sc. I.

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

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

Paper Name: Inorganic & Physical Chemistry

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<p><b>Volumetric Analysis :</b></p> <ul style="list-style-type: none"> <li>Calibration of Burette and Pipette</li> <li>Preparation of 0.1N. NaOH solution and its standardization by given oxalic acid solution.</li> <li>Preparation of 0.1 N oxalic acid solution and its standardization by given KMNO<sub>4</sub> solution.</li> </ul> <p><b>II Inorganic Qualitative Analysis : 30 Hr</b></p> <ul style="list-style-type: none"> <li>Identify two acid and two basic radical from the given binary mixture.</li> </ul> <p>a] CdSO<sub>4</sub> NH<sub>4</sub>Cl b] BaCO<sub>3</sub> + AlCl<sub>3</sub> c]. ZnCO<sub>3</sub>+ KBr d] MnCO<sub>3</sub>+ MgSO<sub>4</sub> e] NiSO<sub>4</sub> + MgCO<sub>3</sub>.</p>	Demonstration	32	Feb.1, 2018 to Feb. June 2018 To October 2018	
2.	<ul style="list-style-type: none"> <li>Eudiometer : Determination of Equivalent weight of Mg</li> <li>Viscometer : To Determine Viscosity of given liquid (Water / Ethanol) by viscometer</li> <li>Staglanometer : To determine surface tension of given liquid.                             <ul style="list-style-type: none"> <li>Chemical Kinetics : * To study the effect of acid strength on the hydrolysis of an ester.</li> </ul> </li> <li>* To determine the specific reaction rate of the hydrolysis methyl / ethyl acetate catalyzed by hydrogen ions at room temperature.</li> </ul>	Demonstration	16		

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

Department of Chemistry


Class: B.Sc. I.

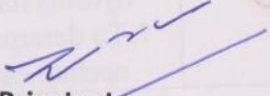
Paper No.: Paper No.: III ( Sem.I+II) Lab. Course. I.

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
3.	<b>Organic Qualitative Analysis</b> Nature / Functional group / Element / Derivative / Physical constant  * Benzoic acid, * salicylic acid, * $\alpha$ -naphthol, * p-nitroaniline, * Naphthalene, * Acetanilide.	Demonstration	24	Dec.2018 To March2019	
4.	<b>Organic Estimation:</b>  ▪ Phenol by Bromination ▪ Estimation of basicity, molecular weight of organic acid (oxalic/acetic acid)	Demonstration	12		

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

Faculty of Science

Academic Year- 2018- 2019

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	--	--	--	--	--	--	--	--
	July	25	13	12	--	12	12+12	15	76
	August	24	11	13	--	09	15+12	12	72
	September	21	11	10	--	12	06+12	12	63
	October	20	11	09	--	09	09+09	09	56
<b>Total 1</b>		<b>90</b>	<b>46</b>	<b>44</b>	<b>--</b>	<b>42</b>	<b>42+45</b>	<b>48</b>	<b>267</b>
Second Term	November	05	03	02	--	03	03+03	03	17
	December	25	12	13	--	12	12+12	09	70
	January	25	13	12	--	15	15+12	15	82
	February	23	11	12	--	12	12+12	09	68
	March	12	05	07	--	06	06+09	06	39
<b>Total 2</b>		<b>90</b>	<b>44</b>	<b>46</b>	<b>--</b>	<b>48</b>	<b>48+48</b>	<b>42</b>	<b>276</b>
<b>Total 1+2</b>		<b>180</b>	<b>90</b>	<b>90</b>	<b>--</b>	<b>90</b>	<b>90+93</b>	<b>90</b>	<b>543</b>

Total working days = 180

Total theory periods = 180

Total practical periods = 363

Signature of Faculty Member

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Tq, Omarga Dist, Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching-Plan Academic Year 2018-2019

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 Alexopoulos 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		

Signature of Faculty

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching-Plan Academic Year 2018-2019

Class: B.Sc.


Department of Botany

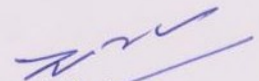
Paper No.: III (I Sem.)

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> e) <i>Batrachospermum</i>	Demonstration	03	September	
5	<b>Fungi:</b> a) <i>Albugo</i> b) <i>Mucor</i> , c) <i>Eurotium</i> 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 2018-2019

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: 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: a) Psilopsida – <i>Psilotum</i> b) Lycopsida – <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 2018-2019

Class: B.Sc.

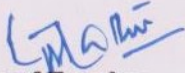
Department of Botany

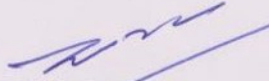
Paper No.: VIII (III Sem.)

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) <b>Climatic factors</b> – a) Light as an ecological factor, global radiation and photosynthetically active radiation b) Temperature as an ecological factor c) Water as an ecological factor, physicochemical properties of water	Lecture	06		
	B) <b>Edaphic factor</b> –Soil formation -soil profile, physicochemical properties of soil, major soil types of India, soil erosion and soil conservation		09		
2.	<b>Response of plants to water-</b> Morphological, physiological and anatomical response of plants to water – hydrophytes, xerophytes, halophytes and epiphytes <b>Phytogeography:</b> Biogeographical regions of India, vegetation types of India	Lecture	15		
3.	<b>Community ecology:</b> Community characteristics -frequency, density, life forms, biological spectrum <b>Ecosystem:</b> 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 2018-2019

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 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 2018-2019

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> i. <i>Marchantia</i>	Demonstration	7		
2.	<b>Bryophytes:</b> ii. <i>Funaria</i>	Demonstration	8		
3.	<b>Pteridophytes:</b> i. <i>Psilotum</i>	Demonstration	6		
4.	<b>Pteridophytes:</b> ii. <i>Lycopodium</i>	Demonstration	6		
5	<b>Pteridophytes:</b> iii. <i>Selaginella</i>	Demonstration	6		
6	<b>Pteridophytes:</b> iv. <i>Equisetum</i>	Demonstration	6		
7	<b>Pteridophytes:</b> v. <i>Marsilea</i>	Demonstration	6		

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching-Plan Academic Year 2018-2019

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 -C <sub>3</sub> , C <sub>4</sub> and CAM pathways <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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Class: B.A. / B.Sc. / M.A. / M.Sc.

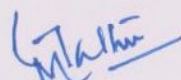
Department of **Botany**


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; 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 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 Separation of amino acids by paper chromatography	Demonstration	06		
6.	Effect of different intensities of light on photosynthesis 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 Effect of IAA and Gibberellins on seed germination	Demonstration	09		

  
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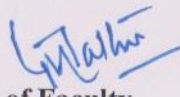
Teaching-Plan Academic Year 2018-2019

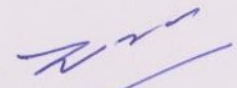
Class: B.A. / B.Sc. / M.A. / M.Sc.

Department of **Botany**  
Paper No.: **XVII (V Sem.)**

Name of Faculty: **Dr. G. M. RATHOD**  
Paper Name: **Cell and Molecular Biology (Pract.)**

Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1	Study of the cell structure from onion leaf or <i>Tradescantia</i> leaf	Demonstration	03		
2	Preparation of cytological ( AA, FAA etc.) fixatives and stains (acetocarmine, aceto-orcein).	Demonstration	03		
3	Study of electron micrographs of viruses, bacteria and cyanobacteria	Demonstration	06		
4	Study of electron micrographs of eukaryotic cell and different cell organelles	Demonstration	06		
5	Preparation of slides for the study of mitosis ( root tips of onion)	Demonstration	06		
6	Preparation of slides for the study of meiosis ( <i>Rhoeo</i> , <i>Aloe</i> or onion flower buds)	Demonstration	06		
7	Preparation of idiogram from the given micrograph of karyotype	Demonstration	03		
8	Observation of giant chromosomes in <i>Chironomous</i> larvae	Demonstration	03		
9	Preparation of wool models of mitosis, meiosis, cell structure, Chromosome, DNA and RNA.	Demonstration	09		

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching-Plan Academic Year 2018-2019

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	09		
2	Working out laws of inheritance by using seed mixtures	Demonstration	12		
3	Problems based on gene interaction	Demonstration	12		
4	Problems based on sex linked inheritance	Demonstration	12		

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## 180 Days Academic Calendar

Faculty of Arts/Science /Management Science

Academic Year- 2018- 2019

Department of Botany

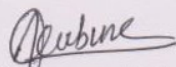
Name of Faculty: **Dr. M. G. Ambuse**

Term	Month	Working days	Theory periods			Practical periods			Total periods
			I	II	III	I	II	III	
<b>First Term</b>	June								
	July	25	12	00	13	08	00	13	106
	August	24	13	00	11	08	00	11	81
	September	21	11	00	10	06	00	12	75
	October	20	09	00	11	07	00	14	83
<b>Total 1</b>		<b>90</b>	<b>45</b>	<b>00</b>	<b>45</b>	<b>28</b>	<b>00</b>	<b>50</b>	<b>345</b>
<b>Second Term</b>	November	05	02	00	03	02	00	03	20
	December	25	13	00	12	07	00	12	82
	January 14	25	12	00	13	08	00	13	88
	February 14	23	12	00	11	08	00	12	83
	March 14	12	07	00	05	03	00	05	36
<b>Total 2</b>		<b>90</b>	<b>46</b>	<b>00</b>	<b>44</b>	<b>28</b>	<b>00</b>	<b>45</b>	<b>309</b>
<b>Total 1+2</b>		<b>180</b>	<b>91</b>		<b>89</b>	<b>56</b>		<b>95</b>	<b>654</b>

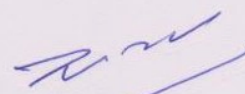
Total working days = 237

Total theory periods = 180

Total practical periods = 151



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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

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

Department of **Botany**

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

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

Paper Name: **Morphology of Angiosperms**

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / 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	5,6 July	
	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	7,12,13,14 July	
	b) Stem: Characteristics, functions, modification – underground, sub aerial and aerial	Lecture	03	19,20,21 July	
	c) Leaf: Parts of typical leaf, phyllotaxy, types (simple and compound), diversity in shape and size, venation and modifications of leaf.	Lecture	06	27,28,1,2,3,4 July/August	
2.	Morphology of reproductive organs: 2.1 Inflorescence: Racemose, cymose and special types	Lecture	05	9,10,11,16,18 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	23,24,25,30,31,1,6,7, 8,14,15,21,22,27,28, August/ Sep	
	Structure, function and modification of calyx, corolla, androecium, gynoecium, aestivation and placentation.	Lecture	06	29, 4, 5, 6, 11, 12, Sept/Octo.	
	2.3 Fruit: Types of fruits 2.4 Fruit and Seed dispersal strategies.	Lecture	04	13,19,20,25 October	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

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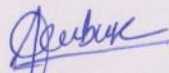
Department of Botany

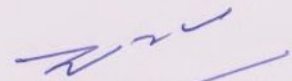
Paper No.: Bot. Paper –III (I Sem.)

Name of Faculty: Dr. M. G. Ambuse

Paper Name: III (Practical)

Chap. No. 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	3,5,10,12,17, July	
2.	Virus : Tobacco Mosaic Virus	Demonstration	03	19,24,26,7,9, July/ Aug.	
3.	Gram staining in bacteria, forms of Bacteria	Demonstration	03	14,16,21,23, ,Aug.	
4	Algae:(a) Nostoc (b) Chara (c) Botrydium (d) Sargassum (e) Batrachospermum	Demonstration	03	28,30,4,11,18, Sept./Oct.	
5	Study of flowers with respect to pollination mechanism- Calotropis, Ocimum, Salvia, Helianthus, Ficus, Clitoria	Demonstration	03	25,26,27,9,16 Sept.	
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	23,30,4,11,25,Sept. Oct.	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

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

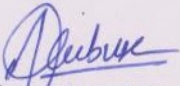
Department of Botany

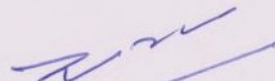
Paper No.: Bot. Paper –III (I Sem.)

Name of Faculty: Dr. M. G. Ambuse

Paper Name: III (Practical)

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	Study of root and its modifications- Tap root, Adventitious root, Storage root, Stilt root, Respiratory root	Demonstration	03	3,5,10,12,17, July	
2.	Study of stem and its modifications- Underground stem, Sub aerial stem, Aerial stem	Demonstration	03	19,24,26,7,9, July/ Aug.	
3.	Study of leaf and its diversity- Types of leaf (Simple Compound), Shape and size, Venation, Phyllotaxy, Modifications	Demonstration	03	14,16,21,23, ,Aug.	
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	28,30,4,11,18, Sept./Oct.	
5	Study of flowers with respect to pollination mechanism- Calotropis, Ocimum, Salvia, Helianthus, Ficus, Clitoria	Demonstration	03	25,26,27,9,16 Sept.	
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	23,30,4,11,25,Sept. Oct.	

  
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Teaching –Plan Academic Year (2018-2019)

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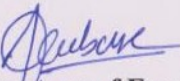
Department of Botany

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

Paper No.: **Botany, Paper –V (II Sem.)**

Paper Name: **Histology, Anatomy and Embryology**

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Types of tissue:</b> i. Meristematic tissue – Meristem, structure and types based on origin and position.	Lecture	03	29,30, 1, November/ December	
	ii. Permanent tissues: Simple, Complex and Secretary	Lecture	06	6,7,8,13,14,15, December	
	iii. Epidermal tissues: Trichomes and Stomata b) Histological organization of root and shoot apices c) Various theories of cellular organization	Lecture	06	20,21,22, 27,28,29, December	
2.	<b>Anatomy:</b> a) Primary structure of root, stem and leaf of Monocot (Maize) and Dicot (Sunflower)	Lecture	07	3,4,5,10,11,12,17, 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	18,19,24,25,31,1,2,7, January/ February	
3.	<b>Embryology:</b> a) Structure of anther, microsporogenesis and development of male gametophyte	Lecture	03	8,9, 14,February	
	b) Structure and types of ovule, megasporogenesis and development of female gametophyte (Polygonum type). c) Pollination -Mechanism, types and agencies.	Lecture	06	15,16,22,23,28,1, 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	2,7,8,9,14,15 March	

  
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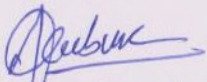
Department of **Botany**

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

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

Paper Name: **Diversity of Cryptogams (Practical)**

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of ate / Month/ Year	Remarks
1.	(a) Bryophytes :	Demonstration	02	27,29, November	
2.	i) <i>Marchantia</i>	Demonstration	02	4,6, December	
3.	ii) <i>Funaria</i>	Demonstration	02	11,13, December	
4.	b) Pteridophytes	Demonstration	03	18,20,27 December	
5.	i) <i>Psilotum</i>	Demonstration	03	1,3,8, January	
6.	ii) <i>Lycopodium</i>	Demonstration	03	10,15,17, 22 January	
7.	iii) <i>Selaginella</i>	Demonstration	03	24,31, 5, January/ February	
8.	iv) <i>Equisetum</i>	Demonstration	03	7,12,14,19,21, February	
9.	v) <i>Marsilea</i>	Demonstration	03	26,28 ,5,7,12, February/ March	

  
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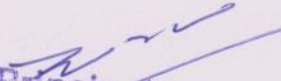
Name of Faculty: Dr. M. G. Ambuse

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

Paper Name: Histology, Anatomy and Embryology (Practical)

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of ate / Month/ Year	Remarks
1.	Meristem: root apex and shoot apex	Demonstration	03	27,29, 4, November /December	
2.	Permanent tissues – simple, complex and secretory	Demonstration	03	6, 11,13, December	
3.	Epidermal tissues: Trichomes and stomata	Demonstration	03	18,20,27 December	
4.	Anatomy of young dicot (Sunflower) and monocot (Maize) root. (Double stained permanent slide preparation)	Demonstration	03	1,3,8, January	
5.	Anatomy of young dicot (Sunflower) and monocot (Maize) stem. (Double stained permanent slide preparation)	Demonstration	03	10,15,17, January	
6.	Anatomy of dicot (Sunflower) and monocot (Maize) leaf. (Double stained permanent slide preparation)	Demonstration	03	22,24,31, January	
7.	Study of T.S. of anther	Demonstration	03	5, 7,12,February	
8.	Structure of ovule (anatropous), types of ovules	Demonstration	03	,14,19,21, 26, February	
9.	Study of Dicot and Monocot seed (embryo)	Demonstration	03	28 ,5,7,12, February/ March	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

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

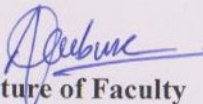
Department of Botany

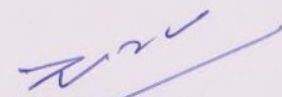
Name of Faculty: Dr. M. G. Ambuse

Paper No.: Botany, Paper –XV (V Sem.)

