

Pravara Rural Education Society's Arts, Commerce and Science College, Satral Tal. Rahuri, Dist. Ahmednagar- 413711 Affiliated to Savitribai Phule Pune University, Pune.

## Self-Study Report: 2024 (3rd Cycle)



**Criterion-2 Teaching-Learning and Evaluation** 

> Key Indicator: 2.6 Student Performance and Learning Outcomes

# **Metric: 2.6.1 (QIM)**

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website



#### Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL BENGALURU

# PROGRAMME OUTCOMES (POs) AND

## COURSE OUTCOMES (COs)

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### Program Outcomes (POs)

#### 1. B.A.

- PO-1. The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.
- PO-2. The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking.
- PO-3. The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.
- PO-4. The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.

PO-5. The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

### 2. B.Com.

- PO-1. Developed management skills.
- PO-2. Having basic knowledge of important business laws, financial accounting and Management Accounting.
- PO-3. Developed Entrepreneurial ability.
- PO-4. Developed numerical ability.
- PO-5. Well familiar with business regulatory framework.

### 3. B.Sc.

- PO-1. Conduct research relevant to a scientific issue, evaluate different sources of Information including secondary data, understanding that a source may lack detail or show bias.
- PO-2. It helps to develop scientific temper and thus can prove to be more beneficial for the society as the scientific developments can make a nation to grow at a rapid pace.
- PO-3. After the completion of this course students have the option to go for higher studies i.e. M.Sc. and then do some research for the welfare of mankind.
- PO-4. After higher studies students can join as scientist and can even look for professional job oriented courses.
- PO-5. Science graduates can go to serve in industries or may opt for establishing their own industrial unit.

### 4. M.Com.

- PO-1. Demonstrate an understanding of advanced commercial and business methods and processes, enabling learners to tackle and overcome challenges in the corporate world effectively.
- PO-2. Exhibit independent and logical thinking skills, leading to enhanced personality development and the ability to approach complex business situations with a critical mindset.
- PO-3. Recognize the significance of research in the business domain and apply research methodologies to address industry-specific problems and opportunities.
- PO-4. Acquire proficiency in various methods of data collection and interpretation, enabling learners to make informed decisions based on data-driven insights.
- PO-5. Enhance communication and analytical skills, fostering effective collaboration and problem-solving in professional settings.

### 5. M.Sc.

- PO-1. Demonstrate, solve and an understanding of major concepts in all disciplines of Chemistry.
- PO-2. Solve the problem and also think methodically, independently and draw a logical conclusion.
- PO-3. Create an awareness of the impact of Chemistry on the society, and development outside the scientific community.
- PO-4. Become professionally trained in the area of Industry, material science, lasers and Nano-Technology.
- PO-5. Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of Chemistry experiments.
- PO-6. To inculcate the scientific temperament in the students and outside the scientific community.
- PO-7. Apply modern methods of analysis to chemical systems in a laboratory setting.



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Principal PRINCIPAL Art's, Commerce & Science College Satral, Tal.Rahuri, Dist. Ahmednagar.

## COURSE OUTCOMES (COs)

### **DEPARTMENT OF MARATHI**

Sr. No.	Name of the Course	Outcomes
1.	F.Y.B.A. Sem-I मराठी साहित्य : कथा आणि भाषिक कौशल्य विकास(११०२१)	CO1.मराठी भाषा, मराठी साहित्य आणि मराठी संस्कृती यांचे अध्ययन करणे. CO2.साहित्यविषयक आकलन आणि मूल्यमापनक्षमता विकसित करणे. CO3.साहित्यभ्यातून जीवनविषयक समज विकसित करणे.
		CO4.मराठी भाषेची उपयोजनात्मक कौशल्य विकसित करणे.
2.	F.Y.B.A. Sem-II	CO1.विद्यार्थ्यांना साहित्य प्रकाराची ओळख करून देणे.
	मराठी साहित्य :एकांकिका आणि भाषिक कौशल्य विकास (१२०२१)	CO2.साहित्य प्रकारचे स्वरूप, घटक आणि प्रकार यांची ओळख करून देणे.
		CO3.मराठी एकांकिकांचे अध्ययन करणे.
		CO4.भाषिक कौशल्य विकास करणे.
3.	S.Y.B.A. Sem-III मराठी जनरल पेपर २,	CO1. कादंबरी या साहित्यप्रकारचे स्वरूप, घटक आणि वाटचाल समजून घेणे.
	भाषिक कौशल्यविकास आणि	CO2. नेमलेल्या कादंबरीचे आकलन, आस्वाद आणि विश्लेषण करणे.
	आधुनिक मराठी साहित्य प्रकार : कादंबरी (२३०२३)	CO3. भाषिक कौशल्य विकास करणे.
		CO4. आधुनिक मराठी साहित्य प्रकाराची ओळख करून घेणे.
4.	S.Y.B.A. Sem-IV	COI. ललितगद्य या साहित्य प्रकाराचे स्वरूप समजून घेणे.
	मराठी जनरल पेपर २, भाषिक कौशल्यविकास आणि आधुनिक	CO2. ललितगद्य साहित्य प्रकाराचे घटक आणि वाटचाल समजून घेणे.
	मराठी साहित्यप्रकार : ललितगद्य (२४०२३)	CO3. ललित गद्याचे आकलन, आस्वाद आणि विश्लेषण करणे.
		CO4. विद्यार्थ्यांचा भाषिक कौशल्य विकास करणे.

5.	S.Y.B.A. Sem-III	CO1. आत्मचरित्र या साहित्य प्रकारचे स्वरूप आणि वाटचाल
	मराठी पेशल पेपर s-१, DSE-1A,	समजावून घेणे.
	आधुनिक मराठी साहित्य :	CO2. अन्य साहित्य प्रकारांच्या तुलनेत आत्मचरित्राचे वेगळेपण
	प्रकाशवाटा (२३०२१)	समजावून घेणे.
		CO3. मध्ययुगीन गद्य - पद्य साहित्य प्रकारांची ओळख करून घेणे.
		CO4. नेमलेल्या अभ्यासपुस्तकाचे आकलन, आस्वाद आणि विश्लेषण करणे.
6.	S.Y.B.A. Sem-IV	Co1. मध्ययुगीन गद्य -पद्य साहित्य प्रकारांची ओळख करून घेणे.
	मराठी पेशल पेपर s-१, DSE-1B,	CO2. संत-पंत-तत साहित्याची ओळख करून देणे.
	मध्ययुगीन मराठी साहित्य : निवडक मध्ययुगीन गद्य, पद्य	CO3. साहित्याची सामाजिकता अभ्यासणे.
	(२४०२१)	CO4. अभ्यासपुस्तकातील मध्ययुगीन गद्य-पद्याचे आकलन, विश्लेषण करणे.
7.	S.Y.B.A. Sem-III	CO1. मराठी साहित्य प्रकारांच्या तात्त्विक घटकांचे ज्ञान देणे.
	मराठी पेशल पेपर s-२, DSE-2A,	CO2. साहित्या विषयीची अभिरुची निर्माण करणे.
	साहित्यविचार (२३०२२)	CO3. साहित्यकृतीला मुक्त प्रतिसाद देण्याची क्षमता विकसित करणे.
		CO4. साहित्यकृतींचे आकलनआणि मूल्यमापन करण्याची दृष्टी निर्माण करणे.
8.	S.Y.B.A. Sem-IV	CO1. साहित्याचे स्वरूप, प्रयोजन व साहित्य निर्मितीची प्रक्रिया
	मराठी पेशल पेपर s-२, DSE-2B,	समजावून घेणे.
	साहित्यसमीक्षा (२४०२२)	CO2. साहित्याची भाषा समजावून घेणे.
		CO3.साहित्याची संकल्पना, साहित्यिक अभिरुची, dmL²>मयीन मूल्ये समजावून घेणे.
		<ul> <li>co4. साहित्याचा सूक्ष्म पातळीवर अभ्यास करण्याची क्षमता</li> <li>विकसित करणे.</li> </ul>
9.	S.Y.B.A. Sem-III	

