Rayat Shikshan Sanstha's

S.S.G.M COLLEGE, KOPARGAON DIST -AHMEDNAGER

Teaching Plan (I Term): 2021 -2022

Class: **M.A. I** Subject: **Principles of Climatology** Paper Code: **GGUT-112**

Name of the Teacher: **Mr. Jagzap Pradeep Bhanudas**

No. of working days available: 129 **No. of periods available:** 60

I-Term		Topics According to University Syllabus
Month	**JUNE**	***Admission Process***
Working Days	14	
Periods Available	-	
Periods Required	-	
Month	**JULY**	**Introduction to Climatology** i. Meteorology and Climatology ii. Nature and Scope of Climatology iii. Development of Climatology iv. Tropical Climatology **Earth's Atmosphere** i. Evolution ii. Structure and composition of atmosphere iii. The ozone layer depletion iv. Aurora - types
Working Days	26	
Periods Available	16	
Periods Required	16	
Month	**AUGUST**	**Insolation** i. Solar and terrestrial radiation ii. Electromagnetic spectrum iii. Factors affecting insolation iv. Latitudinal and seasonal variation v. Effect of atmosphere vi. Greenhouse effect vii. Heat budget viii. Mechanisms of heat transfer **Temperature** i. Heat and temperature ii. Temperature measurements and controls iii. Lapse rate iv. Temperature inversion v. Types of inversion
Working Days	26	
Periods Available	16	
Periods Required	16	
Month	**SEPTEMBER**	**Atmospheric Pressure and Winds** i. Pressure measurement and distribution ii. Factors affecting distribution of pressure iii. Wind observation and measurement iv. Factors affecting wind v. Geostrophic wind and Gradient wind vi. Models of general circulation of the atmosphere vii. Jet stream theory viii. Local winds ix. Jet stream x. Cyclones and Anticyclones
Working Days	27	
Periods Available	16	
Periods Required	16	

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		Atmospheric Moisture i. Atmospheric moisture ii. Hydrologic cycle iii. Evaporation and condensation iv. Forms of condensation v. Precipitation vi. Types of precipitation vii. Measurement of humidity
Month	**OCTOBER**	**Atmospheric Stability** i. Lapse Rate: normal, environmental. dry adiabatic lapse rate and wet adiabatic lapse rate ii. Stable and unstable air iii. Absolute stability iv. Absolute instability v. Conditional instability **Air Masses and Fronts** i. Introduction to air masses and fronts ii. Types of air masses iii. Types of fronts
Working Days	26	
Periods Available	16	
Periods Required	12	
Month	**NOVEMBER**	***Diwali Vacation and Term End Examinations***
Working Days	10	
Periods Available	-	
Periods Required	-	

Signature of Teacher

Head

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Rayat Shikshan Sanstha's

S.S.G.M COLLEGE, KOPARGAON DIST -AHMEDNAGER

Teaching Plan (I Term): 2021 -2022

Class: **M.A. I** Subject: **Practicals in Physical & Human Geography**

Paper Code: **GGUT-115**

Name of the Teacher: - Mr. **Jagzap Pradeep Bhanudas**

No. of working days available: 12 **No. of periods available: 30**

I-Term		Topics According to University Syllabus
Month	**JUNE**	*Admission Process*
Working Days	14	
Periods Available	-	
Periods Required	-	
Month	**JULY**	**B) Climatology**
Working Days	26	**Climatic Element Diagrams**
Periods Available	16	i. Climatograph ii. Climograph
Periods Required	08	iii. Simple wind rose
Month	**AUGUST**	iv. Hythergraph
Working Days	26	v. Water Budget
Periods Available	16	**Climatic Classification**
Periods Required	08	i. Koppen's classification
Month	**SEPTEMBER**	**C) Population and Settlement Geography**
Working Days	27	**Population Indices and Projection**
Periods Available	16	i. Age sex pyramid ii. Infant mortality rate
Periods Required	08	iii. Population growth rate iv. Population projection
Month	**OCTOBER**	Measures of **Nucleation and Dispersion**
Working Days	26	i. Rank size rule
Periods Available	16	ii. Nearest neighbor analysis iii. Calculation of centrality
Periods Required	08	**Field Visit and Report Writing** i. One day study tour or long tour of geographical interest places anywhere in the country and excursion report
Month	**NOVEMBER**	*Diwali Vacation and Term End Examinations*
Working Days	10	
Periods Available	-	
Periods Required	-	