Paper Name: Cell Biology and Molecular Biology

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	<b>1. Cell:</b> Structure of Prokaryotic cell (Bacterial cell) and Eukaryotic cell (plant cell) <b>2. Cell wall and cell organelles:</b> Structure and functions of cell wall and Cell organelles – Golgi complex, Endoplasmic reticulum, lysosomes <b>3. Nucleus:</b> Ultra structure, (nuclear membrane, nucleolus, chromatin material, nucleoplasm), Functions of nucleus.	Lecture	15	2,3,4,9,10,11,16,17,18, 24,25,26,30,31,1, July/August	
2.	<b>1. Cell division:</b> a) Cell cycle -G1 phase, S phase, G2 phase and M phase b) Mitosis – definition, process and significance. c) Meiosis-definition, process and significance. <b>2. Nucleic acids:</b> 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	6,7,8,13,14,20,21,27,28, 29,4,5,10,11,12, Aug/September	
3.	<b>1. Chromosome:</b> Definition, morphology-size, shape, number, Ultra structure – chromatid, chromonema, chromomere, centromere, kinetochore, secondary constriction, satellite, telomere, heterochromatin, euchromatin, Nucleosome model (Woodlock 1973), chemical composition, Functions of chromosome, Giant chromosomes-polytene and lampbrush chromosome. <b>2) Chromosomal aberrations :</b> a) Structural-deletion, duplication, inversion and translocation b) Numerical: – euploidy and aneuploidy	Lecture	15	18,19,24,25,26,1,3,8,9, 10,15,16,17,22,23,24, Oct	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

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

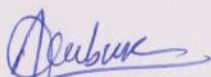
Department of Botany

Name of Faculty: Dr. M. G. AMBUSE

Paper No.: Botany, Paper –~~XVII~~<sup>XVII</sup> (V Sem.)

Paper Name: Cell Biology and Molecular Biology (Practical)

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	Study of the cell structure from onion leaf or <i>Tradescantia</i> leaf	Demonstration	03	2,4,6,9, July	
2.	Preparation of cytological ( AA, FAA etc.) fixatives and stains (Acetocarmine, aceto-orcein).	Demonstration	03	11,13,16,18, ,July	
3.	Study of electron micrographs of viruses, bacteria and cyanobacteria	Demonstration	03	20,23,25, July	
4.	Study of electron micrographs of eukaryotic cell and different cell organelles	Demonstration	06	27,30 1, 3,6,8, July/Aug.	
5.	Preparation of slides for the study of mitosis ( root tips of onion)	Demonstration	06	10,13,20,24, 27,29, August	
6.	Preparation of slides for the study of meiosis ( <i>Rhoeo</i> , <i>Aloe</i> or onion flower buds)	Demonstration	06	31,3,5,7,10,12, Aug./Sept	
7.	Preparation of idiogram from the given micrograph of karyotype	Demonstration	06	14, 17,21,24, 26,28 Sept.	
8.	Observation of giant chromosomes in <i>Chironomous</i> larvae	Demonstration	06	1,3,5,8,10,12, October	
9.	Preparation of wool models of mitosis, meiosis, cell structure, Chromosome, DNA and RNA.	Demonstration	06	15, 17, 22,24,26, 29, October	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

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 –XXX (VI Sem.)

Paper Name: Genetics and Biotechnology

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / 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	26,27,28,3,4,5,10,11,12, 17,18,19,24,26,31 November/December	
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	1,2,7,8,9,15,16,21,22,23, 28,29,30,4,5 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	6,11,12,13,18,20,25,26,27, 1,5,6,11,12,13 February/March	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

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

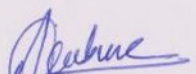
Department of Botany

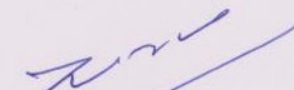
Paper No.: Botany, Paper –XXI (VI Sem.)

Name of Faculty: Dr. M. G. Ambuse

Paper Name: (Practical) Genetics and Biotechnology

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	Quiz	Demonstration	03	26,28,30, November	
2.	Working out laws of inheritance by using seed mixtures	Demonstration	06	3,5,7,10,12, 14, December	
3.	Problems based on gene interaction	Demonstration	18	17,19,21,26,28,2,4, 7,9,11, 14,16,18,21,23,25,28,30, December/ January	
4.	Problems based on sex linked inheritance	Demonstration	18	1,4,6,8,11,13,15,18,20,22,25,27, 6,8,11,13,15 Feb/March	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## 180 Days Academic Calendar

Faculty of : Science

Academic Year- 2018- 2019

Department of Botany

Name of Faculty: Dr. D. P. Chavan

Term	Month	Working days	Theory periods		Practical periods			Total periods
			II	III	I	II	III	
	July	25	13	12	04	08	08	85
	August	24	11	12	04	07	09	83
	September	21	11	11	03	09	07	79
	October	20	14	11	05	09	07	88
	<b>Total 1</b>	<b>90</b>	<b>49</b>	<b>46</b>	<b>16</b>	<b>33</b>	<b>31</b>	<b>335</b>
	November	05	03	02	01	01	01	14
	December	25	12	13	05	09	09	94
	January 14	25	13	12	03	08	08	82
	February 14	23	11	12	04	07	07	77
	March 14	12	05	07	01	04	04	39
	<b>Total 2</b>	<b>90</b>	<b>44</b>	<b>46</b>	<b>14</b>	<b>29</b>	<b>29</b>	<b>306</b>
	<b>Total 1+2</b>	<b>180</b>	<b>93</b>	<b>92</b>	<b>30</b>	<b>62</b>	<b>60</b>	<b>641</b>

Total working days = 180

Total theory periods = 185

Total practical periods = 456

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Gunjoti Ta. Omerga



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

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. 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) 2. Systems of classification- Introduction to Natural, Artificial & Phylogenetic (01)  3. Bentham and Hooker's system of classification upto series level, its merits and demerits (02)  4. Taxonomy in relation to anatomy, embryology, palynology, ecology and cytology (05)  5. Concept of Binomial Nomenclature and its advantages (02)  6. Concept of genus, species and epithet. (02)  7. Herbaria and Botanical Gardens. (05)	Lecture	20	02,03,04/7/2018 09/07/2018  10,11/7/2016  16,17,18,23,24/7/2018 25,30/7/2018 31/7 and 1/8/2018 6,7,8,13,14/8/2018	
2.	Study of the following families: systematic position , (25)  salient features, floral formula, floral diagram, common examples and their economic importance i. Annonaceae ii. Malvaceae iii. Leguminosae Fabaceae (Papilionaceae) Caesalpiniaceae Mimosaceae iv. Apocynaceae v. Solanaceae vi. Acanthaceae vii. Lamiaceae (Labiatae) viii. Nyctaginaceae ix. Liliaceae x. Poaceae (Gramineae)	Lecture	25	20,21/08/2018 27,28/08/2018  4,5,10,11,12,17/09/2018 18,19/09/2018 24,25/08/2018 26/08/2018 , 01/10/2018 3,8/10/2018 9,10/10/2018 15,16/10/2018 17,22,23/10/20198	

**Teaching –Plan Academic Year (2018-2019)**

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

Department of **Botany**

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

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

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

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of ate / Month/ Year	Remarks
1.	Study of locally available plants of the following families : 1. Annonaceae  2. Malvaceae  3. Leguminosae a) Fabaceae (Papilionaceae) b) Caesalpiniaceae c) Mimosaceae  4. Apocynaceae  5. Solanaceae  6. Acanthaceae  7. Lamiaceae (Labiatae)  8. Nyctaginaceae  9. Liliaceae  10. Poaceae (Gramineae)	Demonstration	45	10, 14/07/2018  17,21/07/2018  24,27/07/2018 1,4/08/2018 8,11/08/2018  18/08/2018  25/05/2018  29/08/, 01/09/2018  05, 08/09/2018  12, 15/09/2018  19,22/09/2018 26,29/09/2018 & 03.06/10/2018	

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Shrikrishna Mahavidyalaya  
Gurjoti Tq. Omer

**Teaching –Plan Academic Year (2018-2019)**

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

Department of **Botany**

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

Paper No.: **Paper XIII (IV Sem.)**

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

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Gymnosperms:</b> a) <b>Cycas</b> i. Habit, young leaf, bulbils, male cone, microsporophyll, megasporophyll, pollen grains, mature seed. ii. Study through permanent slides-Normal root (T.S.). Stem (T.S.), Ovule (L.S.) iii. Study through hand section-Coralloid root (T.S.), Rachis (T.S.), Leaflet (T.S.)  b) <b>Pinus</b> i. Habit, long and dwarf shoot, scale leaves, foliage leaves, male cone, female cone, pollengrains (W.M.), winged seed. ii. Study through hand sections and permanent slides Root (T.S.), Stem (T.S.), Needle (T.S.) 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) c) <b>Gnetum</b> Habit, T.S.Stem, Male and Female cone	Demonstration		28/11; 1/12/2018 5,8/11/2018 12,15/12/2018  19/11/2018-5/01/2019  9,12/01/2019	
2.	<b>Palaeobotany:</b> a) Types of fossils (Specimens) b) Lygynopteris (Specimen / Permanent slide)	Demonstration		16,19/01/2019	
3.	<b>Utilization of plants :</b> a) Food plants – Study of the morphology, structure, and histochemical tests of food storing tissue in Jowar & Wheat b) Histochemical test of lignin and cellulose c) Vegetable oils – hand section of Groundnut & Sunflower Seed and staining of oil droplets by Sudan III d) Study of the sources of Timber, Gum, Medicinal plants, Cosmotics and Perfumes e) Study of Black pepper, Clove, Cinnamon, Cumin, Coriander f) Field notebook, specimen collection, and tour report.	Demonstration		23/01/2019  30/01,2/2/2019 6,9/02/2019  13,16/02/2019 20,23/02/2019 27/02; 6/03/2019	

PRINCIPAL

Gujarat

**Teaching –Plan Academic Year (2018-2019)**

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

Department of **Botany**

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

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

Paper Name: **Gymnosperms and Utilization of Plants**

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	<p><b>Gymnosperms:</b></p> <p>1. Salient features, classification as per Sporne 1965, economic importance 02</p> <p>2. Geol. time scale, fossilization, types of fossils, Lyginopteris, fossil fuels 04</p> <p>3. Contributions of Prof. Birbal Sahani (01)</p> <p>4. Study of morphology, anatomy, reproduction (excluding developmental stages) and graphical representation of life cycle of the following types:</p> <p>a) Cycadales – Cycas (05)</p> <p>b) Coniferales – Pinus (06)</p> <p>c) Gnetales – Gnetum (05)</p>	Lecture	23	<p>26,27/11/2018</p> <p>28/11, 3,4,5/12/2018</p> <p>10/12/2018</p> <p>12,17,18,19,24/12/18</p> <p>26/12/18, 1,2,7,8,9/1/18</p> <p>15,16,21,22,23/12/18</p>	
2.	<p><b>Utilization of Plants:</b></p> <p>1. Domestication of plants and their centres of origin (02)</p> <p>2. History, origin, cultivation, harvesting, improved varieties and economic importance of the following plants: (15)</p> <p>i. Food plants – Wheat, Jowar ii ) Sugar – Sugarcane</p> <p>ii. Fibers -Cotton, Jute Vegetable oils – Groundnut, Sunflower</p> <p>iii. Beverages – Tea, Coffee</p> <p>3. Botanical name, family and economic importance of the following plants (5)</p> <p>i. Medicinal plants – Aloe vera, Withania somnifera, Curcuma longa, Vitex negundo</p> <p>ii. Timber and Gum – Teak, Neem, Babul, Sisham</p> <p>iii. Cosmetics and Perfumes – Rose, Mogara, Tuberose</p> <p>iv. Spices – Clove, Black pepper, Cumin, Coriander, Cinnamon</p>	Lecture	22	<p>28,29/12/2018</p> <p>30/12/18-27/2/18</p> <p>5,6,11,12,13/3/2018</p>	

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**PRINCIPAL**

Srikrishna Maha

Gurukul



**Teaching –Plan Academic Year (2018-2019)**

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

Department of **Botany**


Paper No. **Paper XVIII(A) Sem V**

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

Paper Name: **Diversity of Angiosperms-I**

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	<p><b>1. Biodiversity</b> (03) Definition, concept, origin and evolution</p> <p><b>2. Types of biodiversity:</b> (05) 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) 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	5,6,7/07/2018  12,13,14,19,20/7/2018  21,26,27,28/07; 2,3,4/08/2018	
2.	<p><b>Phytotaxonomy:</b> (08) Classification of Angiosperms with special reference to Linnaeus, A. P. de Candole, Bentham and Hooker.</p>	Lecture	8	09/08/2018 to 25/08/2018	
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 29,30/08 2. Nymphaeaceae 31/08; 1/9 3. Papveraceae 6,7/09 4. Brassicaceae 8,14/09 5. Capparidaceae 15,21/09 6. Rutaceae 22,27/09 7. Rhamnaceae 28,29/09 8. Combretaceae 4,5/10 9. Lythraceae 6,11/10 10. Cucurbitaceae 12,13/10 11. Apiaceae 19,20/10</p>	Lecture	22		

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**Teaching –Plan Academic Year (2018-2019)**

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. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Unit: 1</b> Plant identification: keys, herbaria and botanical gardens (04)  Origin of angiosperms: origin and evolution, Bennettitalean, Ranalian and Caytonial theory (05)  Binomial nomenclature: Principles and rules (03)  Modern trends in taxonomy: (03) Cytotaxonomy, chemotaxonomy, and numerical taxonomy	Lecture	15	29,30/11; 1,6/12/2018  7,8,13,14,15/12/2018  20,21,22/12/2018  27,28,29/12/2018	
2.	<b>Unit.2</b> 1. Phytotaxonomy: (10) Study of Engler & Prantle, Hutchinson, Takhtajan system of classification  2. Study of diversity of families: (20) a. Asclepiadaceae b. Scrophulariaceae c. Oleaceae d. Convolvulaceae e. Verbenaceae f. Amaranthaceae g. Euphorbiaceae h. Orchidaceae i. Liliaceae j. Commelinaceae	Lecture	30	3/12 to 24/01/2019  25,31/01/2019 1,2/02/2019 7,8/02/2019 9,14/02/2019 15,16/02/2019 21,22/02/2019 28/02; 1/03/2019 2,7/03/2019 8,9/03/2019 14,15/03/2019	

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**Teaching –Plan Academic Year (2018-2019)**

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

Department of **Botany**

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

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

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

Chap. No. 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		<p>29/11; 1/12/2018</p> <p>6,8/12/2018</p> <p>13,15/12/2018</p> <p>20,22/12/2018</p> <p>27,29/12/2018</p> <p>3,5/01/2019</p> <p>10,12/01/2019</p> <p>17,19/12/2019</p> <p>24/01/2019</p> <p>31/01; 1/02/2019</p> <p>6,8/02/2019</p> <p>14,16/02/2019</p> <p>21,23/02/2019</p> <p>28/02; 1/03/2019</p>	

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**PRINCIPAL**  
**Shrikrishna Mahavidyalaya**  
**Gunjoti Tq. Omerga**

Teaching –Plan Academic Year (2018-2019)

Class: B.Sc. First Year.