	SEC 2A, प्रकाशनव्यवहार आणि	मिळविणे.
	संपादन (२३०२५)	CO2. प्रकाशन व्यवहार आणि संपादन यासाठी आवश्यक प्रशिष् घेणे.
		CO3.प्रकाशन व्यवहार आणि संपादन यासाठी प्रात्यक्षिका उपयोजनाची कौशल्ये मिळविणे.
		CO4.प्रकाशन संस्थांना भेटी देऊन प्रकाशन विश्वाची ओव करणे.
10.	S.Y.B.A. Sem-IV	CO1.उपयोजित लेखन कौशल्ये आत्मसात करणे.
	SEC 2B, उपयोजित लेखनकौशल्य (२४०२५)	co2.जाहिरात, मुलाखत लेखन आणि संपादन यासाठी आवश कौशल्ये मिळविणे.
		CO3.जाहिरात, मुलाखतलेखन आणि संपादन यास प्रात्यक्षिकासह प्रशिक्षण घेणे.
		CO4.माहितीपर नोंदी संकलनाचे कौशल्य विकसित करणे.
11.	S.Y.B.A. Sem-III	CO1. मराठी भाषिक संज्ञापन कौशल्ये समजावून देणे.
	MIL, मराठी भाषिक संज्ञापनकौशल्य (२३०११)	CO2. प्रगत भाषिक कौशल्यांची क्षमता विकसित करणे.
		соз. प्रसार माध्यमातील संज्ञापनातील स्वरूप आणि स्थान स् करणे.
		CO4. व्यक्तिमत्त्व विकास आणि भाषा यांच्यातील सहसंबंध स करणे.
12.	S.Y.B.A. Sem-IV	CO1. नव माध्यमे आणि समाज माध्यमांचे स्वरूप आणि स्थ
	MIL, नवमाध्यमे आणि	स्पष्ट करणे.
	समाजमाध्यमांसाठी मराठी (२४०११)	CO2. भाषा, जीवन व्यवहार आणि प्रसार माध्यमांचे परस्परसं स्पष्ट करणे.
		CO3. प्रसार माध्यमांसाठी लेखन क्षमता विकसित करणे.
		CO4. समाज माध्यमांविषयी साक्षरता, दक्षता, परिणाम याब चर्चा करणे.

13.	T.Y.B.A. Sem-V	CO1.आधुनिक मराठी साहित्यातील साहित्य प्रकारांचा परिचय
	मराठी जनरल पेपर ३,भाषिक	वाढवणे.
	कौशल्यविकास आणि आधुनिक	CO2. साहित्य परंपरेचा स्थूल परिचय करून देणे.
	मराठी साहित्यप्रकार : प्रवासवर्णन	CO3.विद्यार्थ्यांमध्ये मुद्रित माध्यमांसाठी लेखन कौशल्ये विकसित
	(३५०२३)	करणे.
		CO4. प्रवास वर्णनाचे आकलन, आस्वाद आणि विश्लेषण करणे.
14.	T.Y.B.A. Sem-VI	CO1.मराठी साहित्य, भाषिक कौशल्य विकास आणि शासन
	मराठी जनरल पेपर ३,भाषिक	व्यवहार यांची माहिती घेणे.
	कौशल्यविकास आणि आधुनिक मराठी साहित्यप्रकार : कविता	CO2.कविता या साहित्य प्रकाराचे स्वरूप आणि वैशिष्ट्ये समजून घेणे.
	(३६०२४)	पज. CO3.कवितेचे विविध अविष्कार व भाषा रूपांची ओळख करून घेणे.
		CO4.भाषेचे यथोचित आकलनव वापर करण्याची क्षमता विकसित करणे.
15.	T.Y.B.A. Sem-V	CO1.मध्ययुगीन मराठी वाङ् मयाचा स्थूल परिचय करून घेणे.
	मराठी पेशल पेपर s-3, DSE-1D,	CO2. वाड्.मयेतिहास संकल्पना आणि स्वरूप समजून घेणे.
	मध्ययुगीन मराठी वाड्.मयाचा स्थूल इतिहास : प्रारंभ ते इ. स. १६०० (३५०२१)	CO3.मध्ययुगीन कालखंडाची सामाजिक, सांस्कृतिक पार्श्वभूमी समजून घेणे.
		CO4.मराठी भाषा, साहित्याचा कालखंडानुरूप इतिहास समजून घेणे.
16.	T.Y.B.A. Sem-VI	CO1.शिवकाल आणि पेशवेकाळातील वाड्.मयनिर्मितीचा
	मराठी पेशल पेपर s-3, DSE-2D,	अभ्यास करणे.
	मध्ययुगीन मराठी वाड्.मयाचा	CO2. प्राचीन मराठी भाषेचा व वाड्.मयाचा इतिहास समजून
	स्थूल इतिहास : इ. स. १६०१ ते इ.स. १८१७ (३६०२१)	घेणे.
		CO3. बखर आणि गद्य वाड्.मय निर्मिती अभ्यासणे.
		CO4.साहित्य आणि समाज यातील परस्परसंबंध समजावून घेणे.

17.	T.Y.B.A. Sem-V	CO1.भाषेचे स्वरूप व कार्य, भाषेच्या अभ्यासाचे महत्त्व जाणू
	मराठी पेशल पेपर s-4, DSE-2C,	घेणे.
	वर्णनात्मक भाषाविज्ञान : भाग १ (३५०२२)	CO2. स्वन निर्मितीची प्रक्रिया समजावून घेणे.
		CO3. वागिंद्रियांची रचना व कार्य समजावून घेणे.
		CO4. स्वन विज्ञान, स्वनिम संकल्पना आणि मराठीची स्वनि व्यवस्था जाणून घेणे.
18.	T.Y.B.A. Sem-VI	CO1. भाषाचे मानवी जीवनातील कार्य व महत्व जाणून घेणे.
	मराठी पेशल पेपर s-4, DSE-2D,	CO2. मराठी रूपिमव्यवस्था समजावून घेणे.
	वर्णनात्मक भाषाविज्ञान : भाग २ (३६०२२)	CO3.वाक्यव अर्थविन्यास या भाषा वैज्ञानिक संकल्पना समजावू घेणे.
		CO4.मराठी भाषेचा उत्पत्ती काळव भाषिक स्थित्यंतरांच
		आढावा घेणे.
19.	T.Y.B.A. Sem-V	CO1. कार्यक्रमाचे स्वरूप समजून घेणे.
	SEC 2C, कार्यक्रम संयोजनातील	CO2.कार्यक्रमाच्या प्रकारानुसार कार्यक्रम संयोजन कौशल
	भाषिक कौशल्ये भाग - १ (३५०२५)	अवगत करणे.
		CO3. कार्यक्रम संयोजनातील भाषिक कौशल्य प्राप्त करणे.
		CO4. कार्यक्रम संयोजनातील भाषेचे महत्सत्व मजावून देणे.
20.	T.Y.B.A. Sem-VI	CO1. कार्यक्रम संयोजनातील लेखन कौशल्ये संपादन करणे.
	SEC 2D, कार्यक्रम संयोजनातील	CO2. मराठी भाषेची संवाद कौशल्य विकसित करणे.
	भाषिक कौशल्य : भाग २ (३६०२५)	CO3. कार्यक्रम संयोजनातील भाषिक कौशल्ये प्राप्त करणे.
		CO4. आभासी कार्यक्रमांचे भाषिक कौशल्ये संयोजन करणे.
21.	F.Y.B.Com. Sem-I	CO1. भाषा व्यवहाराचे स्वरूप व गरज समजावून देणे.
	११७ ब, भाषा साहित्य आणि कौशल्य विकास	CO2. मराठी भाषेच्या वापराची कौशल्य विकसित करणे.
		CO3. विविध लेखनप्रकारांचा अभ्यासकरणे.
		 CO4. कर्तृत्ववान व्यक्तींच्या कार्याची व विचारांची ओळख करू

		देणे.
22.	F.Y.B.Com. Sem-II	CO1. प्रशासनिक मराठीची ओळख करून देणे.
	१२७ ब भाषा आणि कौशल्य विकास	CO2. प्रगत भाषिक कौशल्यविषयक समाज विकसित करणे.
		CO3. लेखनाची कौशल्ये वापरण्यास सक्षम करणे.
		CO4. विद्यार्थ्यांमध्ये नैतिक, व्यावसायिक व वैचारिक मूल्यांर्च
		जोपासना करणे.
23.	S.Y.B.Sc. (AECC-2A) 33/ 23331, Sem-III	col.विद्यार्थ्यांमध्ये मराठी विज्ञान साहित्या विषयी आवड निर्माण करणे.
	उपयोजित मराठी	co2. विज्ञान, उद्योगातील विविध प्रवाह, संधी यांचा परिचय करून देणे.
		CO3. भाषिक कौशल्यांचे विविध आविष्कार समजावून घेणे.
		CO4. पारिभाषिक संज्ञांची ओळख विद्यार्थ्यांना करून देणे.
24.	S.Y.B.Sc. (AECC-2B) 24331, Sem-IV मराठी साहित्य	CO1. साहित्यविषयक अभिरुची विकसित करणे.
	24331, उलाा-17 मराठा साहत्य	CO2. विज्ञान साहित्य विषयक आकलन क्षमता वाढविणे.
		CO3. वैज्ञानिक जाणिवा निर्माण करणे.
		CO4.विद्यार्थ्यांमध्ये भाषिक कौशल्य अधिकाधिक विकसित करणे.