Signature of Teacher

Head

Principal

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Kopargaon

Department of Hindi

Rayat Shikshan Sansth's
S.S.G.M College, Kopargaon
ANNUAL TEACHING PLAN 2020-21

Academic Year: 2020-21 Class: F.Y.B.A. Sucject: HINDI

Paper name- वैकल्पिक हिंदी **Paper No.** G 1

		Topic/Unit	Sub-units planned
Month : Sep-20		युनिट - 1 काव्य साहित्य	1) जूही की कली - निराला 2) मैं नीर भरी दुख की बदली - महादेवी 3) कालिदास - नागार्जुन 4) रोटी और संसद - धूमिल
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : Oct-20		युनिट - 2 कहानी साहित्य	1) एक टोकरी भर मिट्टी - माधवराव सप्रे 2) ईदगाह - प्रेमचंद 3) जिंदगी और गुलाब के फूल - उषा प्रियंवदा 4) युद्ध - शानी
Teaching days	25		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : Nov-20		युनिट - 3 साहित्येतर पाठ्यक्रम	1) संवाद कौशल 2) सूत्रसंचालन 3) समूह चर्चा 4) इंटरनेट की सामान्य जानकारी
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : Dec-20		युनिट - कविता, कहानी	1) धार - अरुण कमल 2) गिलिज डिसूजा के नाम पत्र - अलका सरावगी
Teaching days	10		
Periods Allotted	04		
Periods Available			
Teaching/Test			
Month : Feb-21			विद्यापीठ अंतर्गत मूल्यांकन परीक्षा
Teaching days	15		
Periods Allotted	04		
Periods Available			
Teaching/Test			
Month : March-21	25	युनिट - 1 काव्य साहित्य	1) आदमी को प्यास लगती है - ज्ञानेंद्रपति 2) रोशनी के उस पार - ओमप्रकाश 3) उतनी दूर मत ब्याहना बाबा - निर्मला पुतुल 4) किताबें झाँकती है - गुलजार
Teaching days			
Periods Allotted	04		
Periods Available	08		
Teaching/Test			
Month : April-21		युनिट - 2 गद्य विधा	1) सरजू भैया - रामवृक्ष बेनीपुरी (रेखाचित्र) 2) भय - आ. रामचंद्र शुक्ल (निबंध) 3) एक बूंद सहसा उछली - अज्ञेय 4) मजबूरी मोरा - सम्पूर्णानंद वर्मा
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : May-21		युनिट - 3 साहित्येतर पाठ्यक्रम	1) लेखन कौशल 2) निबंध लेखन 3) विज्ञापन लेखन 4) वाक्य शुद्धिकरण
Teaching days	25		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : June-21		युनिट - कविता कहानी	1) नींव की ईंट हो तुम दीदी - अरुण प्रकाश 2) प्रतिशोध - डॉ. रामकुमार वर्मा
Teaching days	14		
Periods Allotted	04		
Periods Available	08		
Teaching/Test			

S. C. Kawade
Signature of the Teacher
(S. C. Kawade)

Maurya
Signature of the HOD
हिंदी विभागाध्यक्ष,
एस. एस. जी. एम. कॉलेज,
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ANNUAL TEACHING PLAN

Academic Year: 2020-21 Class: S.Y.B.A. Sucject: HINDI

Paper name- आधुनिक काव्य, कहानी तथा व्यावहारिक हिंदी **Paper No.** 62

		Topic/Unit	Sub-units planned
Month : Sep-20		युनिट - 1	* नाच - अज्ञेय
Teaching days	24	काव्य	* देश कागज पर बना नक्शा नहीं होता
Periods Allotted	04	साहित्य	* गुमलव से संवाद - अरुण कमल
Periods Available	16		* हाकी खेलती लड़कियाँ - कात्यायनी
Teaching/Test			
Month : Oct-20		युनिट - 2	* दूसरे - कमलेश्वर
Teaching days	25	कहानी	* स्त्री - मन्नू भंडारी
Periods Allotted	04	साहित्य	* नमाज - ओमप्रकाश
Periods Available	16		* छापनी में चेहरा - भावना मिश्र
Teaching/Test			
Month : Nov-20		युनिट - 3	* हिंदी कारक व्यवस्था
Teaching days	24	साहित्येतर	* शब्द युग्म
Periods Allotted	04	पाठ्यक्रम	* संक्षेपण
Periods Available	16		
Teaching/Test			
Month : Dec-20		युनिट -	* कूड़ा बीनते बच्चे - अनामिका
Teaching days	10	कविता,	* धरती अब भी घूम रही है - विष्णु प्रभाकर
Periods Allotted	04	कहानी	
Periods Available	06		
Teaching/Test			
Month : Feb-21			अंतर्गत मूल्यांकन परीक्षा
Teaching days	15		
Periods Allotted	04		
Periods Available	08		
Teaching/Test			
Month : March-21		युनिट - 1	* तीनों बंदर बापू के - नागार्जुन
Teaching days	25	काव्य	* बात बोलेगी - काका हाथरसी
Periods Allotted	04		* विद्वान लोग - उदय प्रकाश
Periods Available	16		* कितनी मौतें - अशोक चक्रधर
Teaching/Test			
Month : April-21		युनिट - 2	* प्रेम की बिरादरी - हरिशंकर परसाई
Teaching days	24	कहानी	* अफसर - शरद जोशी
Periods Allotted	04		* सावधान हम ईमानदार हैं - रविन्द्र धोंडी
Periods Available	16		* मुख्यमंत्री का डंडा - फुजरदि
Teaching/Test			
Month : May-21		युनिट - 3	* साक्षात्कार
Teaching days	25	साहित्येतर	* भाषा से संबंधित ॲप्स
Periods Allotted	04	पाठ्यक्रम	* पल्लवन
Periods Available	16		
Teaching/Test			
Month : June-21		युनिट -	* तोले - सुभाष काबरा
Teaching days	14		* देश के लिए नेता - शैल चतुर्वेदी
Periods Allotted	04		
Periods Available	08		
Teaching/Test			