Department of Botany

Paper No.: Paper –III (Practical)

Name of Faculty: Dr. D. P. Chavan

Paper Name: Taxonomy of Angiosperms

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	<p>1. Study of simple and compound microscope</p> <p>2. Virus: Tobacco Mosaic Virus</p> <p>3. Gram staining in bacteria, forms of Bacteria</p> <p>4. <b>Algae:</b></p> <p>a) <i>Nostoc</i></p> <p>b) <i>Chara</i></p> <p>c) <i>Botrydium</i></p> <p>d) <i>Sargassum</i></p> <p>e) <i>Batrachospermum</i></p> <p>5. <b>Fungi:</b></p> <p>a) <i>Albugo</i></p> <p>b) <i>Mucor</i>,</p> <p>c) <i>Eurotium</i></p> <p>d) <i>Agaricus</i></p> <p>e) <i>Cercospora</i></p> <p>6. <b>Lichens:</b> Form - Crustose, Foliose, Fruticose; <i>Usnea</i>.</p> <p><b>Morphology of Angiosperms.</b></p> <p>1. <b>Study of root and its modifications:</b></p> <p>a) Tap root</p> <p>b) Adventitious root</p> <p>c) Storage roots</p> <p>d) Stilt root</p> <p>e) Respiratory root.</p> <p>2. <b>Study of stem and its modifications:</b></p> <p>a) Underground stem</p> <p>b) Sub aerial stem</p> <p>c) Aerial stem</p>	Demonstration		<p>9-7-2018</p> <p>16-7-2018</p> <p>23-7-2018</p> <p>30-7-2018 &amp;</p> <p>6-8-2018</p> <p>13,20-8-2018</p> <p>27-8-2018</p> <p>10-9-2018</p> <p>27-9-2018</p>	

<p>3. <b>Study of leaf and its diversity:</b>  a) Types of leaf (Simple, Compound)  b) Shape and size  c) Venation  d) Phyllotaxy  e) Modifications</p> <p>4. <b>Study of inflorescence:</b>  a) Racemose  b) Cymose  c) Special</p> <p>5. <b>Study of flowers:</b>  a) Typical flower (<i>Hibiscus</i> / <i>Datura</i>)  b) Hypogynous, Perigynous and Epigynous  c) Aestivation  d) Forms of corolla – cruciform, papilionaceous, infundibuliform and bilabiate  e) Parts of typical stamen, adhesion and cohesion.  f) Parts of typical carpel and placentation</p> <p>6. <b>Study of flowers with respect to pollination mechanism:</b>  a) <i>Calotropis</i>  b) <i>Ocimum</i>  c) <i>Salvia</i>  d) <i>Helianthus</i>  e) <i>Ficus</i>  f) <i>Clitoria</i></p> <p>7. <b>Study of fruits:</b>  a) Simple: legume, capsule, caryopsis, achene, drupe, berry.  b) Aggregate: an etaerio of berries, an etaerio of follicles.  c) Composite fruit: sorosis, syconus.</p> <p><b>a) Bryophytes:</b>  i. <i>Marchantia</i>  ii. <i>Funaria</i></p> <p><b>b) Pteridophytes:</b>  i. <i>Psilotum</i>  ii. <i>Lycopodium</i>  iii. <i>Selaginella</i>  iv. <i>Equisetum</i>  v. <i>Marsilea</i></p>			<p>1-10-2018</p> <p>8-10-2018</p> <p>15-10-2018</p> <p>22-10-2018</p> <p>22-10-2018</p> <p>26-11-2018</p> <p>3-12-2018</p> <p>10/24-12-2018</p>	
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**Teaching –Plan Academic Year (2018-2019)**

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. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	1. Study of herbarium 2. Study of analytical characters 3. Preparation of indented and bracketed keys 4. Study of following families: 1. Magnoliaceae 2. Nymphaeaceae 3. Papaveraceae 4. Brassicaceae 5. Capparidaceae 6. Rutaceae, 7. Rhamnaceae 8. Combretaceae 9. Lythraceae 10. Cucurbitaceae 11. Apiaceae, 5. Mounting of pollen grains (acetolysis method)	Demonstration		5,7/07/2018 12,14/07/2018 19,21/07/2018 26,28/07/2018 2,4/078/2018 9,11/08/2018 16,18/08/2018 23,25/08/2018 30/08; 1/09/2018 6,8/09/2018 15/09/2018 22/09/2018 27,29/09/2018 4,6/10/2018 11,13/10/2018	

Signature of Faculty

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# SHRIKIRSHNA MAHAVIDYALAYA, GUNJOTI

Teaching days Calendar for 180 days

Department : **PHYSICS**

Academic year **2018-2019**

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

Term	Month	Working Days	Theory Periods			Practical Periods	Total Periods
			I	II	III		
<b>First Term</b>	June	--	--	--	--	--	--
	July	25	13	13	12	36	74
	August	23	11	11	12	24	58
	September	21	10	10	11	30	61
	October	21	11	11	10	33	65
	<b>Total I</b>	<b>90</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>123</b>	<b>258</b>
<b>Second Terms</b>	First Term Examination 05 November to 25 November 2018						
	November	05	02	02	03	--	07
	December	25	12+1	12+1	13	36	75
	January	25	13+1	13+1	12	42	82
	February	23	11	11	12	36	70
	March	12	05	05	07	21	38
	<b>Total II</b>	<b>90</b>	<b>43+2</b>	<b>43+2</b>	<b>47</b>	<b>135</b>	<b>272</b>
	<b>Total I+II</b>	<b>180</b>	<b>90</b>	<b>90</b>	<b>92</b>	<b>258</b>	<b>530</b>

Total Teaching days **180**  
 Total Theory Periods **272**  
 Total Practical Periods **258**

*AS Patange*

Signature of Faculty Member.

*[Signature]*  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Department of Physics

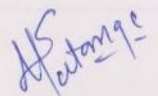
Paper No.: Phy-101, Paper –I (I Sem.)

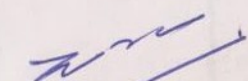
Class: B.A. / B.Sc. I / M.A. / M.Sc. / Management Science

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

Paper Name: Mechanics, Properties of Matter & Sound

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Mechanics :</b> 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	2 July 2018	
2.	<b>Elasticity</b> 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	1 Aug to 28 Aug 2018	

  
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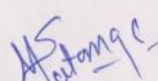
Paper No.: Phy-101, Paper –I (I Sem.)

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. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
3.	<b>Viscosity and Surface Tension:</b> Viscosity - Introduction, energy of liquid in motion, Bernoulli's Theorem, practical applications: (i) Law of hydrostatic pressure (ii) Filter pump, Poiseuille's formula. Surface Tension- Introduction, Difference of pressure across a curved surface, Determination of S.T. by Jaeger's method	Lecture	12	29 Aug. to 26 Sept. 2018	
4.	<b>Ultrasonic and Acoustics :</b> Ultrasonic- Piezo – electric effect, Piezo – electric Generator, Magnetostriction effect, Magnetostriction oscillator, Applications of ultrasonic– Depth of sea, Chemical effects, Medical applications. Acoustics- Reverberation, Acoustical demands of an auditorium, Sabine's Law – Derivation of Reverberation time, conditions of good acoustical designs of room..	Lecture	10	1 Oct. to 24 Oct. 2018	

  
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Teaching –Plan Academic Year (2018-2019)

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. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Geometrical Optics and Optical Instruments:</b> Cardinal points of optical system – Focal points, Principal points, Nodal points and corresponding planes, coaxial lens system - equivalent focal length and cardinal points. Huygens’s Eyepiece, Ramsden’s eyepiece and their cardinal points,.	Lecture	12	26 Nov to 24 Dec 2018	
2.	<b>Interference :</b> 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	26 Dec to 21 Jan 2019	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

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. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
3.	<b>Diffraction :</b> 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	22 Jan to 20 Feb 2019	
4.	<b>Polarization:</b> 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	25 Feb to 13 March 2019	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

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. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Differentiation and ordinary differential equation :</b> 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	2 July to 6 Aug 2018	
2.	<b>Statistical basis and classical statistics:</b> 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	7Aug to 10 Sept 2018	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Department of Physics

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

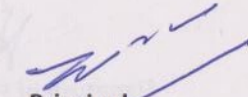
Class: B.A. / B.Sc.II / M.A. / M.Sc. / Management Science

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

Paper Name **Mathematical , Statistical Physics& Relativity**

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
3.	<b>Quantum Statics :</b> 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	11 Sept to 3 Oct 2018	
4.	<b>Theory of relativity :</b> 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	8 Oct to 24 Oct. 2018	

  
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Department of **Physics**

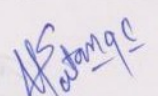
Paper No.: **Phy-205, Paper –XI (IV Sem.)**

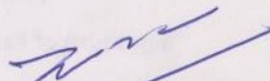
Class: B.A. / **B.Sc.II** / M.A. / M.Sc. / Management Science

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

Paper Name: **General Electronic**

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Semiconductor :</b> 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	26 Nov to 12 Dec. 2018	
2.	<b>Transistor Biasing and Amplifier :</b> 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	17 Dec. 2018 to 22 Jan 2019	

  
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Department of Physics

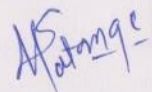
Paper No.: Phy-401, Paper –XI (IV Sem.)

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. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
3.	<b>Oscillators and Multivibrators :</b> 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	23 Jan to 27 Feb 2019	
4.	<b>Modulation and demodulation :</b> Modulation, amplitude modulation, modulation index, frequency modulation, phase modulation, demodulation, advantages of frequency modulation over amplitude modulation.	Lecture	07	5 to 19 March 2019	

  
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Teaching -Plan Academic Year (2018-2019)

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: **Practical**

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	h by photo cell	Demonstration	09	4,5,11 July 2018	
2.	e / m by Thomson tube	Demonstration	06	12,18 July 2018	
3.	Determination of $B_H$ and $B_V$ by earth's Inductor	Demonstration	06	19,25 July 2018	
4.	Measurement of low resistance using Potentiometer.	Demonstration	06	26 July & 1 Aug. 2018	
5.	Determination of A.C. mains using Sonometer.	Demonstration	06	2,8, Aug. 2018	
6.	To study specific rotation by Laurent half shade Polarimeter	Demonstration	06	9,16 Aug. 2018	
7.	Cauchy's constant by using spectrometer.	Demonstration	06	29,30 Aug.2018	
8.	Comparison of capacities by Desauty method	Demonstration	06	5,6 sept.2018	
9	Velocity of sound using Helmholtz resonator	Demonstration	06	12,19 Sept.2018	
10.	R.P. Telescope	Demonstration	06	26,27 Sept.2018	
11.	Wave length by Newton's ring	Demonstration	06	3,4 Oct. 2018	
12.	Thermal conductivity of rubber tube.	Demonstration	06	10,11 Oct. 2018	
13	Study of temperature dependence of total radiation	Demonstration	06	17,24 Oct. 2018	

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Teaching –Plan Academic Year (2018-2019)

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Department of Physics

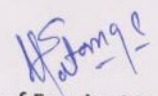
Paper No.: **Phy-501, Paper –XV (V Sem.)**

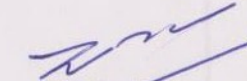
Class: B.A. / **B.Sc.III** / M.A. / M.Sc. / Management Science

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

Paper Name: **Classical and Quantum Mechanics**

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Classical Mechanics:</b> Mechanics of Particle. Mechanics of system of particles Constraints, Classification of Constraints. Virtual Work, D'Alembert's principle. Lagrange's equation, Simple application of Lagrangian formulation –Simple Pendulum, Particle in space, Linear Harmonic Oscillator, Atwood's Machine	Lecture	11	5 to 27 July 2018	
2.	<b>Origin of Quantum Theory:</b> Introduction, Failure of Classical mechanics, Black body Radiation (Distribution of Energy), Plank's Quantum theory- Plank's Quantum postulates, linear momentum of photon in terms of wave vector, Plank's radiation law-Wein's law and Rayleigh's law, Einstein's equation: Quantum theory of photoelectric effect, Quantum effect.	Lecture	12	28 July to 30 Aug. 2018	

  
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Teaching –Plan Academic Year (2018-2019)

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. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
3.	<b>Wave Particle duality:</b> 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	31 Aug to 29 Spt. 2018	
4.	<b>Schrodinger Equation and its Application:</b> 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	4 to 26 Oct. 2018	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Department of Physics

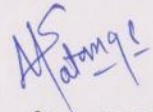
Paper No.: Phy-601, Paper –XIX (VI Sem.)

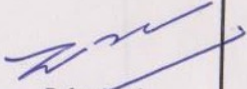
Class: B.A. / B.Sc.III / M.A. / M.Sc. / Management Science

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

Paper Name: Atomic, Molecular Physics and Laser.

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Atomic Model:</b> 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	28 Nov to 15 Dec. 2018	
2.	<b>Vector Atom Model:</b> 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	20 Dec to 10 Jan 2019	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

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. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
3.	<b>Molecular spectra:</b> 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	11 Jan to 15Feb. 2019	
4.	<b>LASER:</b> 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	16Feb to 9 March 2019	

*Dr. S.M. Patange*

Signature of Faculty Member

*[Signature]*  
Principal

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Academic Calendar for 180 Days

Faculty of Arts / Science / Management Science

Academic Year: (2018-19)

(Department of Physics)

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

Term	Month	Teaching days	Theory Periods	Practical Periods	Total Periods
First Term	June	---	---	---	---
	July	25	37	51	88
	August	23	35	48	83
	September	21	33	39	72
	October	21	29	42	71
<b>Total 1</b>		<b>90</b>	<b>134</b>	<b>180</b>	<b>314</b>
Second Term	November	05	07	09	16
	December	25	38	48	86
	January	25	37	51	88
	February	23	35	45	80
	March	12	18	24	42
<b>Total 2</b>		<b>90</b>	<b>135</b>	<b>177</b>	<b>312</b>
<b>Total 1 + 2</b>		<b>180</b>	<b>269</b>	<b>357</b>	<b>626</b>

Total Teaching Days = 180

Total Theory Periods = 269

Total Practical Periods = 357

Signature of Faculty Member



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-19

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

Department of Physics

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

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

Paper Name: Electricity and Magnetism

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / 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	29.11.2018 To 22.12.2018	
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	27.12.2018 To 19.01.2019	
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	24.01.2019 To 16.02.2019	
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	21.02.2019 To 14.03.2019	

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Tq. Omerga Dist. Solapur



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-19

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

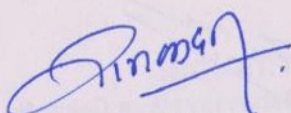
Department of Physics

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

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

Paper Name: Heat and Thermodynamics

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / 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	05.07.2018 To 26.07.2018	
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. <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	27.07.2018 To 25.08.2018	
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	30.08.2018 To 28.09.2018	
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	29.09.2018 To 26.10.2018	

  
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Tq. Omarga Dist. Solapur  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-19

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

Department of Physics

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

Paper No.: Phy-103 –III (I Sem.)