### DEPARTMENT OF HINDI

Sr. No.	Course	Outcomes
1.	F.Y.B.A. Sem-I	CO1. छात्रों को हिंदी साहित्य के काव्य तथा कहानियों का परिचय प्राप्त होगा।
	वैकल्पिक हिंदी (11091-1- A)	CO2. हिंदी भाषा में संप्रेषण कौशल विकसित होगा।
		CO3. मौलिक लेखन की ओर रुझान बढेगाऔर राष्ट्रप्रेम, सामाजिक प्रतिबद्धता की
		भावना विकसितहोती हैं।
		CO4. हिंदी कंप्यूटिंग का सामान्य परिचय होगा।
2.	F.Y.B.A. Sem-II	coı. छात्र हिंदी काव्य तथा कहानी साहित्य से परिचित होते हैं।
	वैकल्पिक हिंदी (12092 1- B)	CO2. विज्ञापन, निबंध तथा स्ववृत्त लेखन कौशल विकसित होता है ।
	(12092 I- D)	CO3. वाक्य शुद्धीकरण के कारण छात्र वर्तनीगत अशुद्धियों से परिचित होते हैं।
		CO4. साहित्य की विभिन्न विधाएं निबंध, रेखाचित्र, यात्रावर्णन, व्यंग्य तथा
		एकांकी के माध्यम से राष्ट्रप्रेमएवं सामाजिक भावना विकसितहोती हैं।
3.	S.Y.B.A.	CO1. छात्र हिंदी के प्रतिनिधि कहानीकार और कवियों से परिचित होते है।
	हिंदी सामान्य पेपर २	CO2. छात्र हिंदी के प्रयोजनमूलक पक्ष से अवगत होते हैं।
	(23093)	CO3. भाषातंत्र का उपयोग एवं लेखन कौशल विकसित होता है ।
	(आधुनिक काव्य कहानी	CO4.साहित्य की विभिन्न विधाओं से परिचित हो जाते हैं और उनमें
	तथा व्यावहारिक हिंदी)	सर्जनात्मक कौशल का विकास होता है।
4.	S.Y.B.A.	CO1.भारतीय काव्य शास्त्र में रुचि पैदा होती है तथा आलोचनात्मक दृष्टि
	हिंदी स्पेशल पेपर-1	विकसित होती है ।
	काव्यशास्त्र सामान्य	CO2. छात्र साहित्य की विविध विधाओं से परिचित होते हैं।
	[ 23091 ] DSE-1A	CO3. छात्र अपनी अभिव्यक्ति में शब्द शक्तियों का प्रयोग करने लगते हैं।
		CO4.छात्र महाकाव्य,खंडकाव्य और मुक्तक काव्य से परिचित होता है। साथ ही
		नाट्यअभिनय कलाको आत्मसात करता है।
5.	S.Y.B.A.	COI.मध्ययुगीन प्रतिनिधि कवियों के योगदान तथा उनकी वैचारिक पृष्ठ्भूमि से
	उपन्यास, नाटक तथा	छात्र परिचित होते हैं।
	मध्ययुगीन हिंदी काव्य	CO2.छात्र हिंदी उपन्यास एवं नाटक की समीक्षा करते हैं। साथही हिंदी उपन्यास
	23092 DSE2 A	तथा नाटक के अध्ययन में रुचि निर्माण होती हैं ।
		CO3. साहित्य कृतियों के माध्यम से छात्र जीवनमूल्याको आत्मसात करना।
		CO4.विवेच्यसाहित्य कृतियों के शिल्प तथा भाव पक्ष से परिचित होते है. साथ
		ही उनमें अभिनय कौशल विकसित होता है।
6.	S.Y.B.A.	COI. छात्र अनुवाद की आवश्यकता एवं महत्त्व समझते है और उनमे अनुवाद के
	SEC 2A(CBCS-2019)	माध्यम से रोजगार मिलने की आकांक्षा एवं रुची उत्पन्न होती है।
	अनुवाद स्वरूप एवं	co2. छात्र अनुवाद के विविध क्षेत्रों से परिचित होते है।
	व्यवहार (23096)	co <b>3</b> . छात्र हिंदी-मराठी प्रत्यक्ष् अनुवाद कार्य विधि से परिचित होते हैं ।
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7.	S.Y.B.A.	col.छात्र विविध माध्यमों के लिए लेखन विधि से परिचित होता है।
	SEC 2A(CBCS-2019)	co2. छात्र लेखन कौशल तंत्र से अवगत होता है।
	माध्यम लेखन(24096)	co3.छात्र श्रव्य-दृश्य माध्यमों की भाषा से परिचित होता है।
		CO4.छात्र श्रव्य-दृश्य माध्यमों की भाषा से परिचित होता है।
8.	S.Y.B.A.	col.छात्रवर्ण विचार से सोदाहुण परिचित होते हैं।
	MIL हिंदी भाषा शिक्षण	co2. छात्र भाषा कौशल शिक्षण से अवगत होते हैं।
	-Sem-III 23012	co3.छात्र एक ही रचनाकार की सृजनात्मकता से परिचित होते हैं।
		CO4.छात्र लघुकथाओं के माध्यम से उसके व्यापक उद्देश्य को समझते हैं ।
9.	S.Y.B.A.	col.छात्रवाक्य-भेद विराम चिह्नों से परिचित होतेहैं।
	MIL हिंदी भाषा शिक्षण	co2.छात्र गोपालदास सक्सेना के गीतों की सृजनात्मकता से परिचित होते हैं।
	-Sem-IV 24012	co3.छात्र एक ही रचनाकार के गीतों के विषय वैविध्य से परिचित होते हैं।
		CO4.छात्र गीतों की लयात्मकता एवं आशय समझते हैं ।
10.	T.Y.B.A.	CO1. छात्र संस्मरण तथा रेखाचित्र विधा एवं साहित्य से परिचित होते हैं
	Core Course -1E (G-3)	CO2. छात्रों की समीक्षात्मक दृष्टि का विकास होता है।
	कथेतर विधाएँ	CO3. सभा, इतिवृत्त लेखन तथा वार्ता लेखन कौशल विकसित होता है ।
	(35093)	CO4. छात्रों को सृजनात्मक लेखन की प्रेरणा मिलती है ।
11.	T.Y.B.A. Discipline Specific Elective DSE 1 C (S3) हिंदी साहित्य का इतिहास (35091) –(S-3)	CO1.छात्र विशेष प्रश्नपत्र के रूप में हिंदी साहित्य के इतिहास के कालविभाजन नामकरण तथा अन्यान्य ऐतिहासिक पहलुओं के अध्ययन से परिचि 
		होते हैं CO2. हिंदी साहित्य के आदिकाल, भक्तिकाल तथा रीतिकाल की पृष्ठभूमि साहित्य, कवि एवं विशेषताओं से परिचित होते हैं।
		CO3. परियोजना कार्य के माध्यम से छात्र किसी विशिष्ट रचनाकार तथ
		क्षेत्रीय कार्य का अध्ययन करना सीखते हैं।
12.	T.Y.B.A.	co₄. छात्र रचनाकार एवं रचनाओं से परिचित होते हैं।
12.	Discipline Specific	coi. छात्र भाषा विज्ञान के स्वरूप एवं व्याप्ति से परिचित होते हैं coa अपूर्ण जिन्हान की विभावों के प्रतिनय को प्रायसने क्या उपने
	Elective 2 C (S4)	CO2. भाषा विज्ञान की दिशाओं के परिचय को समझते हुए उसके अनुप्रयोगात्मक पक्ष को सीखते हैं ।
	भाषा विज्ञान सामान्य	अनुप्रयागारमक यक्ष का साखरा है। CO3. साहित्य के अध्ययन में भाषा विज्ञान की उपयोगिता एवं आवश्यकता क
	परिचय(35092 )	छात्र समझते हैं।
		CO4. छात्र भाषा विज्ञान के अनुप्रयोगात्मक पक्ष की जानकारी मिलती हैं।
13.	T.Y.B.A.	CO1. छात्र पटकथा लेखन कौशल से परिचित होते हैं।
	Skill Enhancement Course 2 C	CO2. छात्र दृश्य-श्राव्य माध्यमों के लिए पटकथा लेखन की आवश्यकता क
	(SEC)(35096)पटकथा	समझते हैं।
	(SEC)(35096)पटफया लेखन	CO3. पटकथा लेखन के माध्यम से रोजगार मिल सकता है, यह विश्वास छात्र
		में निर्माण होता है ।