S.C.Wawade
Signature of the Teacher
(S.C.Wawade)

Olavrya
Signature of the HOD

हिंदी विभागाध्यक्ष,
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S.S.G.M College, Kopargaon
ANNUAL TEACHING PLAN
Academic Year: 2020-21 Class: S.Y.B.A. Sucject: HINDI

Paper name- मध्ययुगीन काव्य तथा उपन्यास साहित्य Paper No. 5.2

		Topic/Unit	Sub-units planned
Month : Sep-20		युनिट -1 कबीर के दोहे	i) गुरुदेव को अंग ii) विरह को अंग iii) माया को अंग iv) निंदा को अंग
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : Oct-20		युनिट -2 मीराबाई के पद	* मीराबाई का व्यक्तित्व सावं कृतित्व * मीराबाई की भक्ति * मीराबाई के पद
Teaching days	25		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : NOV-20		युनिट -3 उपन्यास	* समता कालिया का व्यक्तित्व सावं कृतित्व * दारू पानी के नोट्स - कथावस्तु * पात्र - चरित्र चित्रण * उद्देश्य
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : Dec-20		युनिट - कबीर	* कबीर का व्यक्तित्व सावं कृतित्व * कबीर की भक्ति भावना * कबीर का समाजसुधार
Teaching days	10		
Periods Allotted	04		
Periods Available	08		
Teaching/Test			
Month :			आंतरीत मूल्यांकन परीक्षा
Teaching days Feb-21	15		
Periods Allotted	04		
Periods Available			
Teaching/Test			
Month : March-21		युनिट - 1 रहीम के दोहे	* रहीम का व्यक्तित्व सावं कृतित्व * रहीम की भक्ति भावना * रहीम के नीति परक दोहे * सवैया सहित
Teaching days	25		
Periods Allotted	04		
Periods Available	08		
Teaching/Test			
Month : April-21		युनिट -2 बिहारी के दोहे	* बिहारी का व्यक्तित्व सावं कृतित्व * बिहारी का शृंगार वर्णन * बिहारी - नायक- नायिका वर्णन
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : May-21		युनिट -3 नाटक	* नाटक के तत्व * मन्नू भंडारी का व्यक्तित्व सावं कृतित्व * महाभोज नाटक की कथावस्तु
Teaching days	25		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : June-21		युनिट - नाटक	* पात्र चरित्र चित्रण * देशकाल / वातावरण * संवाद * उद्देश्य
Teaching days	14		
Periods Allotted	04		
Periods Available	12		
Teaching/Test			

S. Okanade
Signature of the Teacher
(S. Okanade)

Maurya
Signature of the HOD

हिंदी विभागाध्यक्ष,
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S.S.G.M College, Kopargaon
ANNUAL TEACHING PLAN
Academic Year: 2020-21 Class: T.Y.B.A. Sucject: HINDI

Paper name- काव्यशास्त्र **Paper No.** 54

		Topic/Unit	Sub-units planned
Month : Sep-20			
Teaching days	24	युनिट – 1 काव्य की परिभाषाएँ	१ काव्य का स्वरूप २ संस्कृत परिभाषा ३ अंग्रेजी परिभाषा ४ हिंदी परिभाषा
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : Oct-20			
Teaching days	25	युनिट – 2 काव्य - रूप के तत्व	१ भाव तत्व २ बुद्धि तत्व ३ कल्पना तत्व ४ शैली तत्व
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : Nov-20			
Teaching days	24	युनिट – 3 काव्य हेतु	१ काव्य के हेतु - प्रतिभा व्युत्पत्ती, अभ्यास, समाधी।
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : Dec-20			
Teaching days	10	युनिट – 4 काव्य के प्रयोजन	काव्य के प्रयोजन - यश प्राप्ति, अर्थ प्राप्ति, कांता सम्मित उपदेश, व्यवहार ज्ञान
Periods Allotted	04		
Periods Available	06		
Teaching/Test			
Month : Feb-21			विद्यापीठ परीक्षा / अंतर्गत मूल्यांकन परीक्षा
Teaching days	15		
Periods Allotted	04		
Periods Available	08		
Teaching/Test			
Month : March-21			
Teaching days	25	युनिट – 5 शब्द शक्ति	शब्द शक्ति - अभिधा, व्यंजना, लक्षणा का सामान्य परिचय
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : April-21			
Teaching days	24	युनिट – 6 काव्य के भेद	१ महाकाव्य २ खंडकाव्य ३ मुक्तक काव्य ४ गीतिकाव्य
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : May-21			
Teaching days	25	युनिट – 7 अलंकार	१ अलंकार स्वरूप २ अलंकार का महत्व ३ अलंकार के भेद
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : June-21			
Teaching days	14	युनिट – अलंकार के भेद	१) शब्दालंकार २) अर्थालंकार
Periods Allotted	04		
Periods Available	08		
Teaching/Test			

S.C.Nawade
Signature of the Teacher
(S.C.Nawade)

Olaurya
Signature of the HOD

हिंदी विभागाध्यक्ष,
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S.S.G.M College, Kopargaon
ANNUAL TEACHING PLAN