Paper Name: Practical

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	Determination of acceleration due to gravity by Kater's pendulum.	Demonstration	06	05.07.2018 to 13.07.2018	
2.	Y by bending of a beam loaded at the centre.	Demonstration	06	19.07.2018 to 27.07.2018	
3.	Determination of Y by cantilever (oscillation method).	Demonstration	06	02.08.2018 to 10.08.2018	
4.	M. I. by bifilar suspension.	Demonstration	06	16.08.2018 to 31.08.2018	
5.	S. T. by Jaeger's method.	Demonstration	06	06.09.2018 to 21.09.2018	
6.	Determination of coefficient of viscosity by Poiseuille's method.	Demonstration	06	27.09.2018 to 11.10.2018	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-19

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

Department of Physics

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

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

Paper Name: Practical

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	Y by Searl's Apparatus.	Demonstration	06	06.12.2018 to 14.12.2018	
2.	M.I. by Flywheel	Demonstration	06	20.12.2018 to 28.12.2018	
3.	Thermal conductivity of bad conductor by Lee's disc method	Demonstration	06	03.01.2019 to 11.01.2019	
4.	Study of CRO	Demonstration	06	17.01.2019 to 25.01.2019	
5.	Field along the axis of circular coil	Demonstration	06	01.02.2019 to 14.02.2019	
6.	Calibration of spectrometer	Demonstration	06	15.02.2019 to 28.02.2019	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-19

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

Department of Physics

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

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

Paper Name: Modern Physics and Nuclear Physics

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / 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	05.07.2018 To 28.07.2018	
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	02.08.2018 To 25.08.2018	
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	30.08.2018 To 28.09.2018	
4.	<b>Particle Accelerators:</b> Linear acceleration, cyclotron, synchrocyclotron, betatron, Ionisation chamber, proportional counter, Geiger – Muller counter.	Lecture	11	29.09.2018 To 26.10.2018	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-19

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

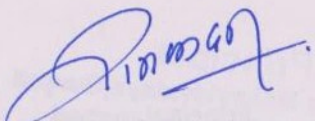
Department of Physics

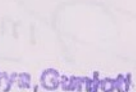
Name of Faculty Member: Dr. R. H. Kadam

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

Paper Name: Solid State Physics

Chapter No. 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	29.11.2018 To 22.12.2018	
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	27.12.2018 To 24.01.2019	
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	25.01.2019 To 22.02.2019	
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	23.02.2019 To 14.03.2019	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-19

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

Department of Physics

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

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

Paper Name: Electrodynamics

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / 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	02.07.2018 To 30.07.2018	
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	31.07.2018 To 27.08.2018	
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	28.08.2018 To 03.10.2018	
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	08.10.2018 To 24.10.2018	

Signature of Faculty Member

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Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-19

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

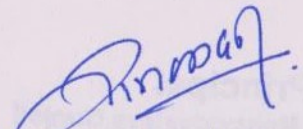
Department of Physics

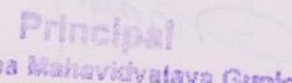
Name of Faculty Member: Dr. R. H. Kadam

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

Paper Name: Non-Conventional energy sources and Optical Fibre

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / 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. <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	26.11.2018 To 19.12.2018	
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 <b>Electrical storage:</b> Lead acid battery, basic battery theory	Lecture	10	24.12.2018 To 16.01.2019	
3.	<b>Introduction of optical fibre:</b> Introduction, importance of optical fibre, classification of optical fibre –stepped index fibre, stepped index monomode fibre, Dissadvantages of monomade fibre, plastic fibre, latest developed types of optical fibres-HPSUV, HPSIR, Halide, Tapered.	Lecture	10	21.01.2019 To 11.02.2019	
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). <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	12.02.2019 To 13.03.2019	

  
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Principal



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-19

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

Department of Physics

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

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

Paper Name: Practical

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	Thermal Conductivity by Forb's Method	Demonstration	09	02.07.2018 to 09.07.2018	
2.	Rydberg's Constant	Demonstration	09	10.07.2018 to 17.07.2018	
3.	B-H curve using magnetometer	Demonstration	09	24.07.2018 to 31.07.2018	
4.	Determination of dielectric constant of liquid / solid	Demonstration	09	06.08.2018 to 13.08.2018	
5.	I-H curve by excel	Demonstration	09	14.08.2018 to 21.08.2018	
6.	Rydberg's constant by Excel	Demonstration	09	27.08.2018 to 03.09.2018	
7.	Temperature coefficient of resistance of semiconductor	Demonstration	09	04.09.2018 to 11.09.2018	
8.	Hartmann's dispersion formula	Demonstration	09	18.09.2018 to 25.09.2018	
9.	Maxwell's Bridge	Demonstration	09	01.10.2018 to 08.10.2018	
10.	Wavelength by grating	Demonstration	09	09.10.2018 to 15.10.2018	
11.	Zener Diode	Demonstration	09	16.10.2018 to 22.10.2018	
12.	Bridge Rectifier	Demonstration	09	23.10.2018 to 26.10.2018	

Signature of Faculty Member

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Shrikrishna Mahavidyalaya, Gunjoti  
Tq.Omerga Dist.Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-19

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

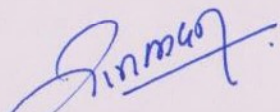
Department of Physics

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

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

Paper Name: Practical

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	Focal Length by LASER	Demonstration	09	03.12.2018 to 04.12.2018	
2.	Spectral Response of LDR	Demonstration	09	10.12.2018 to 17.12.2018	
3.	Diffraction grating using laser beam	Demonstration	09	18.12.2018 to 31.12.2018	
4.	'e' by Millikan's oil drop method	Demonstration	09	01.01.2019 to 07.01.2019	
5.	R. I. Of optical fibre	Demonstration	09	08.01.2019 to 21.01.2019	
6.	Constant of B.G.	Demonstration	09	22.01.2019 to 29.01.2019	
7.	Divergence of diode laser	Demonstration	09	04.02.2019 to 05.02.2019	
8.	Diameter of thin wire by using LASER	Demonstration	09	11.02.2019 to 12.02.2019	
9.	Wavelength of He-Ne laser	Demonstration	09	18.02.2019 to 25.02.2019	
10.	Y by Koenig's method	Demonstration	09	26.02.2019 to 04.03.2019	
11.	Edser 'A' pattern	Demonstration	09	05.03.2019 to 11.03.2019	
12.	e/m by Thomson method (Excell)	Demonstration	09	12.03.2019 to 18.03.2019	

  
Signature of Faculty Member

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Tq. Omerga, Dist. Solapur



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Department of Physics

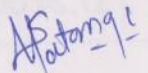
Paper No.: **Phy-207 & 208, Paper –XIII & XIV (IV Sem.)**

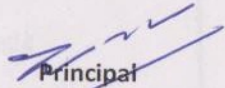
Class: B.A. / B.Sc.II / M.A. / M.Sc. / Management Science

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

Paper Name: **Practical**

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remark
1.	Energy band gap of semiconductor using thermister.	Demonstration	09	5,6,12 Dec. 2018	
2.	I-V Characteristics of solar cell.	Demonstration	06	13,19 Dec. 2018	
3.	Calibration of bridge wire using carry foster bridge.	Demonstration	09	20,26,27 Dec. 2018	
4.	Determination of absolute capacity of condenser using B.G.	Demonstration	09	3,4,10 Jan 2019	
5.	Full wave rectifier with $\mu$ filter	Demonstration	06	11,17 Jan 019	
6.	Viscosity of liquid using Searle's Viscometer	Demonstration	09	18,24 25 Jan 2019	
7.	Viscosity of liquid by Oscillating disc method	Demonstration	09	31 Jan 1,7 Feb 2019	
8.	Transistor characteristics in CE configuration.	Demonstration	06	8.14 Feb. 2019	
9.	Transistor characteristics in CB configuration	Demonstration	06	15,21 Feb. 2019	
10.	Study of CE amplifier	Demonstration	06	22 28 Feb 2019	
11.	Hartley Oscillator using transistor.	Demonstration	06	1,7 March 2019	
12.	Wien bridge oscillator using transistor.	Demonstration	06	8,14 March 2019	
13	JFET characteristics ( $r_p, g_m$ and $\mu$ )	Demonstration	06	15,21 March 2019	

  
Signature of Faculty Member

  
Principal

Principal

Shrikrishna Mah:  
Ta. Orangi

Gunjoti



# SHRIKIRSHNA MAHAVIDYALAYA, GUNJOTI

Teaching days Calendar for 180 days

Department : **Zoology**

Academic year **2018-2019**

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

Term	Month	Working Days	Theory Periods		Practical Periods		Total Periods
			I	III	I	III	
First Term	June	---	--	--	--	---	--
	July	25	13	12	15	33	73
	August	23	11	12	12	33	68
	September	21	10	11	12	27	60
	October	21	11	10	12	36	69
	<b>Total I</b>	<b>90</b>	<b>45</b>	<b>45</b>	<b>51</b>	<b>129</b>	<b>270</b>
Second Terms	November	05	03	02	03	06	14
	December	25	12	13	09	42	76
	January	25	13	12	15	33	73
	February	23	11	12	12	36	71
	March	12	06	06	03	06	21
	<b>Total II</b>	<b>90</b>	<b>45</b>	<b>45</b>	<b>42</b>	<b>123</b>	<b>255</b>
	<b>Total I+II</b>	<b>180</b>	<b>90</b>	<b>90</b>	<b>93</b>	<b>252</b>	<b>525</b>

Total Teaching days **180**  
 Total Theory Periods **180**  
 Total Practical Periods **345**

Signature of Faculty Member

Principal

Shrikrishna Mahavidyalaya, Gunjoti  
 Tq.Omerga Dist.Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching – Plan Academic Year (2018-19)

SKMG / 1000 / 2017-18

Class: B.Sc. I

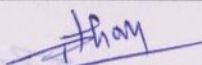
Department of **Zoology**

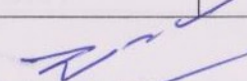
Name of Faculty: **Dr. D.M.Pathan**

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

Paper Name: **Cell Biology**

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	General structure of cell. Ultra structure of eukaryotic cell, prokaryotic cell, Cell Cycle, Mitosis, Meiosis	Lecture	12	2 to 30 July 2018	
2.	Organization of cell A) Study of Various cell organelles Plasma Membrane: - Structure and function. Endoplasmic reticulum: - Structure and function. Golgi Bodies: - Structure and function Mitochondria: - Morphology, Ultra-Structure, function and biogenesis. Nucleus: - Structure and function. DNA Structure. Types of RNA Lysosome: - Structure, function and polymorphism Ribosome: - Structure and function B) Cytology of Cancer, Types of Cancer	Lecture	20	31 July to 24 Sept. 2018	
3.	Methods in Cell Biology (in brief) A) Light Microscope Phase contrast microscope Electron microscope B) Micro techniques, (Microtomy) Fixation & Staining	Lecture	13	25 Sept to 24 Oct. 2018	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-2019

Class: B.Sc. I

Department of **Zoology**

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

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

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 Prawn: - Structure, Digestive, Nervous, & Reproductive systems. Cockroach: External Characters, Digestive, Respiratory and Reproductive systems	Lecture	15	26 Nov to 31Dec. 2018	
2.	Mollusca: - General characters Pila: - External Characters, Respiratory, Circulatory, Nervous and Reproductive systems	Lecture	06	1 Jan to 15 Jan 2019	
3	Echinodermata : - General characters Asterias (Sea Star): - Morphology of oral & aboral view, Water vascular system, Reproductive system including development	Lecture	10	16 Jan to 6Feb 2019	
4.	General characters and Classification of Protochordata Amphioxus: - External features, Digestive, Circulatory, Reproductive systems including development. Hemichordata: - General characters and affinities Herdmania: - General characters and morphology	Lecture	14	11 Feb to 15 Mar 2019	

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Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-2019

Class: B.Sc. I

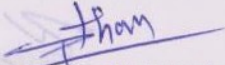
Department of **Zoology**

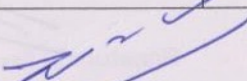
Name of Faculty Member: **Dr. D.M.Pathan**

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, Opalirates, and Flagellates	Demonstration	01	03 Jul 2018	
2.	Study of museum specimen and slides from Porifera to Annelida.	Demonstration	02	10,17 Jul 2018	
3.	Dissection: Dissection of Leech for Digestive, Excretory & Reproductive systems. Dissection of Earthworm for Nervous System & Reproductive system	Demonstration	05	24,31 Jul,07,14,21 Aug 2018	
4.	Mounting of any five of the following. Sponge spicules, Gemmule, Obelia colony, Jaws of Leech. Spermatica, testes nerve ring of Earthworm, Parapodia of Nereis.	Demonstration	01	28Aug, 2018	
5.	Study of cell organelles by using Models, Charts, Slides & Electron micrographs.	Demonstration	01	04 Sep 2018	

  
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Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-2019

Class: **B.Sc. I**

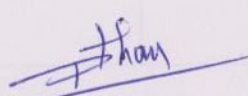
Department of **Zoology**

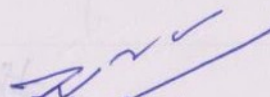
Name of Faculty Member: **Dr. D.M.Pathan**

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
6.	Squash preparation of Onion root tip to study Mitosis.	<b>Demonstration</b>	<b>01</b>	<b>11 Sept.2018</b>	
7.	Preparation of polytene chromosome in chironomous larva/fruit flies.	<b>Demonstration</b>	<b>01</b>	<b>18 Sept 2018</b>	
8.	Microtechnique: - Fixation, dehydration, Block preparation, Microtomy and Staining of Rat tissue.	<b>Demonstration</b>	<b>02</b>	<b>25 Sept,09 Oct 2018</b>	
9.	Study of Microscopy: - Simple, Compound, & Phase Contrast Microscope	<b>Demonstration</b>	<b>01</b>	<b>16 Oct 2018</b>	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-2019