		CO4. व्यवसायिक कौशल का विकास होता है ।
14.	<b>T.Y.B.A.</b> Core Course -1F (G-3) गजल विधा और पत्राचार (36093)	<ul> <li>coi. छात्र गजल विधा से परिचित होते हैं और उनमें समीक्षात्मक दृष्टि क विकास होता है।</li> <li>CO2. छात्र अन्यान्य गजलकारों के व्यक्तित्व से परिचित होते हैं।</li> <li>CO3. छात्र सरकारी पत्रलेखन विधि से परिचित होते हैं और उसका उपयोग अपने जीवन में करते हैं।</li> <li>co4. छात्रों में गझल विधा के प्रति रूचि उत्त्पन्न होती है।</li> </ul>
15.	T.Y.B.A. Discipline Specific Elective 1 D (S3) हिंदी साहित्य का इतिहास (आधुनिक काल का सामान्य परिचय) (36091)	COI. छात्र आधुनिक काल की पृष्ठभूमि से परिचित होते हैं। CO2. छात्र भारतेंदुयुग, द्विवेदी युग तथा छायावादी काव्य की विशेषताओं से परिचित होते हैं । CO3.छात्र हिंदी गद्य के उद्भव एवं विकास से परिचित होते हैं । CO4.छात्र आधुनिक काल के रचनाकार एवं रचनाओं से परिचितहोते हैं ।
16.	<b>T.Y.B.A.</b> Discipline Specific Elective 2 D (S4) हिंदी भाषा और उसका विकास(36092)	coi. छात्र भाषा की विभिन्न परिभाषाओं तथा विविध रूपों से परिचित होते । CO2.छात्र नागरी लिपि के उद्भव और विकास तथा विशेषताओं से परिचि होते हैं CO3. परियोजना कार्य से छात्र भाषा के वर्तमान रूपों से परिचित होते हैं। CO4. छात्र साहित्य अध्ययन में भाषा विज्ञान की उपयोगिता समझते है।
17.	T.Y.B.A. Skill Enhancement Course SEC 2 D साहित्य और फिल्मांतरण- (36096)	<ul> <li>coi. छात्र सिनेमा के स्वरूप से बारिकी से परिचित होते हैं ।</li> <li>CO2. छात्र हिंदी साहित्य एवं सिनेमा के अंतसंबंधों से परिचित होते हैं।</li> <li>CO3. छात्र हिंदी उपन्यास तथा कहानियों पर आधारित फिल्मों से परिचि होते हैं।</li> <li>CO4. छात्र साहित्य और फिल्मांतरण की प्रक्रिया समझते है.</li> </ul>
18.	F.Y.B.Com. वैकल्पिक हिंदी प्रश्नपत्र -1 A Semester I	coı. साहित्य और वाणिज्य का परस्पर सबंध प्रतिपादित होगा। CO2. वाणिज्य और साहित्य के बीच पुल बांधा जाएगा। CO3. हिंदी भाषा द्वारा संवाद कौशल विकसित होगा। CO4. छात्र साहित्येतर पाठ्यक्रम के माध्यम से विज्ञापन, कम्पूटर तथ गणितीय चिन्हों से परिचित होते हैं।
19.	F.Y.B.Com. वैकल्पिक हिंदी प्रश्नपत्र -1 B Semester II	<ul> <li>coi. छात्र हिंदी काव्य तथा कहानी साहित्य से परिचित होते हैं ।</li> <li>CO2. हिंदी भाषा द्वारा संवाद कौशल विकसित होगा।</li> <li>CO3. छात्र पारिभाषिक शब्दों के अर्थ वैविध्य को तथा प्रयोग को समझते हैं।</li> <li>CO4. छात्र साहित्येतर पाठ्यक्रम के माध्यम से अनुवाद के स्वरुप से परिचित होकर अनुवाद के व्यवहारिक पक्ष से अवगत होते हैं।</li> </ul>

20.	S.Y.B.Sc.	CO1. छात्र साहित्य और विज्ञान के कार्यकारण भाव से परिचित होते हैं.
	हिंदी ऐच्छिक पेपर	CO2. छात्र कहानी तथा काव्य रचनाओं से परिचित होंगे और उनके भाव् एवं
	(23095AECC-2 A & B	विचार प्रज्वलित होंगे.
	हिंदी काव्य तथा कहानी	CO3. व्यवहारिक हिंदी भाषा की जानकारी प्राप्त होगी।
	साहित्य	CO4. काव्य एवं कहानी लेखन कौशल विकसित होकर साहित्यालोचन की
		दृष्टि विकसित होती है.



Damum Principal PRINCIPAL Art's, Commerce & Science College Satral, Tal.Rahuri, Dist. Ahmednagar.

## DEPARTMENT OF ENGLISH

Sr.No.	Course	Outcomes
1	F.Y. B.Com.	CO-1. Used English language efficiently.
	(CBCS-2019)Semester-I	CO-2. Improved communicative skills.
	&	CO-3. Developed verbal and non-verbal skills of
	[111/121]	communication.
	Compulsory English	CO-4. Developed moral and human values.
2	FYBA	CO-1. Used English language effectively.
	(CBCS-2019)	CO-2. Enhanced communicative skills.
	Semester-I &II	CO-3. Developed verbal and non-verbal skills of
	[11011/12011]	communication.
	Compulsory English	CO-4. Developed moral and human values.
3	FYBA	CO-1. Used values learned through literary works.
Ũ	(CBCS-2019)	CO-2.Developed linguistic & communicative
	Semester-I &II	competence.
	[11331/12331]	CO-3. Developed sounds of English.
	Optional English	CO-4. Inculcation of moral and human values
		among students.
4	SYBA	CO-1.The students learned to appreciate literature
	(CBCS-2019)	CO-2. Oral and written communication improved.
	Semester-III &IV	CO-3. Vocabulary is enhanced
	[23001/24001]	CO-4. The students learned to make proper use of
	Compulsory English	grammar.
5	SYBA	CO-1. Familiarized students with the various
	Semester-III &IV	components of language.
	[23333/24333]Skill	CO-2. Developed overall linguistic competence of
	Enhancement Course-	the students.
	SEC-1A - Advanced	CO-3. Learnt some advanced areas of language
	Study	study.
	of English Language	CO-4. Prepared students to go for detailed study
	and Literature	and understanding of language
6	SYBA	CO-1.Understood drama as a major form of
	Semester-III &IV	literature.
	[23331/24331]Discipline	CO-2. Acquainted the literary and the performing
	Specific Course-DSC:	of drama.
	Appreciating Drama	CO-3. Developed interest among the students to
		appreciate and analyze drama
		independently.

		CO-4. Familiarised with elements and the types of
		Drama.
7	SYBA	CO-1. Acquainted with the terminology in poetry
,	Semester-III &IV	criticism (i.e. the terms used in appreciation
	[23332/24332]	and critical analysis of poems)
	<b>Discipline Specific</b>	CO-2. Developed approaches to appreciating
	Course-DSC:	literary works.
	Appreciating Poetry	CO-3. Learnt masterpieces of English poetry.
		CO-4. Awared in the aesthetics of poetry and to empower them to read, appreciate and
		critically evaluate poetry independently.
	SYBA	CO-1. Developed communication skills.
8	Semester-III &IV	CO-2. Acquainted with verbal and non-verba
		communication.
	[23334/24334] SEC: A Certificate	CO-3. Expressed their ideas, views, and thoughts i
	Course in Skill	English.
	Development	CO-4. Developed vocabulary.
	ТҮВА	CO-1. Realised the beauty and communicativ
9	Semester-V & VI	power of English.
	[35001/36001]	CO-2. Became competent and effective users of
	Compulsory English	english in real life situations.
		CO-3. Developed practical writing skills required i
		work environment.
		CO-4. Developed soft skills to enhance the
		employability.
10	ТҮВА	CO-1. Awareness of career opportunities availabl
	Semester-V & VI	to them.
	[35333/36333]	CO-2. Understand the use of English in differen
	SEC: Enhancing	Careers.
	Employability Skills	CO-3. Enhance skills required for their placement. CO-4. Exercise verbal as well as nonverbe
	Aspirations: English for	communication effectively for their career.
	Careers	
11	ТҮВА	CO-1. Understood the basics of novel as a literal
	Semester-V & VI	form.
	[35331/36331]	CO-2. Acknowledged historical development an
	DSE: Appreciating	nature of novel.
	Novel	CO-3. Develop literary sensibility and sense a
		cultural diversity in students.
		CO-4. Understood different types and aspects a novel.