Academic Year: 2020-21 **Class:** M.A I (Sem II) **Sucject: HINDI**

Paper name- पाश्चात्यकाव्यशास्त्र **Paper No.** 20503

		Topic/Unit	Sub-units planned
Month : Feb.		युनिट –	पाश्चात्य काव्यशास्त्र का विकासक्रम प्लेटो का अनुकरण सिध्दांत अरस्तू अनुकरण सिध्दांत त्रासदी विवेचन, विरेचन सिध्दांत।
Teaching days	15		
Periods Allotted	04		
Periods Available	08		
Teaching/Test			
Month : March		युनिट –	वर्डसवर्थ का काव्यभाषा सिध्दांत कॉलरिज का कल्पना और फैंटेसी सिध्दांत लोंजाइनस का योगदान उदात्त के मंतरंग तत्व लोंजाइनस का उदात्त सिध्दांत, महत्व।
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : April		युनिट –	टी.एस. इलियट: निर्वैयक्तिकता का सिध्दांत परंपरा की परिकल्पना और वैयक्तिक प्रज्ञा. वस्तुनिष्ठ समीकरण।
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : May		युनिट –	आई.ए रिचर्डस: मूल्य सिध्दांत संप्रेषण सिध्दांत काव्यभाषा सिध्दांत. व्यावहारिक आलोचना।
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : June 15			विद्यापीठ अंतर्गत मूल्यांकन परीक्षा. 2020-21
Teaching days	14		
Periods Allotted	04		
Periods Available	08		
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			

Signature of the Teacher

DR. DANE Y.V.

Signature of the HOD

हिंदी विभागाध्यक्ष,
एस. एस. जी. एम. कॉलेज,
कोपरगांव, जि. अ. नगर

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S.S.G.M College, Kopargaon
ANNUAL TEACHING PLAN

Academic Year 2020-21 **Class:** M. A I (Sem I) **Sucject: HINDI**

Paper name- भारतीय काव्यशास्त्र **Paper No.** 10503

		Topic/Unit	Sub-units planned
Month : September		युनिट –	भारतीय काव्यशास्त्र का विकासक्रम रस का सिध्दांत : रस का स्वरूप, रस के अंग रस निष्पत्ति के सिध्दांत (भट्टलोल्लट, शंकुक, भुक्ति साधारणीकरण की अवधारणा ।
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : October		युनिट –	अलंकार सिध्दांत : परिभाषा स्वरूप, अलंकार के भेद, काव्य में अलंकार का महत्व रीति सिध्दांत : अवधारणा रीति के भेद, गुण रीति एवं शैली.
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : November		युनिट –	वक्रोक्ति सिध्दांत - वक्रोक्ति अवधारणा, भेद। ध्वनि सिध्दांत : ध्वनि का स्वरूप, ध्वनि सिध्दांत भेद, ध्वनि काव्य के प्रमुख भेद।
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : December		युनिट –	औचित्य सिध्दांत : स्वरूप औचित्य के भेद। काव्य में औचित्य की अनिवार्यता ।
Teaching days	10		
Periods Allotted	04		
Periods Available	06		
Teaching/Test			
Month :			
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			

Signature of the Teacher
Dr. Dare Y. V.

Signature of the HOD

for हिंदी विभागाध्यक्ष,
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ANNUAL TEACHING PLAN

Academic Year: 2020-21 **Class:** M.A II Sem I **Sucject:** HINDI

Paper name- हिंदी साहित्य का इतिहास (आदिकाल से रीतिकाल तक) **Paper No.** 30503

		Topic/Unit	Sub-units planned
Month : Sep		युनिट –	हिंदी साहित्येतिहास दर्शन, लेखन की पध्दतियाँ, हिंदी साहित्य का इतिहास काल विभाजन और नामकरण।
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : Oct		युनिट –	आदिकाल की विशेषताएँ साहित्यिक प्रवृत्तियाँ रासो साहित्य, जैन, सिध्द और नाथ साहित्य. अमीर खुसरो की हिंदी कविता.
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : Nov		युनिट –	भक्ति आंदोलन का अखिल भारतीय स्वरूप आलवार भक्त, भक्तिकाल प्रमुख संप्रदाय इनका वैचारिक आधार, निर्गुण-सगुण कवि और उनका काव्य। निर्गुण धारा के कवि.
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : Dec		युनिट –	कबीर, रैदास, दादू, नामदेव, नानक, कुलभूषण मंसूर। सगुण धारा के कवि सूरदास, मीराबाई, रसखान नंददास, तुलसीदास, नाभादास।
Teaching days	10		
Periods Allotted	04		
Periods Available	06		
Teaching/Test			
Month : Jan Extra online			रीतिकाल - सामाजिक, सांस्कृतिक पृष्ठभूमि रीतिकाल की प्रमुख प्रवृत्तियाँ - रीतिबध्द, रीतिसिध्द और रीतिमुक्त। रीतिकाल के कवि और उनका काव्य बिहारी, केशव, घनानंद, देव भूषण, बोधा, भारतेंदु
Teaching days	15		
Periods Allotted	04		
Periods Available	08		
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			