Class: B.Sc.I

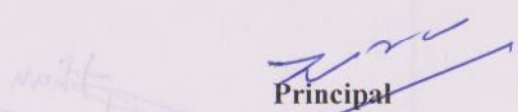
Department of **Zoology**

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. 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	23,30,Oct. 27 Nov 2018	
2.	Dissections: Dissection of Prawn for Nervous system Dissection of Cockroach for Digestive and Nervous Systems. Dissection of Pila for Nervous system. Dissection of Sea Star for Water Vascular System.	Demonstration	05	04,11,18,31 Dec 2018 01 Jan 2019	
3.	Mounting of any five of the following. Mouthparts of Cockroach, Mosquito, House fly, Bed bug and Honeybee. Salivary glands of cockroach. Redula of Pila, Pedicillaria of Star fish.	Demonstration	01	08 Jan 2019	
4.	Culture of Drosophila- experimental organism in genetics Observation of common mutants of drosophila	Demonstration	01	15 Jan 2019	
5.	Determination of human blood groups A, B, AB, and O, Rh factor.	Demonstration	01	22 Jan 2019	
6.	Major and minor problems in genetics	Demonstration	04	29 Jan 05,12,19 Feb 2019s	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-2019

Class: B.Sc.III

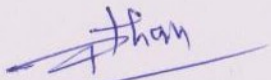
Department of Zoology

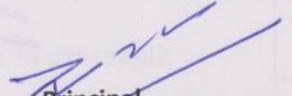
Name of Faculty Member: Dr. D.M.Pathan

Paper No.: XVI (Semester V)

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> Definition and history, General characters and classification Concept of blue revolution, Importance of fishes.	Lecture	05	5 to 13 July 2018	
2.	<b>Freshwater fisheries</b> Status of freshwater fisheries, past, present and future Freshwater capture fisheries, cat fishes, rout. Effect of aquatic pollution on fisheries	Lecture	10	14 July to 4Aug	
3.	<b>Revering and reservoir fisheries.</b> Major river systems of India Important fisheries of Indian rivers system Major reservoirs of Maharashtra Reservoir fisheries and its management. Exploitation of reservoir fisheries	Lecture	10	9 Aug to 31 Aug 2018	

  
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Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-2019

Class: B.Sc.III

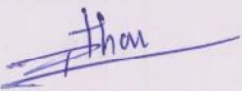
Department of Zoology

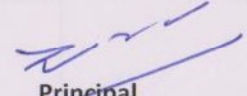
Name of Faculty Member: Dr. D.M.Pathan

Paper No.: XVI (Semester V)

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> Principle fisheries of brackish water, milkfish, mullet, tilapia. Fisheries of the chilka, pulicat and Kolleru Lake	Lecture	08	1 Sept to 22 Sept 2018	
5.	<b>Marine water fisheries.</b> Oil-sardine Mackeal Ribbon fish fisheries. Bombay-duck Pomfret-fishery	Lecture	08	27 Sept to 12 Oct 2018	
6.	Application of remote sensing technique in pelagic fisheries	Lecture	04	13 Oct. to 25 Oct 2018	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-2019

Department of Zoology

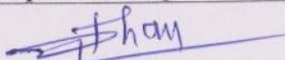
Paper No.: XX (Semester VI)

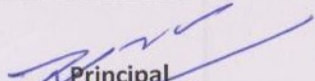
Class: B.Sc.III

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> a) Types of freshwater ponds-perennial and seasonal. b) Different types of ponds-nursery, rearing and stoking ponds. c) Design, construction and maintenance of nursery, rearing and stocking ponds. d) Productivity of ponds e) principles of fish collection f) Fish culture methods g) Culture – cat fisheries h) Sewage fed fisheries	Lecture	15	29 Nov.to29 Dec 2018	
2.	<b>Fish crop production (fish diseases)</b> Protozoan, fungal, bacterial, viral worms diseases	Lecture	06	3 Jan to 12 Jan 2019	
3.	<b>Breeding of fishes</b> a) Natural spawning of carps c) Artificial breeding by hypophysation d) Common carp breeding	Lecture	08	17 Jan to 2Feb 2019	

  
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Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-2019

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> a) Fish processing methods b) Fish –spoilage c) Value added products d) Sanitation and HACCP	Lecture	08	7Feb to 22 Feb 2019	
5.	<b>Crafts and gears</b> a) Different types of gears b) Different types of crafts c) Preservation of gears	Lecture	08	23 Feb to 14 March 2019	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-2019

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. Unit No.	Title / Subject	Method of Teaching	No. Of Days	Duration of Date / Month/ Year	Remarks
1.	<b>Study of freshwater fishes.</b> Major carps Other carps. Cat fishes Clupoides	Demonstration	03	I to III week of July 2018	
2.	<b>Study of brackish water fishes.</b> <i>Hilsa hilsa, Chanos chanos (milkfish), Latis calcarifer, Tilapia</i>	Demonstration	02	IV Week of July & I week of Aug 2018	
3.	<b>Study of marine ware fishes.</b> Oil sardine Mackerel Ribbon -fish Bombay-duck Pomfret Sole Polynemus	Demonstration	03	II to V Week of Aug .2018	
4.	Water analysis	Demonstration	05	Sept. 2018	
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. 2018	

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Teaching –Plan Academic Year (2018-19)

SKMG / 1000 / 2018-2019

Class: **B.Sc.III**

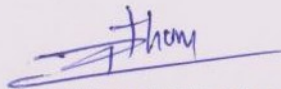
Department of **Zoology**

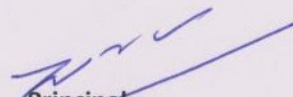
Name of Faculty Member: **Dr. D.M.Pathan**

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).	<b>Demonstration</b>	<b>02</b>	<b>I, II Week of Dec. 2018</b>	
2.	Identification, classification and culturable significance of following. Catla, Rohu, Mrigal, Catfishes, Exotic Fishes	<b>Demonstration</b>	<b>03</b>	<b>III, V Dec. 2018</b>	
3.	Collection and identification of fish parasites and worms.	<b>Demonstration</b>	<b>04</b>	<b>I to IV Week of Jan 2019</b>	
4.	Removal of fish pituitary gland and preparation of pituitary extract	<b>Demonstration</b>	<b>02</b>	<b>I ,II Week of Feb 2019</b>	
5.	Identification of crafts and gears. Gill net, Rampanni, Satpati, Machwa, Catamaran	<b>Demonstration</b>	<b>02</b>	<b>III &amp; IV Week of Feb 2019</b>	
6.	A visit to fish farm and fish processing centre is compulsory		<b>02</b>	<b>I ,II Week of March.2019</b>	

  
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Tq. Omerga Dist. Osmanabad

# SHRIKIRSHNA MAHAVIDYALAYA, GUNJOTI

Teaching days Calendar for 180 days

Department : **Zoology**

Academic year **2018-2019**

Name of the Faculty Member : **Dr.R. S. Madle**

Term	Month	Working Days	Theory Periods		Practical Periods		Total Periods
			II	III	II	III	
<b>First Term</b>	July	25	12	13	24	39	88
	August	24	13	11	27	33	84
	September	21	11	10	21	36	78
	October	20	09	11	18	30	68
	<b>Total I</b>	<b>90</b>	<b>45</b>	<b>45</b>	<b>90</b>	<b>138</b>	<b>318</b>
<b>Second Terms</b>	November	05	2	3	3	9	17
	December	25	13	12	27	33	85
	January	25	12	13	24	42	91
	February	23	12	11	24	33	80
	March	12	6	6	12	18	42
<b>Total II</b>	<b>90</b>	<b>45</b>	<b>45</b>	<b>90</b>	<b>135</b>	<b>315</b>	
<b>Total I+II</b>	<b>180</b>	<b>90</b>	<b>90</b>	<b>180</b>	<b>273</b>	<b>633</b>	

Total Teaching days **180**  
 Total Theory Periods **180**  
 Total Practical Periods **453**

Signature of Faculty Member

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 Tq. Omurga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Class: B.Sc. II

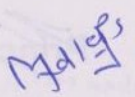
Department of **Zoology**

Name of Faculty: **Dr. R.S. Madle**

Paper No.: **VII** (Semester III)

Paper Name: **VERTEBRATE ZOOLOGY**

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Agnatha:</b> - Out line classification and general characters of cyclostomata.	Lecture	02	5,6 July 2018	
2.	<b>Pisces:</b> - Out line classification and general characters.  Scoliodon: - External characters, Digestive system, Respiratory system, Blood Vascular System and Nervous System.	Lecture	08	7 to 26 July 2018	
3.	<b>Amphibia:</b> - Out line classification and general characters.  Development of frog: - Fertilization Cleavage Blastula Gastulation and formation of germinal layers. Neotony Parental care in amphibia	Lecture	06	27 July to 9 Aug. 2018	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Class: B.Sc. II

Department of **Zoology**

Name of Faculty: **Dr. R.S. Madle**

Paper No.: **VII** (Semester III)

Paper Name: **VERTEBRATE ZOOLOGY**

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
4.	<b>Reptilia:</b> - Out line classification and general characters. Calotes:-External features, Respiratory system and Blood vascular system. Poisonous and non- poisonous snakes.	Lecture	06	10 to 24 Aug 2018	
5.	<b>Aves:</b> - Out line classification and general charac External features, Respiratory system, Embryology of chick.-Cleavage Blastula Gastulation and formation of germinal layers and extra embryonic membranes.Flight adaptation in birds.Migration in Birds	Lecture	10	25 Aug to 21 Sept. 2018	
6.	<b>Mammalia:</b> - Out line classification and general characters. <i>Ratus ratus:</i> - External features, Blood Vascular System, Urino-genital System and Adaptive radiation in mammals.	Lecture	13	22 Sept. to 25 Oct. 2018	

Signature of Faculty Member

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Talegaon, Tal. Barambedda



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

Class: B.Sc. II

SKMG / 1000 / 2014-15

Department of Zoology

Name of Faculty Member: Dr. R.S. Madle

Paper No.: XI (Semester IV)

Paper Name: ANIMAL PHYSIOLOGY (Special Emphasis on Mammals)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Digestion :-</b> Brief Introduction to digestive system. Buccal digestion - salivary secretion and digestion. Gastric digestion - gastric secretion and digestion. Intestinal digestion - Pancreatic secretion, bile juices and digestion in Small intestine, Digestion and absorption in large intestine	Lecture	07	29 Nov to 13 Dec 2018	
2.	<b>Respiration :-</b> Respiratory organs. Breathing mechanism. Respiratory pigments: - Properties and function of respiratory pigments. External respiration. Internal respiration. Transport of gases.	Lecture	09	14 to 29 Dec. 2018	
3.	<b>Circulation :-</b> Working of mammalian heart. Blood and its composition. Mechanism of blood clotting	Lecture	05	3 to 11 Jan 2019	
4.	<b>Excretion :-</b> Structure of kidney. Structure of uriniferous tubules. Urine formation: - Ultra filtration selective, re-absorption and tubular secretion. Counter current multiplier system	Lecture	05	12 to 24 Jan.2019	

Signature of Faculty Member

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Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Class: B.Sc. II

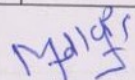
Department of **Zoology**

Name of Faculty Member: **Dr. R.S. Madle**

Paper No.: XI (Semester IV)

Paper Name: **ANIMAL PHYSIOLOGY (Special Emphasis on Mammals)**

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remark
5.	<b>Nerve Physiology :-</b> Structure of nerve cells and neuron. Neurotransmitters. Synapses: - Ultra structure and function	Lecture	06	25 Jan to 8 Feb 2019	
6..	<b>Muscles Physiology :-</b> Ultra structure of smooth muscle, striated muscles, and cardiac muscles. Muscle contraction. Simple twitch and fatigue	Lecture	05	9to 21 Feb. 2019	
7.	<b>Reproduction :-</b> Structure of gonads, Gametogenesis. Role of sex hormones in Reproduction. Reproductive cycles – oestrous and menstrual cycle	Lecture	08	22 Feb to 9 March 2019	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Class: B.Sc.II

Department of **Zoology**

Name of Faculty Member: **Dr. R.S. Madle**

Paper No.: IX (Semester III)

Paper Name: VERTEBRATE ZOOLOGY (Practical)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of days	Duration of Date / Month/ Year	Remarks
1.	<b>Museum study of vertebrates. (At least 20).</b> (Identification, classification, sketches, General characters and biological importance).	Demonstration	05	5 July to 4 Aug 2018	
2.	<b>Dissection of Scoliodon / Labeo</b> <ul style="list-style-type: none"><li>➤ Afferent and efferent,</li><li>➤ Cranial Nerves.</li><li>➤ Brain .</li></ul>	Demonstration	03	9 to 25 Aug 2018	
3.	<b>Dissection of Rat/ Frog ;</b> <ul style="list-style-type: none"><li>➤ Urinogenital system,</li><li>➤ Arterial system,</li><li>➤ Venous System,</li><li>➤ Brain of Rat</li></ul>	Demonstration	05	30 Aug to 6 Oct 2018	
4.	.Mounting of Placoid, Cycloid and Ctenoid scales of fish	Demonstration	01	11 to 13 Oct. 2018	
5.	Study of Embryological development of chick according to hours of incubation	Demonstration	01	20 to 25 Oct 2018	

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Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Class: B.Sc.II

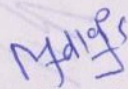
Department of Zoology

Name of Faculty Member: Dr. R.S. Madle

Paper No.: XIII(Semester IV)

Paper Name: ANIMAL PHYSIOLOGY (PRACTICAL)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of days	Duration of Date / Month/ Year	Remarks
1.	To study the digestive enzymes from cockroach/Human Saliva.	Demonstration	02	1 to 13 Dec.18	
2.	Total count of RBC /WBC from given blood sample	Demonstration	04	15 Dec to 10 Jan19	
3.	Preparation of Heamatin crystals from blood sample.	Demonstration	01	12,17Jan 2019	
4.	Hb% from given blood sample	Demonstration	01	19,24 Jan 2019	
5.	Effect of isotonic, hypotonic, and hypertonic solutions on blood cell (RBCs)	Demonstration	01	31 Jan ,2 Feb 19	
6.	Detection of nitrogenous waste product from the extract of different animals	Demonstration	01	7,9 Feb 2019	
7.	Detection of nitrogenous waste product in fish/frog water tank.	Demonstration	01	14,16 Feb. 19	
8.	Estimation of O <sub>2</sub> consumed by fish in relation to temperature by Wrinkle's method	Demonstration	01	21,23 Feb. 2019	
9.	Typographic reading of skeletal muscle properties , heart beating in Toad / Rat. (Demo only)	Demonstration	01	28Feb, 2 March 19	
10.	Histological study of following. T.S. of Kidney ,T.S. of Testis ,T.S. of Ovaries ,T.S. of Pancreas ,T.S. of Intestine	Demonstration	01	7,9 March 19	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Class: B.Sc.III

Department of Zoology

Name of Faculty Member: Dr. R.S. Madle

Paper No.: XV (Semester V)

Paper Name: ECOLOGY

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Introduction :-</b> Definition, basic concept, terminology used in ecology.	Lecture	02	2,3 July 2018	
2.	<b>Abiotic environmental factors.</b> Temperature; Concept, temperature fluctuation in different environment. Range of temperature tolerance, effect of temperature on animals, Thermal adaptation. Light-Concept, Light variation in different environment, effect of light on animals. Adaptation to salinity and moisture	Lecture	08	4 to 24 July 2018	
3.	<b>Biotic environmental factors :-</b> Competition: - Definition, types, intra specific and inter specific competition Predation: - Definition, characteristics of predation. Commensalisms: - Definition and types with examples. Mutualism: - Definition and example. Parasitism: - Definition and types with examples	Lecture	08	25 July to 13 Aug 2018	