12	ТҮВА	CO-1.Acquainted with the basics of literary
12	Semester-V &VI	criticism
	[35332/36332]	CO-2.Aware of the nature and historical
	DSE: Introduction to	development of criticism
	Literary Criticism	CO-3. Interpreted literary works in the light of the
		critical approaches
		CO-4. Develop aptitude for critical analysis.
13	ТҮВА	CO-1. Students quipped with social skills.
10	Semester-V &VI	CO-2.Learnt stress management and positive
	[35334/36334]	thinking.
	SEC: Mastering Life Skills	CO-3. Enhanced leadership qualities.
	and Life Values	CO-4. Aware the students about universal humar
		values.



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## DEPARTMENT OF ECONOMICS

Sr.No.	Course	Outcomes
1.	F.Y.B. A.	CO-1. To familiarize the students with the recent
	SEM-I & II	developments in the Indian Economy
	Indian	CO-2. To provide the students with the background of
	economic	the Indian Economy with focus on
	enviournment	contemporary issues like economic
	-11151/11152	environment.
		CO-3. To help the students to prepare for varied
		competitive examinations
		CO-4. To enable students to understand and
		comprehend the current business scenario,
		agricultural scenario and other sectorial growth
		in the Indian context.
2.	S.Y.B. A.	CO-1. To understands fundamentals of modern financial
	SEM-III & IV	system.
	Financial	CO-2. To understand the recent trends and
	System	developments in banking system.
	(G2)	CO-3. To understand the role of the Reserve Bank of
		India in Indian financial system.
		CO-4. To provide the knowledge of various financial
		and non-financial institutions.
3.	S.Y.B. A.	CO-1. To develop an understanding about subject
	SEM-III & IV	matter of Economics.
	Micro	CO-2. To impart knowledge of micro economics.
	Economics	CO-3. To clarify micro economic concepts.
	(S-1)	CO-4. To analyze and interpret charts, graphs and
A		figures.
4.	S.Y.B. A	CO-1. To introduce students to the historical
	SEM-III & IV	background of the emergence of Macroeconomics.
	Macro	CO-2. To familiarize students with the differences
	Economics	between micro economics and macro
	(\$2)	economics.
		CO-3. To familiarize students with various concepts of
		national income.
		CO-4. To familiarize students with Keynesian
		macroeconomic theoretical framework of

		consumption and investment functions.
5.	T.Y.B.A. SEM-	CO-1. The Study of Economic Development has gained
	V/VI	importance because of stained interest of the
	G-3: Indian	developing countries in uplifting their economic
	Economic	conditions restructuring their economics to
	Development	acquire greater diversity, efficiency and equity in
		Consonance with their priorities.
		CO-2. While few success stories can be counted, man
		have grappled with chronic problems of narrow
		economic Base, inefficiency and low standard a
		living. For this and other reasons, there have
		been many Approaches to economic
		development.
		CO-3. In recent times, besides hard core economic
		prescriptions to development, concern hitherto
		relegated to background, like education, health
		sanitation and infrastructural development, have
		found place of pride in explaining the
		preference of various.
		CO-4 Students will be get acquainted with the polic
		point of view under the present waves o
		globalization and liberalization both in the North
		and in the South.
6.	T.Y.B.A. SEM-	CO-1. This course provides the students a thoroug
	V/VI	understanding and deep knowledge about the
	S-3:	basic principles that tend to govern the free flow
	International	of trade in goods and services at the globa
	Economics	level.
		CO-2. The contents of the Paper spread over variou
		modules, lay stress both on theory and Applied
		nature of the subject that have registered rapid
		changes during the last decade.
		CO-3.the students to know the impact of free trade and
		tariffs on the different sectors of the economy a
		well as at the macro level.
		CO-4. The students would also be well trained about the
		rationale of recent changes in the export impor
		policies of India.
7.	T.Y.B.A. SEM-	CO-1. Role and functions of the Government in a
	V/VI	economy has been changing with the Passas of
		CO-2. There is vast array of fiscal institutions -tax systems

Q	S-4: Public Finance	<ul> <li>CO-3. Students will be acquaint the basic concepts of vast array of fiscal institutions -tax systems, expenditure programs budgetary procedures, stabilization instruments, debt issues, levels of government, etc., which Raise a spectrum of issues arising from the operation of these institutions.</li> <li>CO-4. Students will be acquaint the basic concepts of the existence of externalities, concern for adjustment in the distribution of income and wealth, etc. require political processes for their solution in a manner which combines individual freedom and justice.</li> </ul>
8.	FYBCOM Business Economics (Micro)	<ul> <li>CO-1. To impart knowledge of business economics.</li> <li>CO-2. To clarify micro economic concepts.</li> <li>CO-3. To analyze and interpret charts and graphs.</li> <li>CO-4. To understand basic theories, concepts of micro economics and their application.</li> </ul>
9.	SYBCOM Business Economics (Macro)	<ul> <li>CO-1. To familiarize the students to the basic theories and concepts of Macro Economics and their application.</li> <li>CO-2. To study the relationship amongst broad aggregates.</li> <li>CO-3. To impart knowledge of business economics.</li> <li>CO-4. To understand macroeconomic concepts.</li> </ul>
10.	TYBCOM Indian Global Economics	<ul> <li>CO-1. To expose students to a new approach to the study of the Indian Economy.</li> <li>CO-2. To help the students in analyzing the present status of the Indian Economy.</li> <li>CO-3. To enable students to understand the process of integration of the Indian Economy with other economics of the world.</li> <li>CO-4. To acquaint students with the emerging issues in policies of India's foreign trade.</li> </ul>



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### DEPARTMENT OF POLITICAL SCIENCE

Sr.No.	Course	Course outcomes
1.	FYBA (G-I) SEM-I & II Introduction to Indian Constitution (1167)	<ul> <li>CO1. Students enable to understand the philosophy of Indian constitutions.</li> <li>CO2. Students enable to understand the basic doctrine of Indian Constitution.</li> <li>CO3. Students enable to understand the various Government of Indian acts their provision and reforms.</li> <li>CO4. Students enable to appreciate the fundamental rights and duties and the directive principle of state policy.</li> </ul>
2.	SYBA (G-2) SEM-III & IV Political Theory (2167)	<ul> <li>CO 1. Students enable to appreciate the procedure of different theoretical ideas in political theory.</li> <li>CO2. Students enable to appreciate the procedure of different theoretical ideas in political theory.</li> <li>CO3. Students enable to understand the various traditional and modern theories of political science.</li> <li>CO4. Students enable to evaluate the theories of origin of the state.</li> </ul>
3.	TYBA (G-III) SEM-V & VI Local Self Government in Maharashtra	<ul> <li>CO1. Students enable to understand the nature of Ideology.</li> <li>CO 2. Students enable to understand the contributions of various ideologies in practices in the World.</li> <li>CO3. Students enable to describe the role and impact of different Political Ideologies in Politics.</li> <li>CO4.Students enable to describe the significance of Ideologies.</li> </ul>