Signature of the Teacher

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ANNUAL TEACHING PLAN

Academic Year: 2020 - 21 **Class:** M.A II Sem III **Sucjeet: HINDI**

Paper name- हिंदी साहित्य का इतिहास (आधुनिक काल) **Paper No.** 40503

		Topic/Unit	Sub-units planned
Month : Feb		युनिट –	हिंदी गद्य का उद्भव और विकास, भारतेंदु पूर्व हिंदी गद्य, 1857 की क्रांति और सांस्कृतिक पुनर्जागरण, भारतेंदु युग - 19 वी शताब्दी की हिंदी पत्रकारिता ।
Teaching days	15		
Periods Allotted	04		
Periods Available	08		
Teaching/Test			
Month : March		युनिट –	द्विवेदी युग, महावीरप्रसाद द्विवेदी और उनका युग, हिंदी नवजागरण और सरस्वती पत्रिका, राष्ट्रीय काव्यधारा के कवि स्वच्छंदतावाद और उसके प्रमुख कवि ।
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : April		युनिट –	छायावाद, प्रगतिवाद, छायावादि काव्य की प्रमुख विशेषताएँ, छायावाद के प्रमुख कवि प्रगतिवादि काव्य और प्रमुख कवि प्रगतिवादि काव्य की विशेषताएं ।
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : May		युनिट –	प्रयोगवाद, नई कविता, प्रयोगवाद के प्रमुख कवि, प्रयोगवाद की विशेषताएं, नई कविता की विशेषताएं, नई कविता के प्रमुख कवि ।
Teaching days	24		
Periods Allotted	04		
Periods Available	16		
Teaching/Test			
Month : June 15			विद्यापीठ सेवांतर्गत मूल्यांकन परीक्षा 2020-21
Teaching days	14		
Periods Allotted	04		
Periods Available	08		
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			
Month :		युनिट –	
Teaching days			
Periods Allotted			
Periods Available			
Teaching/Test			

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- Teaching Plan –

Academic Year: 2019-20 **Class:** T.Y.B.Sc Semester: III

Name of the Teacher: Mr.Gaikwad.D.N **Paper:** Physical Chemistry (CH-331)

Sr. No.	Month	No. of Working Days	Lectures available	Topic to be covered	Subtopic to be covered	Lectures required	Teaching Methods used
1	Jul	26	16	Chemical Kinetics	Recapitulation of Chemical Kinetics, Third order reaction, Derivation of integrated rate law for third order reaction with equal initial concentration, characteristics of third order reaction, examples of third order reaction, Methods to determine order of reaction using Integrated rate equation method.	14	Chalk and Talk ICT
2	Aug	25	16	Electrolytic Conductance	Recapitulation of Electrolytic conductance,Specific and equivalent conductance,Variation of equivalent conductance with concentration, Kohlrausch's law and its applications to determine a. Equivalent conductance at infinite dilution of a weak electrolyte, b. The ionic product of water, c. Solubility of sparingly soluble salts,Migration of ions and ionic mobilities, absolute velocity of ions, Transport number determination by Hittorf's method and moving boundary method, Relation between ionic mobility, ionic conductance and transport number	16	Chalk and Talk ICT
3	Sept	20	16	Investigation of Molecular Structure	Molar refraction, Electrical polarization of molecules, Permanent dipole moment, Determination of dipole moment, Molecular spectra - Rotational, vibrational and Raman spectra Refference.	18	Chalk and Talk ICT

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4	Oct	15	10	Phase Rule	Definitions, Gibb's phase rule, one component system (moderate pressure only) for sulphur and wat stem, two component system for silver-lead and zinc-cadmium.	08	Chalk and Talk ICT

Refference:- 1. Principles of Physical Chemistry, Fourth Edition by S.H. Marron and C. F. Pruton
2. Essentials of Physical Chemistry by B.S. Bahl, G.D.Tuli and ArunBahl Edition 2000 S. Chand and Company Ltd.
2. Essentials of Physical chemistry by BahlTuli-Revised Multicolor Edition 2009

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- Teaching Plan –

Academic Year: 2019-20 **Class:** T.Y.B.Sc Semester: III

Name of the Teacher: Mr.A.K Deshmukh **Paper:** Inorganic Chemistry (CH-332)

Sr. No.	Month	No. of Working Days	Lectures available	Topic to be covered	Subtopic to be covered	Lectures required	Teaching Methods used
1	Jul	26	16	Molecular Orbital Theory	Limitations of Valence Bond theory(VBT), Need of Molecular orbital theory (MOT), Features of MOT, Formation of molecular orbitals(MO's) by LCAO principle, Rules of LCAO combination, Different types of combination of Atomic orbital(AO's): S-S, S-P, P-P and d-d, Non-bonding combination orbitals(formation of NBMO), M.O. Energy level diagram for homonuclear diatomic molecules, Bond order and existence of molecule from bond order	16	Chalk and Talk ICT
2	Aug	25	16	Coordination Chemistry	**I. INTRODUCTION TO COORDINATION CHEMISTRY (03 L)** 1. General account and meaning of the terms involved in coordination chemistry: Coordinate bond, central metal atom or ions, ligand, double salt, complex compound, coordination number, charge on the complex ion, oxidation number of Metal ion, first and second coordination sphere. 2. Ligands: Definition, Classification, Chelates and chelating agents. 3. Formation Constant, inert and labile complexes. 4. IUPAC nomenclature of coordination compounds	10	Chalk and Talk ICT