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Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Class: **B.Sc.III**

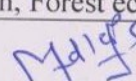
Department of **Zoology**

Name of Faculty Member: **Dr. R.S. Madle**

Paper No.: **XV (Semester V)**

Paper Name: **ECOLOGY**

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
4.	<b>Population :-</b> Definition and basic concepts Characteristics of population; Density, Natality, Mortality, Dispersion and Age distribution. Population growth. Population regulation	Lecture	06	14 to 29 Aug 2018	
5.	<b>Community :-</b> Definition, basic concept and types. Structure of community; producer, consumers and decomposers. Characters; ecological niche, diversity, abundance, dominance, ecotone, edge effect. Community succession; example of succession and climax	Lecture	06	4 to 18 Sept. 2018	
6.	<b>Ecosystem :-</b> Definition, concept and types. Components of ecosystem, Dynamics of ecosystem: - primary production, secondary production, food chain, food web, tropic level, energy of flow, ecological pyramids. Brief introduction to major ecosystems: - Marine ecosystem, Pond ecosystem, Forest ecosystem and Desert ecosystem.	Lecture	15	19 Sept to 24 Oct 2018	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Department of Zoology

Paper No.: XIX (Semester VI)

Class: B.Sc.III

Name of Faculty Member: Dr. R.S. Madle

Paper Name: EVOLUTION

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Concept of organic evolution :-</b> Definition and concept. Theories of organic evolution in brief; Preformation theory, Bear's Law, Biogenetic law, catastrophism, Lamarckism, Darwinism and Germplasm theory	Lecture	06	26 Nov to 5 Dec. 2018	
2.	<b>Origin of Life :-</b> Definition, Abiogenesis, Biogenesis. Chemical evolution of life.	Lecture	03	10 to 12 Dec. 2018	
3.	<b>Evidences of Organic Evolution :-</b> Anatomical evidences. Embryological evidences	Lecture	04	17 to 24 Dec. 2018	
4.	<b>Darwinism :-</b> Introduction :- Natural selection theory, Artificial selection theory and sexual selection theory	Lecture	05	26 Dec. 2018 to 7 Jan 2019	
5.	<b>Elemental forces of evolution :-</b> Mutation: - Concept and role in evolution. Recombination: - Concept and role in evolution. Natural selection: - Concept and role in evolution. Isolation: - Concept and role in evolution. Genetic Drift. : - Concept and role in evolution	Lecture	07	8 to 23 Jan 2019	

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Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Class: B.Sc.III

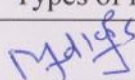
Department of **Zoology**

Name of Faculty Member: **Dr. R.S. Madle**

Paper No.: **XIX (Semester VI)**

Paper Name: **EVOLUTION**

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
6.	<b>Basic patterns of evolution :-</b> Sequential and divergent evolution. Microevolution: - Concept, silent features and mechanism with example. Macro evolution: - Concept, silent features and mechanism with example. Mega evolution: - Concept, silent features and mechanism with example	<b>Lecture</b>	09	28 Jan to 13 Feb 2019	
7.	<b>Species and speciation:-</b> Species: - Morphological concept, Genetical concept, biological concept of species Speciation: - Definition, concept, mechanism of speciation. Allopatric, Sympatric and Parapatric speciation.	<b>Lecture</b>	07	18 Feb 6 March 2019	
8.	<b>Fossils :-</b> Definition , fossil formation Types of fossils	<b>Lecture</b>	04	11 to 15 March 2019	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Class: B.Sc.III

Department of Zoology

Name of Faculty Member: Dr. R.S. Madle

Paper No.: XVII (Semester V)

Paper Name: ECOLOGY (PRACTICAL)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of days	Duration of Date / Month/ Year	Remarks
1.	Estimation of productivity of pond ecosystem using white and dark bottle method	Demonstration	02	3 to 13 July 2018	
2.	Determine the following parameters of soil. pH Alkalinity Chlorinity Salinity	Demonstration	04	17 July to 10 Aug. 2018	
3.	Analysis of DO, CO <sub>2</sub> , Salinity, Chlorinity of water sample.	Demonstration	04	14 Aug to 14 Sept. 2018	
4.	Study of animal association ship with example (Charts/photo) - Competition, mutualism, parasitism, predation and commensalisms	Demonstration	01	18 to 21 Sept. 2018	
5.	Estimation of population density by Quadrate method on field 04 and by Simulation method	Demonstration	03	25 Sept. to 16 Oct. 2018	
6.	Preparation of permanent slides of following <i>Spirogyra</i> , <i>Verticella</i> , <i>Odogonium</i> , <i>Daphnia</i> , <i>Cyclops</i> , <i>Mysis</i> , <i>Cypris</i> , <i>keretella</i>	Demonstration	01	17 to 23 Oct 2018	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-2019)

SKMG / 1000 / 2014-15

Class: B.Sc.III

Department of Zoology

Name of Faculty Member: Dr. R.S. Madle

Paper No.: XXI (Semester VI)

Paper Name: EVOLUTION (PRACTICAL)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of days	Duration of Date / Month/ Year	Remarks
1.	Embryological evidences of evolution with the help of slide/chart/pictures	Demonstration	02	27 Nov to 7 Dec. 2018	
2.	Adaptive modification in feets of birds and mouth parts of insects	Demonstration	02	11 to 21 Dec. 2018	
3.	Study of successive stages of evolution with the help of models/charts Horse Human	Demonstration	02	26 Dec. To 8 Jan 2019	
4.	Discussion on patterns of speciation with the help of charts /pictures. Allopatric speciation Sympatric speciation	Demonstration	02	9 to 22 Jan 2019	
5.	Study the homologous and analogous organs	Demonstration	04	23 Jan to 20 Feb. 2019	
6.	Study of natural selection using <i>E.coli</i> bacteria against antibiotics (Tetramycin/ Penicillin)	Demonstration	01	22 to 27 Feb. 2019	
7.	Study of geographical aera	Demonstration	02	5 to 15 March 2019	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

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## Academic Calendar for Teaching 180 Days

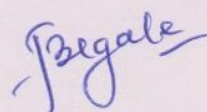
Academic Year: 2018-2019

Department of Zoology

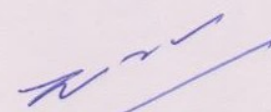
Name of Faculty Member: Dr.Ugale B.J.

Term	Month	Teaching Days	Theory Periods	Practical Periods	Total Periods
First Term	June	-	-	-	
	July	25	25	45	70
	August	24	24	60	84
	September	21	21	54	75
	October	20	20	66	86
	<b>Total 1</b>	<b>90</b>	<b>90</b>	<b>225</b>	<b>315</b>
Winter Holidays 05 November 2018 to 25 November 2018					
Second Term	November	05	05	15	20
	December	25	25	66	91
	January	25	25	69	84
	February	23	33	60	93
	March	12	12	15	27
	<b>Total 2</b>	<b>90</b>	<b>90</b>	<b>225</b>	<b>315</b>
	<b>Total 1 + 2</b>	<b>180</b>	<b>180</b>	<b>450</b>	<b>630</b>
Summer Vacation 02 May 2019 to 14 June 2019					

Total Teaching Days : 180  
Total Theory Periods : 180  
Total Practical Periods : 450



Signature of Faculty Member





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching-Plan Academic Year (2018-19)

Class: B.Sc.I

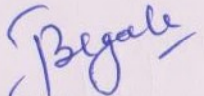
Department of **Zoology**

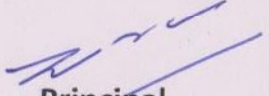
Name of Faculty: **Dr. Ugale B.J.**

Paper No.: **I (Semester I)**

Paper Name: **Protozoa to Annelida**

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remark
5.	<b>Helminthes: - General characters</b> Fasciola hepatica: - Structure, Life cycle, Pathogenicity & Control Measures Taeniasolium: - Structure of scolex, Mature and gravid proglottids, Life cycle, Pathogenicity, and control measures. Ascarislumbricoides: - Structure of male & female, Life cycle, Pathogenicity & control measures.	Lecture	12	Sept. 06, 2018 to Oct. 05, 2018	
6.	<b>Annelida: - General characters</b> Leech: - Morphology, Digestive, Excretory & Reproductive systems.	Lecture	07	October 06, 2018 to October 25, 2018	

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

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 BIOLG  
(PRACTICAL)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Rem.
1.	Study of slides from Ciliates, Opalinales, and Flagellates	Demonstration	01	II Week of July 2018	
2.	Study of museum specimen and slides from Porifera to Annelids.	Demonstration	02	III, IV Week of July 2018	
3.	Dissection: Dissection of Leech for Digestive, Excretory & Reproductive systems. Dissection of Earthworm for Nervous System & Reproductive system	Demonstration	05	I Week of Aug. 2018 To I Week of Sept. 2018	
4.	Mounting of any five of the following. Sponge spicules, Gemmule, Obelia colony, Jaws of Leech. Spermataca, testes, nerve ring of Earthworm, Parapodia of Nereis.	Demonstration	01	II Week of September 2018	
5.	Study of cell organelles by using Models, Charts, Slides & Electron micrographs.	Demonstration	01	III Week of Septe.2018	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

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 (PRACT)

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Rema
6.	Squash preparation of Onion root tip to study Mitosis.	Demonstration	01	IV Week of September 2018	
7.	Preparation of polytene chromosome in chironomous larva/fruit flies.	Demonstration	01	I Week of Oct. 2018	
8.	Microtechnique: - Fixation, dehydration, Block preparation, Microtomy and Staining of Vertebrate tissue.	Demonstration	02	II, III Week of Oct.2018	
9.	Study of Microscopy: - Simple, Compound, & Phase Contrast Microscope	Demonstration	01	IV Week of Oct.2018	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

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. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Rema
1.	<b>Elements of heredity &amp; variation</b> Definition of genetics and variation. Mendel's laws of heredity in short.	Lecture	04	Nov. 29, 2018 to Dec. 06, 2018	
2.	<b>Gene interaction</b> Definition- modifications in Mendelian phenotypic ratio like, Epitasis, Supplementary gene, Complementary gene.	Lecture	05	Dec. 07, 2018 to Dec. 15., 2018	
3.	<b>Multiple Alleles</b> Coat Colour in rabbit. ABO Blood group in man, Rh factor	Lecture	05	Dec. 20, 2018 to Dec. 28, 2018	
4.	<b>Cytoplasmic inheritance.</b> <i>Definition of maternal effect.</i> <i>Coiling shell in snail (Limneaperegra)</i> Male sterility. CO <sub>2</sub> sensitivity in <i>Drosophila</i> . Kappa particles in <i>Paramecia</i> .	Lecture	08	Dec. 29, 2018 to Jan. 12, 2019	

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Tal. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching Plan Academic Year (2018-19)

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. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Rem
1.	<b>Introduction to animal kingdom</b> Definition of Zoology, Outline classification Protozoa, Parazoa, Metazoa and Major Phyla.	Lecture	03	July 05, 2018 to July 07, 2018	
2.	<b>Protozoa: - General characters</b> <i>Plasmodium vivax</i> : - Structure of sporozoite, Life cycle; Pathogenicity, Control, Prevention and Treatment of Malaria. <i>Endameba histolytica</i> : - Structure, Life cycle and Control. <i>Euglena</i> : - Morphology and Reproduction. <i>Paramecium</i> : - Morphology and Reproduction	Lecture	09	July 12, 2018 to July 28, 2018	
3.	<b>Porifera: - General characters</b> Sycon (Scypha): - Morphology, Different types of cells in sycon, Canal system in Prefer.	Lecture	08	Aug. 02, 2018 to August 18, 2018	
4.	<b>Coelenterates: - General characters</b> Obelia: - Morphology of Obelia colony, Development of Hydra, Polymorphism in coelenterates.	Lecture	06	August 23, 2018 to Sept. 01, 2018	

Signature of Faculty Member

*B. Ugale*

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

Class: B.Sc.I

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

Department of Zoology

Paper No.: V (Semester II)

Paper Name: GENETICS – I

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Rema
5.	<b>Sex Determination</b> Chromosome theory in sex determination Genic balance theory of sex determination Triploid intersexes and Gynandromorphs in <i>Drosophila</i> . Sex linked inheritance: X linked and Y linked	Lecture	08	Jan. 17, 2019 to Feb. 02, 2019	
6.	<b>6. Mutation</b> Brief introduction Gene mutation: - Definition and classification Chromosomal aberration (structural & numerical) Spontaneous & induced mutation	Lecture	15	Feb. 07, 2019 to March 14, 2019	

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

Class: B.Sc.I

Department of Zoology

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

Paper No.: VI (Semester II)

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

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Ren
1.	Study of museum specimen & slides of relevant Invertebrates & Protochordata. (At least 3 from each phylum).	Demonstration	03	IV Week of Nov. To. II Week of Dec. 2018	
2.	Dissections: Dissection of Prawn for Nervous system Dissection of Cockroach for Digestive and Nervous Systems. Dissection of Pila for Nervous system. Dissection of Sea Star for Water Vascular System.	Demonstration	05	III Week of Dec. 2018 To III Week of Jan. 2019	
3.	Mounting of any five of the following. Mouthparts of Cockroach, Mosquito, House fly, Bed bug and Honeybee. Salivary glands of cockroach. Redula of Pila, Pedicillaria of Star fish.	Demonstration	01	IV Week of Jan. 2019	
4.	Culture of Drosophila- experimental organism in genetics Observation of commonmutants of drosophila	Demonstration	01	I Week of February. 2019	
5.	Determination of human blood groups A, B, AB, and O, Rh factor.	Demonstration	01	II Week of February. 2019	
6.	Major and minor problems in genetics	Demonstration	04	III Week of February 2019 To II Week of March 2019	

Signature of Faculty Member

*B. Ugale*

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Ta. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

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. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Rema
1.	<b>Genes and its expression :-</b> Definition, Concept and Function of gene. Transcription of gene: - Initiation, elongation and termination. Genetic code: - Concept of codon, properties of genetic code. Translation of gene: - Initiation, elongation and termination.	Lecture	08	July 02, 2018 to July 17, 2018	
2.	<b>Population Genetics :-</b> Gene Pool, Gene Frequency. Hardy-Weinberg's Law. Application of Hardy-Weinberg's Law.	Lecture	05	July 18, 2018 to July 31, 2018	
3.	<b>Human Genetics:-</b> Human chromosomes. Sex linked inheritance –X and Y Linked. Dizygotic and monozygotic twins. Inborn errors in metabolism: - PKU, Albinism. Genetic disorders: - Down's syndrome, Turner's syndrome and Klinefelter's syndrome. Use of human genetics in medical science: - Disease diagnosis, Gene therapy and DNA finger printing.	Lecture	12	Aug. 01, 2018 to Sept. 04, 2018	

Signature of Faculty Member

*Begale*

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Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching – Plan Academic Year (2018-19)

Department of Zoology

Paper No.: VIII (Semester III)