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### DEPARTMENT OF HISTORY

Sr. No.	Course	Course outcomes
1.	FYBA (G-I) SEM-I & II Early India: From Prehistory to the Age of the Mauryas	<ul> <li>CO-1. Understand the history of early India.</li> <li>CO-2. Know the rise, growth and spread of civilization and culture of India along with the dynastic history.</li> <li>CO-3. Understand the contribution of Early Indians to polity, art, literature, philosophy, religion and science and technology.</li> <li>CO-4. Develop the spirit of enquiry among the students by studying the major developments in Indian history.</li> </ul>
2.	SYBA (G-2) SEM-III & IV CC-1(3) History of the Marathas: (1630- 1707) CC-2(3) History of the Marathas: (1707- 1818) CC- 2(3) History of the Marathas: (1707- 1818)	<ul> <li>CO -1. Develop the ability to analyse sources for Maratha History.</li> <li>CO-2. Learn significance of regional history and political foundation of the region.</li> <li>CO-3. Enhance their perception of 17th century Maharashtra and India in context of Maratha history.</li> <li>CO-4. Appreciate the skills of leadership and the administrative system of the Marathas.</li> </ul>
3.	TYBA (G-III) SEM-V & VI CC- 3(3) Indian National Movement (1885-1947) CC- 4(3) India After Independence- (1947-1991)	<ul> <li>CO-1. Enable students to develop an overall understanding of Modern India.</li> <li>CO-2. Increase the spirit of healthy Nationalism, Democratic Values and Secularism among the Students.</li> <li>CO-3. Understand various aspects of the Indian Independence Movement and the creation of Modern India.</li> <li>CO-4. Understand various aspects of India's domestic and foreign policies that shaped Post-Independence India.</li> </ul>

## DEPARTMENT OF GEOGRAPHY

Sr. No.	Course	Outcomes
1.	F.Y.B.A. 2019 Credit Pattern Physical Geography Gg110 A	<ul> <li>CO-1. Students have become able to conceptualize the elements of physical features and basic concepts in Physical Geography</li> <li>CO-2. Students have become able to imagine and recognize the major topographical, geological, soil and natural vegetation regions of local and global level.</li> <li>CO-3. Students have applied their subject knowledge with help of GIS based open source software in the day today life.</li> </ul>
		<ul> <li>CO-4. Students have become able to examine the various issues, problems and challenges associated with the physical regions.</li> <li>CO-5. Students have developed life-long learning skill and keep them engaged in updating geography related knowledge.</li> </ul>
2.	F.Y.B.A. Human Geography Gg110 B	<ul> <li>CO-1. The Students have understood demographic composition</li> <li>CO-2. Students have imagined and recognize urbanization, population density and literacy.</li> <li>CO-3. Students have identified and describe social, cultural, economic and population dynamics of society.</li> <li>CO-4. Students have able to understand patterns</li> </ul>
3.	S.Y.B.A. 2019 Credit Pattern Environmental Geography-I	<ul> <li>and processes of population growth and its implications</li> <li>CO-1 Student will be familiar with the dynamic nature of the environment</li> <li>CO-2 Students will be get acquainted with the fundamental concepts of Environmental Geography for development in different areas</li> <li>CO-3 They will be integrating various factors of Environment and dynamic aspect of Environmental Geography</li> <li>CO-4 Student will be aware of the problems of</li> </ul>

		environment, utilization and conservation c
		resources in view of sustainable development
4.	S.Y.B.A.	CO-1 Students will be aware about the dynamic
	Environmental	environment
	Geography -II	CO-2 Students will get acquainted with the
		fundamental concepts of Environmento
		Geography
		CO-3 Students will get acquainted with the pas
		present and future utility and potentials of
		natural resources
		CO-4 Students will aware about the problems of
		environment and they will know the concep
		of sustainable development
5.	S.Y.B.A.	CO-1 Students will understand the history of
	Population	population
	Geography-I	CO-2 They will know the basic concepts in Populatio
		Geography
		CO-3 They will know the types and sources a
		population data
6.	S.Y.B.A.	CO-1 Students will know the population policy of
	Population	India and China
	Geography-II	CO-2 They will know the health indicators of India
		CO-3 Students will be get acquainted with th
		concept of urbanization in Populatio
		Geography
7		CO-4 They will understand the Population theories
7.	S.Y.B.A. Practical	CO-1 Students will know the basic concepts i
		Population Geography CO-2 Students will be enabled to use various scale
	Geography-	and projection techniques in Geography
	I(Scale and Map	CO-3 Students will use various projections for ma
	Projection)	making
		CO-4 They will be familiar with the elementary an
		essential principles of practical work i
		Geography
8.	S.Y.B.A.	CO-1 Students will know the basic and contemporar
	Practical	concepts in Cartography
		CO-2 Students will get acquainted with the utility an
	Geography-II	applications of various cartographi
	(Cartographic	techniques
		CO-3 Students will know the latest concept

	Techniques,	regarding the modern cartography in the field
	Surveying and	of Geography
	Excursion	CO-4 Students will know the elementary and essential
		principles of practical work in Geography
	/Village/ Project	
	Report)	
9.	T.Y.B.A.	CO-1 Students will understand the history of tourism
	2019 Credit	CO-2 They will know the basic concepts in tourism
	Pattern	Geography
	Geography of	CO-3 They will know the types of tourism
	Tourism I and II	CO-4 They will obtain the knowledge about different
		aspects of Tourism Geography
10.	T.Y.B.A.	CO-1 Students will be familiar with the Geography of
	Geography of	India
	India I and II	CO-2 They will be aware of the magnitude of
		problems and prospects of national level issues
		CO-3 Students will understand the interrelationship
		between the subject and the society
		CO-4 Students will understand the recent trends in
		regional India
11.	T.Y.B.A.	CO-1 Students will get familiar with the basic
	Practical Community	concepts and techniques of Geographical
	Geography	Analysis
	(Techniques of	CO-2 They will read the SOI to posheet and acquire
	Spatial Analysis) I and II	knowledge of its interpretation
		CO-3 They know the weather maps and acquire the
		knowledge of its interpretation
		CO-4 Students will be introduced with the aerial
		photographs and satellite images and
		acquires knowledge to interpret it.



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### DEPARTMENT OF COMMERCE

Sr. No.	Course	Outcomes
1.	F.Y.B.Com.	CO-1 To impart knowledge of basic accounting
	SemI & II	concepts.
	Financial	CO-2 To create awareness about application of
	Accounting	these concepts in business world.
	(Course Code- 112)	CO-3 To impart skills regarding computerised
		accounting.
		CO-4 To impart knowledge regarding finalization of
		accounts of various establishments.
2.	F.Y.B.Com.	CO-1 To make the students familiar with computer
	SemI & II	environment.
	Computer	CO-2 To make the students familiar with the basics of
	Concepts and	operating system and business communication
	Application	tools.
	(Course Code-114)	CO-3 To make the students familiar with basics of
		Network, Internet and to marked related
		concepts.
		CO-4 To make awareness among students about
		applications of Internet in Commerce.
3.	F.Y.B.Com.	CO-1 To provide knowledge of fundamentals of
	SemI & II	banking.
	Banking and	CO-2 To create awareness about various banking
	Finance	concepts.
	(Course Code-115)	CO-3 To conceptualize banking operations.
4		CO-4 To provide banking system fundament.
4.	F.Y.B.Com. SemI & II	CO-1 Created awareness about market and
		marketing. CO-2 Established link between commerce/business
	Marketing and Salesmanship	and marketing.
	(Course Code-116)	CO-3 Understood the basic concept of marketing.
	(000130 0000-110)	CO-4 To understand marketing philosophy.
5.	S.Y.B.Com.	CO-1 To understands the concept, process and
0.	SemIII & IV	importance of communication.
	Business	CO-2 To acquire and develop good communication
	Communication	skills requisite for business correspondence.
	(231)	CO-3 To develop awareness regarding new trends in
		business communication.
		CO-4 To provide knowledge of various media of
	1	

		communication and to develop business communication skills through the application and exercises.
6.	S.Y.B.Com. SemIII & IV Corporate Accounting ( 232 )	<ul> <li>CO-1 To acquaint the student with knowledge about various concepts, objectives and applicability of some important accounting standards associated with to corporate accounting.</li> <li>CO-2 To develop understanding among the students on the difference between commencemen and incorporation of a company and the accounting treatment for transactions during the two phases.</li> <li>CO-3 To update the students with knowledge for preparation of final accounts of a company as per Schedule III of the Companies Act 2013</li> <li>CO-4 To acquaint the student with knowledge about various concepts, Objectives and applicability of some important accounting standards associated with to corporate accounting.</li> </ul>
7.	S.Y.B.Com. SemIII & IV Business Management ( 234 )	<ul> <li>CO-1 To provide basic knowledge and understanding about various concepts of Business Management.</li> <li>CO-2 To help the students to develop cognizance of the importance of management principles.</li> <li>CO-3 To provide an understanding about various functions of management.</li> <li>CO-4 To provide them tools and techniques to be used in the performance of the managerial job.</li> </ul>
8.	S.Y.B.Com. SemIII & IV Element of Company Law ( 235 )	<ul> <li>CO-1To develop general awareness of Elements of Company Law among the students.</li> <li>CO-2 To understand the Companies, Act 2013 and its provisions.</li> <li>CO-3 To have a comprehensive understanding about the existing law on formation of new company in India.</li> <li>CO-4 To create awareness among the students about legal environment relating to the company law and to acquaint the students on e commerce, e-governance and e-filling</li> </ul>
		mechanism relating to companies.