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3	Sept	20	16		**II. WERNER'S THEORY OF COORDINATION COMPOUNDS** Assumptions of Werner's coordination theory, Werner's formulation of Coordination compounds, Physical and chemical test to support his formulation of ionizable and non-ionizable complexes. **III. ISOMERISM IN COORDINATION COMPLEXES** Definition of isomerism in complexes-Structural Isomerism and stereoisomerism, 1. Structural isomerism 2. Stereoisomerism and its types-Geometrical isomerism and optical isomerism.	10	Chalk and Talk ICT
4	Oct	15	10		**IV. SIDGWICK THEORY** Concept of Sidgwick's model, Scheme of arrow indication for M-L bond suggested by Sidgwick, Effective Atomic Number rule (EAN), Calculations of EAN value for different complexes and stability of complexes, Advantages and Drawbacks of Sidgwick's theory. **V. PAULING'S VALENCE BOND THEORY (06 L)** Introduction of Valence Bond Theory (VBT), Need of concept of hybridization, Aspects of VBT, Assumptions, VB representation of tetrahedral, square planer, trigonalbipyramidal and octahedral complexes with examples, Inner and outer orbital complexes, Electro neutrality principle, Multiple bonding(dπ-pπ and dπ-dπ), Limitations of VBT.	13	Chalk and Talk ICT

Refference:-

Ref. 1 Introduction to Electrochemistry by Glasstone - 2ndedition.

Ref. 2 Concise Inorganic Chemistry by J.D. Lee - 5thedition.

Ref. 3 Inorganic Chemistry, - D.F. Shiver & P.W. Atkins- C.H.Longford ELBS - 2ndedition.

Teacher In-charge
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- Teaching Plan –

Academic Year: 2019-20 **Class:** T.Y.B.Sc Semester: III

Name of the Teacher: Dr.N.M Chavhan **Paper:** Organic Chemistry (CH-333)

Sr. No.	Month	No. of Working Days	Lectures available	Topic to be covered	Subtopic to be covered	Lectures required	Teaching Methods used
1	Jul	26	16	Strength of organic acids and bases	*p*ka, origin of acidity, influence of solvent, simple aliphatic saturated and unsaturated acids,substituted aliphatic acid, phenols, aromatic carboxylic acids, *p*ka and temperature, *p*kb, aliphatic and aromatic bases, heterocyclic bases, acid base catalysis.	05	Chalk and Talk ICT
2				Stereochemistry of disubstituted cyclohexane	Introduction, 1,1-alkyl disubstituted cyclohexane; Dimethyl cyclohexane 1,2; 1,3 and 1,4. Geometrical isomerism, Optical isomerism, stability of conformation, energy calculations.	09	Chalk and Talk ICT
3	Aug	25	14	Nucleophilic substitution at aliphatic Carbon	Introduction, Nucleophile and leaving groups, Mechanism of nucleophilic substitution. The S_N1 reaction: Kinetics, mechanism and stereochemistry (Racemization), stability of carbocation. The S_N2 reaction: Kinetics, mechanism & stereochemistry (inversion).	12	Chalk and Talk ICT
4	Sept	20	16	Reactions of unsaturated hydrocarbons and carbon oxygen double bond	**a) Reaction of Carbon-Carbon double bond**: Introduction, Mechanism of electrophilic addition to C=C bond. Orientation & reactivity, Rearrangements, (Support for formation of carbocation). Addition of hydrohalogen, Anti Markownikoff's addition (peroxide effect) with mechanism, Addition of halogens (dl pairs and meso isomers), hypohalous acids (HOX), **b) Reactions of Carbon –Carbon triple bond**: Addition of hydrogen, halogens, halogen acids, water and formation of metal acetylides and its application.	18	Chalk and Talk ICT

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					c) Reactions of Carbon –Oxygen double bond: Introduction, Structure of carbonyl group, reactivity of carbonyl group, addition of Hydrogen cyanide, alcohols, thiols, water, ammonia derivatives, Cannizzaro and Reformaski reactions		
5	Oct	15	14	Elimination Reactions	Introduction; 1,1; 1,2 elimination,E1, E2 and E1cB mechanism with evidences, Hoffmann and Saytzeff's elimination, reactivity effect of structure, attacking and leaving groups.	06	Chalk and Talk ICT
6				Aromatic Electrophilic and Nucleophilic Substitution	Introduction, arenium ion mechanism, Effect of substituent group (Orientation, o/p directing and meta directing groups). Classification of substituent groups (activating and deactivating groups) Mechanism of – Nitration, Sulfonation, Haloganation, Fridel-Crafts reactions,	08	Chalk and Talk ICT

Refference:-

1) Organic Chemistry by Morrison and Boyd 6thEdn
2) Organic Chemistry by Cram and Hammond.