Class: B.Sc.II

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

Paper Name: Genetics –II

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Rema
4.	<b>Microbial Genetics:-</b> Transformation. Conjugation. Transduction.	Lecture	05	Sept. 05, 2018 to Sept. 18, 2018	
5.	<b>Genetic Engineering:-</b> Introduction: - Definition, Concept and significance. Restriction enzyme: - Concept and types. Cloning vectors: - Plasmid, cosmid, phase. Construction of r-DNA. Application of r-DNA technology.	Lecture	15	September 19, 2018 to Oct. 24, 2018	

Signature of Faculty Member

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Shrikrishna Mahavidyalaya, Gunjoti



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

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. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Rema
1.	<b>Elements of heredity &amp; variation</b> Definition of genetics and variation. Mendel's laws of heredity in short.	Lecture	04	Nov. 29, 2018 to Dec. 06, 2018	
2.	<b>Gene interaction</b> Definition- modifications in Mendelian phenotypic ratio like, Epitasis, Supplementary gene, Complementary gene.	Lecture	05	Dec. 07, 2018 to Dec. 15., 2018	
3.	<b>Multiple Alleles</b> Coat Colour in rabbit. ABO Blood group in man, Rh factor	Lecture	05	Dec. 20, 2018 to Dec. 28, 2018	
4.	<b>Cytoplasmic inheritance.</b> <i>Definition of maternal effect.</i> <i>Coiling shell in snail (Limneaperegra)</i> Male sterility. CO2 sensitivity in <i>Drosophila</i> . Kappa particles in <i>Paramecia</i> .	Lecture	08	Dec. 29, 2018 to Jan. 12, 2019	

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Tal. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

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	Ren
1.	Preparation of paper model of DNA and study of DNA structure	Demonstration	01	II Week of July 2018	
2.	Study of protein synthesis with the help of chart/models.	Demonstration	02	III, IV Week of July 2018	
3.	Estimation of DNA from animal tissue with the help of Diphenylamine method.	Demonstration	02	I Week of Aug. To II Week of Aug. 2018	
4.	Study of preparation of Normal Karyotype of human.	Demonstration	01	I II Week of Aug. 2018	
5.	Karyotypic study of Down's syndrome, Turner's syndrome, Klinefelter's syndrome with the help of photograph.	Demonstration	02	IV, Week of Aug. 2018 To I Week of Sept. 2018	
6.	Detection of Barr body from epithelial cell.	Demonstration	01	II Week of Sept 2018	
7.	Problems on sex linked inheritance.	Demonstration	02	III,IV Week of Sept 2018	
8.	Problem based on Hardy-Weinberg's Law.	Demonstration	02	I Week of Oct. to II Week of Oct 2018	
9.	Study of gene frequency and mutants of man: a) Attached and free ear lobe. b) Colour of eye. c) Rolling of tongue. d) Blood group frequency.	Demonstration	02	III Week of Oct 2018 To I Week of Nov. 2018	

Signature of Faculty Member

*Begale*

Principal

*Principal*

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Guna.



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

Class: B.Sc.II

Department of Zoology

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

Paper No.: XII(Semester IV)

Paper Name: BIOCHEMISTRY AND ENDOCRINOLO

Chapter No. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Rema
A. 1	<b>BIOCHEMISTRY</b> <b>Enzymes:-</b> Definition, Concept and nomenclature Properties, classification. Mechanism of enzyme action. Factors affecting enzyme action (Temperature, pH, Substrates & Co- enzyme.)	Lecture	05	Nov. 26, 2018 to December 04, 2018	
2.	<b>Carbohydrates: -</b> Definition, classification monosaccharide, disaccharides, oligosaccharides and polysaccharides. Metabolism: - Glucogenesis, Gluconeogenesis, Glycolysis, TCA and oxidative phosphorylation.	Lecture	06	December 05, 2018 to December 18, 2018	
3.	<b>Proteins:-</b> Definition, classification – simple, conjugated and derived proteins. Structure of protein: - Primary, secondary, tertiary and quartery. Metabolism: - Deamination and transmination.	Lecture	06	December 19, 2018 to January 02, 2019	

Signature of Faculty Member

Principal

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Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omarga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

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. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Rem
4.	<b>Lipids: -</b> Definition, classification, simple, compound and derived lipids. Metabolism: - B-oxidation and cholesterol biosynthesis.	Lecture	05	January 07 , 2019 to January 16, 2019	
5.	<b>Vitamins: -</b> Sources and deficiency.	Lecture	02	January 21, 2019 to January 22, 2019	
B. 1.	<b>ENDOCRINOLOGY</b> <b>Endocrine system of vertebrates:-</b> Introduction: - Definition of endocrine, Paracrine and Autocrine system. Significance of endocrine and neuro-endocrine system.	Lecture	04	January 23, 2019 to January 30, 2019	

Signature of Faculty Member

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Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

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. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Rem
2.	<b>Pituitary gland:</b> - Morphology & histological structure, Hormones and their function.	Lecture	05	February 04, 2019 to February 11, 2019	
3.	<b>Thyroid gland:</b> - Morphology & histological structure, Hormones and their function.	Lecture	03	February 12, 2019 to February 18, 2019	
4.	<b>Adrenal gland:</b> - Morphology & histological structure, Hormones and their function.	Lecture	05	February 20, 2019 to March 05, 2019	
5	<b>Pancreas:</b> - Islets of langarhance- Histological structure, Hormones and their function.	Lecture	05	March 06, 2019 to March 15, 2019	

Signature of Faculty Member

*Begale*

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





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year (2018-19)

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. Unit No.	Title / Subject	Method of Teaching	No. Of Period	Duration of Date / Month/ Year	Remarks
1.	Preparation of solutions of given percentage, normality and molarity.	Demonstration	02	IV Week of Nov.2018 To I Week of Dec. 2018	
2.	Study of analytical instrument principal and applications. pH meter, Colorimeter, Centrifuge, Electrophoresis.	Demonstration	04	II Week of Dec. 2018 To I Week of Jan. 2019	
3.	Factors affecting enzyme activity temperature and pH.	Demonstration	02	II Week of Jan. 2019 To II week Jan.2019	
4.	Detection of amino acid by paper chromatography.	Demonstration	01	III week of Jan. 2019	
5.	Qualitative test for organic compound. Carbohydrate, Protein and Fat.	Demonstration	03	IV Week of Jan.. 2019 To I Week of March 2019	
6.	Quantitative estimation of protein from animal tissue using Lawry's method.	Demonstration	02	I I Week of Feb. 2019 TO III Week of Feb. 2019	
7.	Study of permanent histological slides of endocrine glands.	Demonstration	02	IV Week of 2019 To I Week of March 2019	

Signature of Faculty Member

*Begale*

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Shrikrishna Mahavidyalaya, Gunjoti.  
Tq. Omerga Dist. Osmanabad

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Academic Calender For 180 Days

Faculty of SCIENCE

Academic Year (2018 - 19)

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	7	0	5	10	0	15
	July	25	20	20	40	0	80
	August	21	18	18	36	0	72
	September	19	16	16	32	0	64
	October	18	15	15	30	0	60
Total 1		90	69	74	148	0	291
Second Term	November	5	4	4	7	0	15
	December	25	20	20	40	0	80
	January	25	18	18	36	0	72
	February	23	16	16	32	0	64
	March	12	15	15	30	0	60
Total 1		90	73	73	145	0	291
Total 1 + 2		180	127	132	263	0	522

Total Working Days: 180

Total Theory Periods: 522

Total Practical Periods: 0

Signature of Faculty Member

**H. S. Bhosale**  
Associate Professor and Head  
Department of Mathematics,  
S.K.M. Gunjoti, Dist. Osmanabad

Principal

**PRINCIPAL**  
SHRIKRISHNA MAHAVIDYALAYA  
GUNJOTI, DIST. OSMANABAD (M.S.)



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

## Teaching-Learning Academic Plan (2018 - 19)

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. 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> Exact differential equations, linear equations, equations reducible to the linear form.	Lecture	05	June	
2	<b>Linear Equations with Constant Coefficients :</b> 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 $e^{ax}$ , $x^m$ , $\sin ax$ , $\cos ax$ , $e^{ax}V$ and $xV$ in the second member.	Lecture	15	July	
3	<b>Linear Equations with Variable Coefficients:</b> 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 $x^m$ in the second member, equations reducible to homogeneous linear form.	Lecture	15	July Aug.	
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 $D^n y = f(x)$ , equation of the form $D^2 y = f(y)$ .	Lecture	05	Aug.	
5	<b>Ordinary Differential Equations with More Than Two Variables:</b> Simultaneous differential equations which are linear, simultaneous equations of the First order.	Lecture	10	Sept.	
6	<b>Partial Differential Equations :</b> 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. Oct.	

Signature of Associate Professor

**H. S. Bhosale**

Associate Professor and Head,  
Department of Mathematics,  
S.K.M. Gunjoti, Dist. Osmanabad

Principal  
**Principal**

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Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.


## Teaching-Learning Academic Plan (2018 - 19)

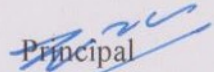
Faculty of Science  
Department of Mathematics  
Paper No. MAT - 302

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

Chapter No. Unit No.	Title/Subject	Method of Teaching	No. of Periods	Duration	Remarks
1	<b><u>Beta and Gamma Functions:</u></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 function, Other transformations.	Lecture	10	June – July	
2	<b><u>Laplace Transform:</u></b> Piece-wise or sectional continuity, Function of exponential order, Function of class A, The transform concept, Laplace transform, Notation, Some standard results.	Lecture	15	July – August	
3	<b><u>Inverse Laplace Transform:</u></b> Definition, Null function, Uniqueness of inverse Laplace transform, Partial fractions, Heaviside's expansion formula, The complex inversion formula	Lecture	10	August	
4	<b><u>Application to Laplace Transform:</u></b> Differential Equations, Notations	Lecture	05	Sept.	
5	<b><u>Fourier Transform:</u></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	05	Sept.	

Signature of Associate Professor

  
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**Principal**  
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Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

## Teaching-Learning Academic Plan (2018 - 19)

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. Unit No.	Title/Subject	Method of Teaching	No. of Periods	Duration	Remarks
1	<b>1) Prerequisite:</b> Sets and elements, Operations on sets. <b>2) Functions:</b> Functions, Real-valued functions, Equivalence, Countability, Real numbers, Least upper bounds.	Lecture	10	June July	
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 August	
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	August Sept.	
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. Oct.	

Signature of Associate Professor

**H. S. Bhosale**

Associate Professor and Head  
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Tq. Omega Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

## Teaching-Learning Academic Plan (2018 - 19)

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. Unit No.	Title/Subject	Method of Teaching	No. of Periods	Duration	Remarks
1	<b>1) Prerequisite:</b> Sets, Functions, Integers. <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, July, August	
2	<b>3) Ring Theory:</b> Definition and examples of rings Some special classes of ring, Ideals and quotient rings More ideals and quotient rings, Polynomial ring.	Lecture	30	August, Sept. Oct.	

Signature of Associate Professor

**H. S. Bhosale**  
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S.K.M. Gunjoti, Dist. Osmanabad

Principal  
Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

## Teaching-Learning Academic Plan (2018 - 19)

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. Unit No.	Title/Subject	Method of Teaching	No. of Periods	Duration	Remarks
1	<b>The Plane:</b> 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, length of the perpendicular from a point to a plane	Lecture	10	Dec	
2	<b>Right Line:</b> 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. Jan.	
3	<b>Sphere:</b> 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	
4	<b>Cones, Cylinders Conicoids:</b> The right circular cone, equation of a right circular cone, the right circular cylinder, equation of a right circular cylinder. 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.	Lecture	07	Feb.	

Signature of Associate Professor

**H. S. Bhosale**

Associate Professor and Head  
Department of Mathematics,  
S.K.M. Gunjoti, Dist. Osmanabad

Principal  
Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omega Dist. Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

## Teaching-Learning Academic Plan (2018 - 19)

Faculty of Science  
Department of Mathematics  
Paper No. MAT - 402

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

Chapter No. Unit No.	Title/Subject	Method of Teaching	No. of Periods	Duration	Remarks
1	<b><u>Linear Partial Differential Equations of First order:</u></b> Definition of partial differential equation, Lagrange's Linear partial differential equations, Geometric interpretation of the Lagrange's partial differential equation $Pp + Qq = R$ .	Lecture	10	Dec.	
2	<b><u>Non-linear Partial Differential Equations of First order:</u></b> 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 First order with three or more independent variables, Jacobi's Method	Lecture	15	Dec. – Jan.	
3	<b><u>Linear Partial Differential Equation:</u></b> Definitions, Linear partial differential equations with constant coefficients, Non-homogeneous Linear partial differential equations, Reducible to Linear form with constant form	Lecture	15	Jan.	
4	<b><u>Linear Partial Differential Equations of Second order:</u></b> Equations that can be integrated by inspection, Monge's method to solve the equation $Rr + Ss + Tt = V$ , Method of transformation (Canonical form)	Lecture	10	Feb.	

Signature of Associate Professor

**H. S. Bhosale**  
Associate Professor and Head  
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Principal

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





# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

## Teaching-Learning Academic Plan (2018 - 19)

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

Signature of Associate Professor

**H. S. Bhosale**

Associate Professor and Head  
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Principal  
Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq.Omerga Dist.Osmanabad



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI.

## Teaching-Learning Academic Plan (2018 - 19)

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. 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. <b>2) Continuous Functions on Metric Spaces:</b> Functions continuous on metric spaces, open sets, Closed sets.	Lecture	15	Dec.	
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 Jan.	
3	<b>Calculus:</b> Sets of measure zero, Definition of Riemann Integral, Existence of Riemann Integral, Fundamental Theorem of Calculus.	Lecture	15	Jan. Feb.	
4	<b>Fourier Series:</b> Introduction.	Lecture	15	Feb. Mar.	