	SemIII & IV	forms of business organizations To acquaint the
	Business	students about business environment and it
	Administration - I	implications thereon.
		CO-2 To make them aware about the recent trend
	(236)	in business.
		CO-3 To understand the concept of business to understand the various perspectives to business.
		CO-4 To know the various functions of busines administration.
10.	S.Y.B.Com.	CO-1 To orient the student's recent trends in
	SemIII & IV	marketing management.
	Marketing	CO-2 To create awareness about marketing of eco
	Management - I	friendly products in the society throug students.
	(236 H)	CO-3 To inculcate knowledge of various aspects of marketing management through practico approach.
		CO-4 To acquaint the students with the use of E Commerce in competitive environment.
11.	T.Y.B.Com.	CO-1 To acquaint students with the basic concepts
	SemV & VI Business	terms & provisions of Mercantile and Busines Laws.
		CO-2 To develop the awareness among the student
	Regulatory	regarding these laws affecting business, trade
	Framework	and commerce.
	(351)	CO-3 To develop aware of acts
		CO-4 To develop business ethics.
12.	T.Y.B.Com.	CO-1 To impart the knowledge of various accounting
	SemV & VI	concepts.
	Advance	CO-2 To instil the knowledge about accounting
	Accounting	procedures, methods and techniques. CO-3 To acquaint them with practical approach t
	( 352 )	accounts writing by using software package CO-4 To develop using balance sheet activity.
13	T.Y.B.Com.	CO-1 To acquaint themselves about the concep
		and principles of Auditing, Audit process
	SemV & VI	Assurance Standards, Tax Audit, and Audit of
	Auditing and	computerized Systems.
	Taxation(354)	CO-2 To get knowledge about preparation of Aud
		report.

		<ul> <li>CO-3 To understand the basic concepts and to acquire knowledge about computation of income, submission of income tax return, advance tax, and tax deducted at source,</li> <li>CO-4 Tax collection authorities under the income tax act, 1961.</li> </ul>
14	T.Y.B.Com. SemV & VI Business Administration – II ( 355 )	<ul> <li>CO-1 To acquaint the students with basic concepts &amp; functions of HRD and nature of Marketing functions of a business enterprise.</li> <li>CO-2 Concept and Importance.</li> <li>CO-3 Performance Appraisal Process.</li> <li>CO-4 To Methods and Techniques and to Merits and limitations of performance appraisal.</li> </ul>
15	T.Y.B.Com. SemV & VI Business Administration – III ( 365 A )	<ul> <li>CO-1 To acquaint the students with the basic concepts in finance and production functions of a business enterprise.</li> <li>CO-2 To Shares, Debentures, Public Deposits, ploughing back of profits.</li> <li>CO-3 To Instalment credit etc.</li> <li>CO-4 To loans from bank and financial institutions, trade creditors.</li> </ul>
16	T.Y.B.Com. SemV & VI Marketing Management - II ( 355 H )	<ul> <li>CO-1 To understand the concept and functioning of marketing planning and sales management.</li> <li>CO-2 To know marketing strategies and organization.</li> <li>CO-3 To inform various facets of marketing with regulatory aspects.</li> <li>CO-4 To understand marketing in globalize scenario.</li> </ul>
17	T.Y.B.Com. SemV & VI Marketing Management - III ( 366 H )	<ul> <li>CO-1 To know detailing of marketing research.</li> <li>CO-2 To understand the role brand and distribution management in marketing.</li> <li>CO-3 To inform about marketing and economic development.</li> <li>CO-4 To know of the importance of control on marketing activities.</li> </ul>
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Satral, Tal.Rahuri, Dist. Ahmednagar.

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### DEPARTMENT OF BOTANY

Sr. No.	Course	Outcomes
1.	F.Y.B.Sc. SemI	CO-1 Know the terminologies in Plant kingdom.
	Course-	CO-2 Gain the knowledge of outline of plant kingdom.
	Plant life and Utilization - I	CO-3 Know about the structure and life history of Algae, Fungi, Lichens and Bryophytes.
	Course code- BO-111	CO-4 Understand the application of Algae, Fungi, Lichens and Bryophytes.
2.	F.Y.B.Sc. SemI Course-	CO-1 Understand the concepts and importance of plant morphology.
	Plant morphology and Anatomy	CO-2 Know the reproductive parts of the flower. CO-3 Students will have acquired necessary skills to teach Botany in colleges.
	Course code- BO-112	CO-4 Gain the knowledge of terminologies in plant anatomy.
3.	F.Y.B.Sc. SemI Course-	CO-1 Gain the practical knowledge of reproductive structures of plants.
	Practical based on BO-111 and BO-112	CO-2 Understand the life cycle pattern in Spirogyra, Agaricus and Riccia.
	Course code-	CO-3 Gain the knowledge about the types of fruit in plants.
	BO-113	CO-4 Understand the internal morphology of dicot and monocot plants.
4.	F.Y.B.Sc. SemII	CO-1 Gain the knowledge the of plant diversity
	Course-	CO-2 Describe the life cycle and economic importance of Pteridophytes.
	Plant Life Utilization- II	CO-3 Understand the life cycle and economic

	Course code-	importance of Gymnosperms.
	BO-121	CO-4 Know about the classification system in Angiosperms.
5.	F.Y.B.Sc. SemII Course- Principles of Plant Science Course code-	<ul> <li>CO-1 Know the importance and scope of Plan Physiology.</li> <li>CO-2 Understand the various processes in plan physiology.</li> <li>CO-3 Explain the concepts of cell biology and ce cycle.</li> </ul>
	BO-122	CO-4 Understand the biochemical nature of DNA.
6.	F.Y.B.Sc. SemII Course-	CO-1 Understand the life cycle of Nephrolepis and Cycas.
	Practical based on BO-121 & BO-122	CO-2 Know the comparative account of dicot and monocot plants.
	Course code- BO-123	CO-3 Gain the practical knowledge of mitosis and meiosis.
		CO-4 Gain the practical knowledge of estimation of chlorophyll pigment, plasmolysis and DPD.
7.	S.Y.B.Sc. SemIII	CO-1 Understand the Taxonomy of Angiosperm.
	Course-	CO-2 Classify the Angiosperm plants.
	Taxonomy of Angiosperms &	CO-3 Gain the knowledge about Plant families and plant nomenclature.
	Plant Ecology Course code-	CO-4 Describe the plant ecology.
	BO-231	
8.	S.Y.B.Sc. SemIII Course-	CO-1Gain the Knowledge of Plant Physiology scope and Importance
	Plant Physiology	CO-2Understand the concept of Transpiration Ascer of sap.
	Course code-	

	BO-232	CO-3Describe the Nitrogen metabolism
		CO-4Get aware about physiology of flowering an seed germination.
9.	S.Y.B.Sc. SemIII Course-	CO-1 Gain the practical knowledge of Taxonomi tools ecological instrument plant families.
	Practical based on BO-231 & BO-232	CO-2 Understand the internal morphology of hydrophytes and xerophytes.
	Course code-	CO-3 Analysed the different test, processes of plan physiology.
	BO-233	CO-4 Gain the practical knowledge about see germination, Transpiration DPD.
10.	S.Y.B.Sc. SemIV Course-	CO-1 Understand the scope and importance of plar Anatomy.
	Plant Anatomy & Embryology	CO-2 Classify the different types of tissue systems. CO-3 Gain the knowledge about growth of plants.
	Course code-	CO-4 Describe the different processes in embryology.
	BO-241	
11.	S.Y.B.Sc. SemIV Course-	CO-1 Understand the scope and importance of plar biotechnology.
	Plant Biotechnology	CO-2 Gain the knowledge about Plant tissue cultur and single cell protein.
	Course code-	CO-3 Understand the plant genetic Engineering Genomics, Proteomics and Bioinformatics.
	BO-242	CO-4 Describe the Bioremediation and Bio fue technology.
12.	S.Y.B.Sc. SemIV Course-	CO-1 Gain the practical knowledge of plan anatomy.
	Practical based on	CO-2 Understand the practical technique of double stained temporary preparation of plant stem.