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- Teaching Plan – Electronic Science

Academic Year: 2018-19 **Class:** F.Y.B.Sc **Semester:** III

Name of the Teacher: Londhe Aditi Sopanrao **Paper:1:** EL-101: Principles of Analog Electronics

Sr. No.	Month	No. of Working Days	Lectures available	Topic to be covered	Subtopic to be covered	Lectures required	Teaching Methods used
1	Jul	12	12	1. Passive Components	1.Study of basic circuit elements and passive components (with special reference to working principle,circuit symbols, types, specifications and applications): Resistor, Capacitor, Inductor	15	Chalk And Board method
2	Aug	12	14	2. Basic Electrical Circuits and Circuit Theorems	2. Concept of Ideal Voltage and Current source, internal resistance, dc sources(voltage/current) and sinusoidal ac source(amplitude, wavelength, period,frequency, phase angle), Networkterminology,Ohms law, series and parallel circuits of resistors, capacitors and inductors, voltage and current dividers, Kirchhoff's Laws	14	
3	Sep	12	10	3. Semiconductor Diodes and Circuits	3. Rectifiers (half and full wave), rectifier with capacitor-filter, Zener regulator, Block diagram of power supply	12	
4	Oct	12	14	4. BJT	4. Bipolar Junction Transistor (BJT) symbol, types, construction, working principle, I-V characteristics, parameters, specifications.Concept of amplification, voltage and current amplifer.Transitor amplifier configuarations - CB, CC and CE	18	
5	Dec	12	10	5. UJT,FETs and Applications	5. Symbol, types, construction, working principle, I-V characteristics, Specifications parameters of Uni-Junction Transistor (UJT),Junction Field Effect Transitor (JFET), Metal Oxide Semiconductor FET (MOSFET), comparison of JFET, MOSFET and BJT	12	
6	Jan /Feb	12	12	6. Operational Amplifier	6. Symbol, block diagram, Opamp characteristics, basic parameters (ideal and practical) such as input and output impedance, bandwidth, differential and common mode gain, CMRR, slew rate, Concept of virtual ground, concept of feedback, Information about IC741	15	

Reference: Basic Electronics:Bernard Grob, McGraw Hill Publication, 8th Revised Edition 2010 ,Electronic Principles: Albert Malvino, David J Bates, McGraw Hill 7th Edition 2012

Teacher In-charge

for Head

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- Teaching Plan –

Academic Year: 2018-19 **Class:** T.Y.B.Sc **Semester:** III

Name of the Teacher: Londhe Aditi Sopanrao **Paper:** C -programming

Sr. No.	Month	No. of Working Days	Lectures available	Topic to be covered	Subtopic to be covered	Lectures required	Teaching Methods used
1	July	16	16	1. C -fundamentals	1.Introduction, character set, constants and variables, Key words, Symbolic constant, statements, entering and executing C program, input and output simple and formatted functions, operators and expressions, control structures and loops and programming examples.	16	PPTS
2	Aug	16	14	2. Functions,arrays and pointers	2.Defining a function, Accessing a function, function prototype, passing argument, recursion e.g. Defining and processing of an array, passing array to a function, Pointers declarations, passing pointers to a function, operations of Pointers, pointers as function parameters and programming examples.	14	
3	Sept	16	08	3.String and file handling	3.Operations on string, string length, string size, string copy, string concatenation, string compare, Opening and closing of data file, read and write data file, processing data file and append data file.	15	Chalk and board method
4	oct	16	10	4. Algorithm	4.Algorithm definition, properties of algorithm, sorting algorithm, Bubble sort algorithm, selection sort algorithm, Insertion sort algorithm, quick sort algorithm, linear search algorithm and Binary search algorithm	12	

Reference: 1. Jayasri The 'C Language Trainer with C Graphics and C++ WILEY 2. Byron, S. Gottfried Schaum's Outline of Programming with C TMH 3. E Balaguruswamy Programming in –C BPB 4. Stephens Cochan Programming in C Prentice hall of India Ltd 5. V. Rajaraman Computer Programming in C Prentice hall of India Ltd. 6. Madhusudan Mothe C for Beginner shroff / the x team reprints

Teacher In-charge Londhe

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DEPARTMENT OF MATHEMATICS

Teaching Plan

Year - 2018 – 2019

Class: F.Y.B.Sc. Paper:I

Name of the Teacher: Prof. Ukirde R. J. (Algebra)

Month	Available Lectures	Topic
July	10	**Unit 01: Integers 15 Lectures** **1.1** Well Ordering Principle for N. Principle of Mathematical induction (strong form). **1.2** Divisibility in Z: Definition and elementary properties. Division Algorithm, Euclidean Algorithm (Without proof) G.C.D. and L.C.M of integers, Relatively prime integers,
August	09	Definition Prime numbers ,Euclid's lemma, Basic properties of G.C.D., G.C.D of any two integers _ and _ if it exists is unique and can be expressed in the form __ _ __, where _, _ _ . **1.3** Equivalence Relations, Equivalences classes, properties of Equivalences classes, Definition of partition, every partition gives an equivalence relation and vice-versa, Definition of Congruence, Congruence as equivalence relation on , Residue classes, Partition of , Addition modulo n , Multiplication modulo n.

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DEPARTMENT OF MATHEMATICS

Teaching Plan

Year - 2018 – 2019

Class: T.Y.B.Sc.

Paper: VIII

Name of the Teacher: Prof. Tambe B.R.