Signature of Associate Professor

**H. S. Bhosale**

Associate Professor and Head  
Department of Mathematics,  
S.K.M. Gunjoti, Dist.Osmanabad

Principal  
**Principal**

Shrikrishna Mahavidyalaya, Gunjoti  
Tq.Omerga Dist.Osmanabad

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

Faculty of Science

Academic Year- 2018- 2019

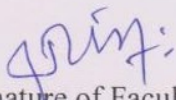
Department of Mathematics

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

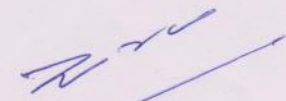
Term	Month	Working days	Theory periods			Practical periods			Total periods
			I	II	III	I	II	III	
First Term	June	07	00	10	05	00	00	00	15
	July	25	20	40	20	00	00	00	80
	August	21	20	35	15	00	00	00	70
	September	19	20	35	15	00	00	00	70
	October	18	00	00	05	00	00	00	05
<b>Total 1</b>		<b>90</b>	<b>60</b>	<b>120</b>	<b>60</b>	-			<b>240</b>
Second Term	November	05	00	00	00	00	00	00	05
	December	25	20	40	20	00	00	00	81
	January	25	20	40	20	00	00	00	81
	February	23	15	35	20	00	00	00	72
	March	12	05	05	00	00	00	00	13
<b>Total 2</b>		<b>90</b>	<b>60</b>	<b>120</b>	<b>60</b>	-			<b>240</b>
<b>Total 1+2</b>		<b>180</b>	<b>120</b>	<b>240</b>	<b>120</b>	-			<b>480</b>

Total working days = **180**

Total theory periods = **480**

  
 Signature of Faculty Member

**Dr.J.A.Nanware**

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



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching –Plan (Academic Year 2018-2019)

Class: **B.Sc.First Semester**

Department of Mathematics

Paper No.: **MAT 101**

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

Paper Name: **Differential Calculus**

Chap. No. 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	21/06/2018-29/06/2018	
	<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	02/07/2018-07/07/2018	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	09/07/2018-14/07/2018	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	16/07/2018-28/08/2018	Seminar 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	30/07/2018-04/08/2018	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	06/08/2018-20/08/2018	Tutorial 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	22/08/2018-31/08/2018	
	<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 $\text{a. } \nabla$ , divergence and curl, gradient, divergence and curl of sums and product	Lecture	15	02/09/2018-29/09/2018 05/10/2018-20/10/2018	Unit test

Signature of Faculty

Principal  
Principal

Shrikrishna Mahavidyalaya, Gunjoti  
Tq. Omerga Dist. Dahanu



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching –Plan (Academic Year 2018-2019)

Class: B.Sc. Third Semester

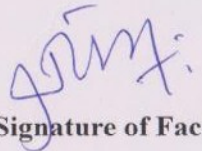
Department of **Mathematics**

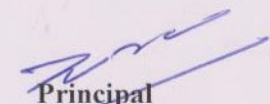
Paper No. : **MAT 301**

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

Paper Name : **Number Theory**

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / 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	21/06/2018-30/06/2018 02/07/2018-07/07/2018	Unit test
2.	Primes and their distribution: The fundamental theorem of arithmetic	Lecture	10	09/07/2018-14/07/2018	Tutorial Unit test
3.	The theory of congruences : Basic properties of congruences, Linear congruences	Lecture	10	16/07/2018-21/07/2018	Tutorial
4.	Fermat's theorem: Fermat's factorization theorem, the Little theorem, Wilson's theorem	Lecture	10	24/07/2018-04/08/2018	Unit test
5.	Number –Theoretic functions: The functions $\tau$ and $\sigma$ , The Mobius inversion formula	Lecture	07	06/08/2018-11/08/2018	Seminar Unit test
6.	Euler's generalization of Fermat's Theorem: Euler's Phi-function, Euler's theorem, Some properties of Phi function.	Lecture	08	13/08/2018-24/08/2018	Unit test

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan (Academic Year 2018-2019)

Class: B.Sc. Third Semester

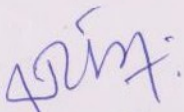
Department of **Mathematics**

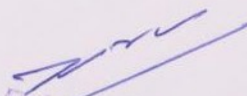
Paper No.: **MAT 303**

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

Paper Name: **Mechanics-I**

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Forces acting on a particle:</b> Particle, Rigid body, Force, The force as a vector, Equilibrium, An axiom for equilibrium of two forces, statics, resultant forces, Law of Parallelogram of forces , principle of the transmissibility of force, deductions, resultant of forces m.OA, n.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 forces	Lecture	15	25/08/2018-07/09/2018	Unit test/ Seminar
2.	<b>Equilibrium of Forces acting on a Particle:</b> 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	08/09/2018-22/09/2018	Tutorial Unit test
3	<b>Forces acting on a rigid body :</b> 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	24/09//2018-08/10/2018	Unit test
4	<b>Centre of Gravity:</b> Centroid of weighted points, centre of gravity, Centre of gravity of some uniform bodies	Lecture	15	09/10/2018-25/10/2018	Unit test

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan (Academic Year 2018-2019)

Class: B.Sc. Fifth Semester

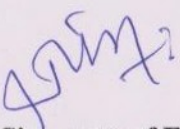
Department of Mathematics

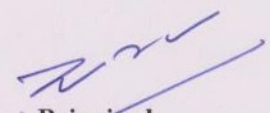
Paper No.: – MAT-504

Name of Faculty: Dr. J.A. Nanware

Paper Name: Ordinary Differential Equations-I

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Periods	Duration Date / Month/ Year	Remarks
1	<b>Preliminaries:</b>				
	Introduction, Complex numbers, functions, polynomials	Lecture	05	21/06/2018- 27/06/2018	
	Complex series and the exponential function	Lecture	06	28/06/2018- 05/07/2018	
	Determinants	Lecture	04	11/07/2018- 16/07/2018	Unit test
2	<b>Linear equations of the first order:</b>				
	Introduction, differential equations, problems associated with differential equations	Lecture	15	17/07/2017- 07/08/2018	
	Linear equations of the first order, The equation $y' + ay = 0$ , The equation $y' + ay = b(x)$	Lecture	10	08/08/2018- 24/08/2018	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	27/08/2018- 07/09/2018	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	11/09/2018- 22/09/2018	Seminar Unit test

  
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Teaching –Plan (Academic Year 2018-2019)

Class: B.Sc. Second Semester

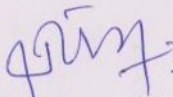
Department of Mathematics


Paper No.: MAT 201

Name of Faculty: Dr.J. A. NANWARE

Paper Name: Integral Calculus

Chap. No. 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	26/11/2018-07/12/2018	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	08/12/2018-14/12/2018	
	<b>Integration of Trigonometric Functions:</b> Integration of $\sin^n x$ , $\cos^n x$ and reduction formulae for integration of $\sin^n x$ , $\cos^n x$ <b>Definite Integral as the Limit of a sum:</b> Introduction, fundamental theorem.	Lecture	10 08	15/12/2018-21/12/2018 22/12/2018-31/12/2018	Unit test
2.	<b>Areas of Plane Regions:</b> Areas of region bounded by a curve, x-axis and two ordinates	Lecture	05	01/01/2019-15/01/2019	Tutorial Unit test
	<b>Rectification, Length of Plane Curves:</b> Introduction, expression for lengths of curves $y=f(x)$ , expressions for lengths of arc $x=f(y)$ ; $x=f(t)$ , $y=\phi(t)$ ; $r=f(\theta)$ .		05		
3.	<b>Volumes and Surfaces of Revolution:</b> Introduction, expressions for the volume obtained by revolving about either the axis <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.	Lecture	15	15/01/2019-21/02/2019	Unit test

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching –Plan (Academic Year 2018-2019)

Class: **B.Sc. Fourth Semester**

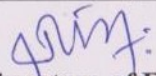
Department of **Mathematics**

Paper No.: **MAT 401**

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

Paper Name: **Numerical Methods**

Chap.No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration 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	<b>Lecture</b>	10	01/12/2018-12/12/2018	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	<b>Demonstration</b>	15	13/12/2018-31/12/2018	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.	<b>Demonstration</b>	10	01/01/2019-10/01/2019	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	<b>Demonstration</b>	15	11/01/2019-23/01/2019	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.	<b>Lecture</b>	10	24/01/2019-31/01/2019	Tutorial Unit test

  
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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

## Teaching –Plan (Academic Year 2018-2019)

Class: **B.Sc. Fourth Semester**

Department of **Mathematics**

Paper No.: **MAT-403**

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

Paper Name: **Mechanics-II**

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Kinematics and Dynamics of a particle in two dimensions:</b> 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	<b>Lecture</b>	15	01/02/2019-08/02/2019	<b>Unit test/ Seminar</b>
2	<b>Kinetics of a particle:</b> 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	<b>Lecture/ Demonstration</b>	15	09/02/2019-14/02/2019	<b>Unit test</b>
3.	<b>Motion of Projectile and Motion in a resisting medium:</b> 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	<b>Lecture/Group discussion</b>	15	15/02/2019-25/02/2019	<b>Tutorial Unit test</b>
4	<b>Central Orbits:</b> Definitions, Areal velocity in central orbit, Differential equation of central orbit, Apses, Law of Force, Pedal equation of some curves	<b>Lecture</b>	15	26/02/2019-15/03/2019	<b>Unit test</b>

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan (Academic Year 2018-2019)

Class: B.Sc. Sixth Semester

Department of Mathematics

Paper No.: – MAT -604

Name of Faculty: Dr. J.A.Nanware

Paper Name: Ordinary Differential Equations-II

Chap. No. Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1	<b>Linear equations with variable coefficients:</b> Introduction, Initial Value problems for the homogeneous equation, Solutions of the homogeneous equation. The Wronskian and linear independence	Lecture	10	December 2018	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/ January 2019	Group discussion 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/ February 2019	Seminar Unit test
2	Second order equations with regular singular points-general case, The Bessel equation.	OHP/LCD	10	February/ March 2019	Unit test

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2018-2019

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> <ul style="list-style-type: none"><li>• Introduction., Characteristics &amp; features of Computers, Components of Computers.</li><li>• Organization of Computer</li></ul>	Lecture	04	July	
	<b>Algorithm:</b> Definition, Characteristics, Advantages and disadvantages, Examples	Lecture	01	August	
	<b>Flowchart:</b> Definition, Define symbols of flowchart, Advantages and disadvantages Examples	Lecture	05	September	
	<b>Generation of Computers :</b> First to Fifth, Classification of Computers, Distributed & Parallel computers	Lecture	01	September	
2.	Computer Languages Types of Programming Languages <ul style="list-style-type: none"><li>o Machine Languages</li><li>o Assembly Languages</li><li>o High Level Languages</li></ul> Assembler, Linker, Loader, Interpreter & Compiler	Lecture	02	November	
	Memory Cell & Organization Types of Memory (Primary And Secondary) RAM, ROM,PROM,EPRM, Secondary Storage Devices ( FD, CD, HD, Pen drive, DVD, Tape Drive, DAT )	Lecture	13	July	
3.	<ul style="list-style-type: none"><li>• Input Devices :<ul style="list-style-type: none"><li>o Touch screen , OMR, OBR , OCR, Light pen</li></ul></li><li>• Output Devices :<ul style="list-style-type: none"><li>o Scanners, Digitizers, Plotters, LCD, Plasma Display, Printers,</li></ul></li></ul> Structure of Instruction, Description of Processor, Processor, Features, RISC & CISC	Lecture	03	August	

**Operating system Concepts**

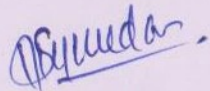
Why Operating System

- 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**

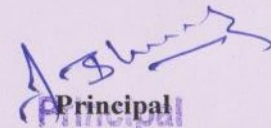
**September**



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SKM Gunjoti.



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**Gunjoti, Tq. Omerga.**

# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2018-2019

Class: B.Sc.



Department of Computer Science

Name of Faculty: Mr. I. S.

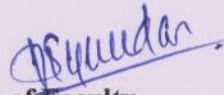
Inamdar

Paper No.: CS05 (II Sem.)

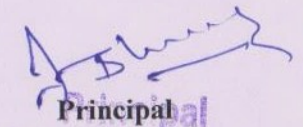
Paper Name: Programming in C

Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	<b>Introduction:</b> An Overview of C , History of C language, C as a Structured Language, Features of C.	Lecture	04	July	
2.	Basic Elements & Operators • Character set, C Token, Identifier & Keywords, Variables • Constant and its types. Integer constant, floating point constant, character constant,  <b>String constants.</b> • Operators: Arithmetic, Relational, And Logical, Unary operators: Increment & decrement Assignment and Conditional operator. • Precedence & Associativity of Operators	Lecture	10	August	
3.	<b>Data Types</b> • Data Types: int, char, float, double. Declaration & Initialization. • Type modifiers: long, short, signed and unsigned	Lecture	03	September	
4	<b>Structure of C Program:</b> 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> 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>				
6	<p><b>Arrays:</b> 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> 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 2018-2019

Class: B.Sc.

Name of Faculty: Mr. I. S. Inamdar

Paper Name: Advance C Programming

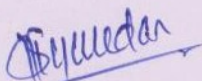
Department of Computer Science

Paper No.: CS07 (III Sem.)

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



	<p><b>Preprocessor Directives:</b></p> <p>File inclusion and conditional compiler directives, Macro substitution, #define, #if, #ifdef, #else, #elif, #endif</p>			
3.	<p><b>File handling:</b></p> <p>Introduction, Opening &amp; 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(), fflush(), remove(), rename(). Command line arguments: use of argc and argv. Graphics in C:</p> <p>Introduction: initgraph() and detectgraph() function, Drawing object in C, Line, Circle, Rectangle, Ellipse, Changing foreground &amp; background colors, Filling object by color, outtextx() function.</p>	Lecture	15	October



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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2018-2019

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 2018-2019

Class: B.Sc.

Department of Computer Science

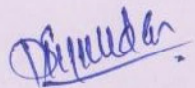
Paper No.: CS011 (IV Sem.)

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> 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. <b>Functions in C++:</b> Function prototype, Call by reference (using reference variable), Return by reference, Inline function, Default arguments, Const arguments.	Lecture	15	October, November	
2.	<b>Function overloading:</b> Different numbers and different kinds of arguments <b>Objects and Classes:</b> 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 January	

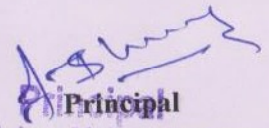
<p>3. <b>Constructors and Destructors:</b>          Introduction, default and parameterized constructors,          Multiple constructors in a class, Copy Constructor, Destructors  <b>Operator Overloading:</b>          Overloading unary operators,          Rules for operator overloading, Overloading without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



# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2018-2019

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

Department of Computer Science

Paper No.: CS011 (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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Department of Computer Science  
SKM Gunjoti

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2018-2019

Class: B.Sc

Department of Computer Science

Paper No.: CS016 (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.	<p>Introducing HTML5</p> <p>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></p> <p>HTML5 Layout container, Format using &lt;div&gt; element, Working with Tables: creating regular and irregular tables, heading, columns and rows, captions, header, footer.</p>	Lecture	15	July August	
2.	<p><b>Introducing JavaScript</b></p> <p>Basic of JavaScript, JavaScript Variables, Operators &amp; Its Precedence, Special Values, Predefined Built-in functions, Functions Declaration &amp; Call, String Functions</p> <p>Conditions and looping structure, Inline JavaScript &amp; External JavaScript</p> <p><b>Advances in JavaScript</b></p> <p>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</p> <p>Event handling in JavaScript: Capturing &amp; Bubbling, Subscribing, Unsubscribing and Cancelling Event, Windows Event, Keyboard and Mouse Events.</p>	Lecture	15	August september	
3.	<p><b>Cascading Style Sheet</b></p> <p>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</p>	Lecture	15	September October	

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SKM Gunjoti

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# SHRIKRISHNA MAHAVIDYALAYA, GUNJOTI

Teaching –Plan Academic Year 2018-2019

Class: B.Sc.

Department of Computer Science

Name of Faculty: Mr. I. S. Inamdar

Paper No.: CS018 (V Sem.)

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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Teaching –Plan Academic Year 2018-2019

Class: B. Sc.

Department of Computer Science

Paper No.: CS019 (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> 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> <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> <b>Modulation &amp; Multiplexing</b> 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 January	
3.	<b>The Mobile Telephone System:</b> 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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Teaching –Plan Academic Year 2018-2019

Class: B.Sc.

Name of Faculty: **Mr. I. S. Inamdar**

Paper Name: **Project**

Department of **Computer Science**

Paper No.: **CS022 (VI Sem.)**

Unit No.	Title / Subject	Method of Teaching	No. of Period	Duration of Date / Month/ Year	Remarks
1.	Case study	Demonstration	15	November, December January	
2.	Project	Demonstration	24	January February March	

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