(Computational Geometry)

Month	Available Lectures	Topic
Dec	20	**1. Two dimensional Transformations:** Introduction, Representation of Points, Transformations and Matrices, Transformation of Points, Transformation of Straight Lines, Midpoint Transformation, Transformation of Parallel Lines, Transformation of Intersecting Lines, Rotation, Reflection, Scaling, Combined Transformations, Transformation of the Unit Square, Solid Body Transformation, Translations and Homogeneous Coordinates, Rotation About an Arbitrary Point, Reflection Through an Arbitrary Line, Projection - A Geometric Interpretation of Homogeneous Coordinates, Overall Scaling, Points at Infinity.
Dec Jan	04 12	**2. Three Dimensional Transformations:** Three Dimensional Scaling and Shearing, Three Dimensional Rotation. Three Dimensional Reflection. Three Dimensional Translation. Multiple Transformations, Rotations about an Axis Parallel to a coordinate axis, Rotation about an Arbitrary Axis in Space, Reflection Through an Arbitrary Plane. Affine and Perspective Geometry, Orthographic Projections, Axonometric Projections, Oblique Projections, Perspective Transformations. Techniques for generating perspective views, Vanishing points.
Jan Feb	12 06	**3. Plane Curves :** Curve representation, non-parametric curves, parametric curves, parametric representation of a circle, parametric representation of an Ellipse, parametric representation of a parabola, parametric representation of a Hyperbola.
Feb	16	**4. Space Curves Beizer curves:** Introduction, definition, properties (without proofs), curve fitting (up to n = 3), equation of the curve in matrix form (up to n = 3).

Subject Teacher

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Zoology

Teaching Plain (I / II - Term)

Class F.Y.B.Sc Subject Cell Biology Paper II Year 2017-18

Name of the teacher R. S. Naik

No. of working days available 108 / 90 No. of periods available 42

		Topics according to University Syllabus
Month	July	Introduction to cell Biology – (4)
Working days 15	26	Str. of pro & Eukaryotic cells – (3)
Periods available	9	Str. & functions of cell membrane (2)
Periods required		
Month	Aug	Str. & fun. of cell Membrane – (4)
Working days	24	composition of cytoplasm – (1)
Periods available	11	Endoplasmic reticulum – (2)
Periods required		Golgi complex – (2)
		Lysosomes, perox. & glyoxysomes – (2)
Month	Sept	Ribosomes (2)
Working days	26	Mitochondria (2)
Periods available	15	Nucleus (5)
Periods required		Functions of Nucleus (2)
		Cell cycle (3)
		Mitosis (1)
Month	Oct	Mitosis – (3)
Working days	18	Meiosis (4)
Periods available	07	
Periods required		

Teachers Signature

Date : 25/7/2016

Head,
Department of Zoology

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S.S.G.M.College,Kopargaon

S.S.G.M. Zoology Dept. Kopargaon

Principal
S.S.G.M.College
Kopargaon

RAYAT SHIKSHAN SANSTHA'S

SSGM COLLEGE, KOPARGAON

DEPARTMENT OF MATHEMATICS

Teaching Plan

Year - 2017 – 2018

Term I

Class: F.Y.B.Sc. Paper: I

Name of the Teacher: Prof. Chouhan D. R. (Algebra & Geometry)

Month	Available Lectures	Topic
August	07	**Unit 02: Polynomials 6 Lectures** **2.1** Definition of polynomial, Degree of polynomial, Algebra of polynomials, Division algorithm (without proof). G.C.D of two polynomials (without proof). **2.2** Remainder Theorem, Factor Theorem. **2.3** Relation between the roots and the coefficients of a polynomial, Examples.
August September	05 15	**Unit 03: Matrices and System of linear equations. 15 Lectures** **3.1** Matrices, Echelon and Reduced echelon form of a matrix, Reduction of matrix to its echelon form, Definition of rank of a matrix by using echelon form. **3.2** System of linear equations, Matrix form of system of linear equations, Homogeneous and non-homogeneous system of linear equations, Gauss Elimination and Gauss Jordan Method. **3.3** Consistency of a system of linear equations, condition of consistency (without proof). **3.4** Eigen values, Eigen vectors, characteristic equation of a matrix of order up to 3×3 **3.5** Statement of Cayley Hamilton theorem and its use to find the inverse of a matrix.

Subject Teacher

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Teaching Plan

Year - 2017 – 2018

Class: F.Y.B.Sc.

Paper:II

Name of the Teacher: Prof. Shinde. N. D

(Algebra & Geometry)

Month	Available Lectures	Topic
July	10	**Unit 01: Integers 15 Lectures** **1.1** Well Ordering Principle for N. Principle of Mathematical induction (strong form). **1.2** Divisibility in Z: Definition and elementary properties. Division Algorithm, Euclidean Algorithm (Without proof) G.C.D. and L.C.M of integers, Relatively prime integers,
August	09	Definition Prime numbers ,Euclid's lemma, Basic properties of G.C.D., G.C.D of any two integers _ and _ if it exists is unique and can be expressed in the form __ _ __, where _, _ _ . **1.3** Equivalence Relations, Equivalences classes, properties of Equivalences classes, Definition of partition, every partition gives an equivalence relation and vice-versa, Definition of Congruence, Congruence as equivalence relation on , Residue classes, Partition of , Addition modulo n , Multiplication modulo n.

Subject Teacher

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Department of Mathematics

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