	BO-241 & BO-242	CO-3 Understand the working principle of tissu
	Course code-	culture lab instrument.
	BO-243	CO-4 Gain basic practical knowledge of plant tissu culture, Transgenic plants, Spirulina cultivation.
13.	T.Y.B.Sc. SemV	CO-1 To study algae & fungi and their taxonomy.
	Course-	CO-2 Classify the algae & fungi.
	ALGAE & FUNGI	CO-3 Understand the economic importance of algo & fungi.
	Course code-	
	BO-351	CO-4 Describe the plant characters.
14.	T.Y.B.Sc. SemV	CO-1 To study bryophytes & pteridophytes and the taxonomy.
	Course-	
	Archegoniate	CO-2 Classify the bryophytes & pteridophytes.
	Course code-	CO-3 Gain the knowledge of diversity and distribution of pteridophytes.
	BO-352	CO-4 Understand the evolution of bryophytes pteridophytes.
15.	T.Y.B.Sc. SemV Course-	CO-1 To understand economic importance an diagnostic character of plant family
	Spermatophyta and Paleobotany	CO-2 Gain the knowledge of pattern of origin angiosperms over the time period.
	Course code-	CO-3 Students will come to know about the different members of higher plant group.
	BO-353	CO-4 Get an idea of about the process of fos formation.
16.	T.Y.B.Sc. SemV	CO-1 Recognize the importance of population
	Course-	ecology as a discipline.
	Plant Ecology	CO-2 Study of population in relation to the environment.
	Course code-	CO-3 Gain the knowledge of plant ecology

	BO-354	CO-4 To learn basic principles, understands the process of ecological data.
17.	T.Y.B.Sc. SemV	CO-1 Students will learn about basics of cell.
	Course- Cell & Molecular Biology	CO-2 Gain the knowledge about cell organizatio and chemical composition of the biologico membrane.
	Course code-	CO-3 It will provide an insight about cell cycle and ce division process.
	BO-355	CO-4 Students understand the molecular mechanism of DNA replication.
18.	T.Y.B.Sc. SemV	CO-1 Understand the concept of genetics.
	Course- Genetics	CO-2 Gain knowledge about interaction of gen through mendelian process.
	BO-356	CO-3 Understand mutation and variation with differer genetic disorders.
		CO-4 To determine sex linked inheritance Cytoplasmic & Quantativeinhertance.
19.	T.Y.B.Sc. SemV Course-	CO-1 Gain the knowledge about morphological and anatomical characters.
	Practical Based on	CO-2 Preparation of algal, fungal & bryophytes slides.
	BO-351 & BO-352	CO-3 Study of plant group with respective systemati position.
	Course code-	CO-4 Students learns practically about anatomica
	BO-357	and reproductive characters.
20.	T.Y.B.Sc. SemV	CO-1 Students learn preparation of botanical keys.
	Course-	CO-2 Study of families with reference to systemati position, external and internal morphology.
	Practical Based on BO-353 & BO-354	CO-3 Acquisition of ecological data.

	Course code-	CO-4 Study of suitable ecosystem by various methods.
	BO-358	
21.	T.Y.B.Sc. SemV	CO-1 Study of various stages of mitosis and meiosis.
	Course-	CO-2 Students learn about extraction and estimation about RNA and DNA.
	Practical Based on BO-355 & BO-356	CO-3 Students solve problems on gene mapping multiple alleles and quantative inheritance.
	Course code- BO-359	CO-4 Analysis and interpretation of monohybrid and dihybrid cross.
22.	T.Y.B.Sc. SemV Course- Medicinal Botany	CO-1 Students understand the importance of medicinal plants. CO-2 Students practice various methods of plan
	Course code-	propagation. CO-3 Learn to conserve endangered and endemic medicinal plant.
	BO-3510	CO-4 Study different methods of ethnobotany.
23.	T.Y.B.Sc. SemV Course-	CO-1 Describe the different terminology of plan diversity
	Plant Diversity & Human Health	CO-2 Discuss the types and value of plant diversity. CO-3 Explain ethical, aesthetic values of biodiversity.
	Course code- BO-3511	CO-4 Examine and classify management of plan diversity, summarized the role of human welfare



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#### DEPARTMENT OF ZOOLOGY

Sr. No.	Course	Outcomes
1.	F.Y.B.Sc.SEM-I & II	CO-1 To understand the Animal diversity around us.
	ZO-111,121: Animal diversity I	CO-2 To understand the underlying principles of classification of animals.
	and II [2019 [Pattern]	CO-3 To understand the terminology needed in classification.
		CO-4 To understand the differences and similarities in the various aspects of classification.
2.	F.Y.B.Sc. SEM-I	CO-1 The learners will be able to identify and
	ZO- 112:	critically evaluate their own beliefs actions in relation to professional and societal standards
	Animal Ecology:	of ethics and it impact on ecosystem and biosphere.
		CO-2 To understand anticipate, analyze and evaluate natural resource issues and act on a lifestyle that conserves nature.
		CO-3 The Learner understands and appreciates the diversity of ecosystems and applies beyond the syllabi to understand the local lifestyle and problems of the community.
		CO-4 The working in nature to save environment will help development of leadership skills to promote betterment of environment.
3.	F.Y.B.Sc. SEM-II	CO-1 Student will come to know the scope of cell
	ZO – 122:	biology.
	Cell Biology	CO-2 Identifications of the different structures of Prokaryotic, Eukaryotic.
		CO-3 Knowledge of the structure of unit membranes and its different models.
		CO-4 Understanding the different cell organelles.

4.	F.Y.B.Sc. SEM-I	CO-1 Recognize the live forms of vertebrates and invertebrates.
	Practical Zoology -I	CO-2 Analyze and describe zoological concepts including morphology and anatomy.
		CO-3 Explain conservation and sustainable use o animals;
		CO-4 Explain and demonstrate the impact tha animals have on human society.
5.	S.Y.B.Sc. ZO -231, 241:	CO-1 The students will be able to understand, classify and identify the diversity of higher vertebrates.
	Animal Diversity III& IV	CO-2 The students will able to understand the complexity of higher vertebrates
		CO-3 The students will be able to understand differen life functions of high ervertebrates.
		CO-4 The students will be able to understand the linkage among different groups of highe vertebrates.
6.	S.Y.B.Sc. ZO:232,242: Applied Zoology I&	CO-1 The learner understands the basics abou beekeeping tools, equipment, and managing beehives.
	 	CO-2 The learner understands the basic information about fishery, cultural and harvesting method of fishes and fish preservation techniques.
		CO-3 The learner understands the biology, varieties c silkworms and the basic techniques of sil production.
		CO-4 The learner understands the types of agriculturc pests, Major insect pests of agriculturc importance and Pest control practices.
7.	S.Y.B.Sc. Sem-II & IV	CO-1 First-hand knowledge about identification o
	ZO 223: Practical course	non-chordate and chordate specimens (fresh and preserved) along with larval forms and study of endoskeleton of vertebrates.

CO-2 Understand the nature and basic concepts of
cell biology, genetics, taxonomy, physiology,
ecology and applied Zoology.
CO-3 Analyze the relationships among animals,
plants and microbes.



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### DEPARTMENT OF PHYSICS

Sr. No.	Course	Outcomes
1.	F.Y.B.Sc. Sem-I PHY-111 Mechanics and Properties of Matter	<ul> <li>CO-1 Demonstrate an understanding of Newton's laws and applying them in calculations of the motion of simple systems.</li> <li>CO-2Use the free body diagrams to analyse the forces on the object.</li> <li>CO-3 Understand the concepts of energy, work, power, the concepts of conservation of energy and be able to perform calculations using them.</li> <li>CO-4 Understand the concepts of elasticity and be able to perform calculations using them.</li> </ul>
2.	F.Y.B.Sc. Sem-I PHY-112 Physics Principles and Applications	<ul> <li>CO-1 To understand the general structure of atom, spectrum of hydrogen atom.</li> <li>CO-2 To understand the atomic excitation and LASER principles.</li> <li>CO-3 To understand the bonding mechanism and its different types.</li> <li>CO-4To demonstrate an understanding of electromagnetic waves and its spectrum.</li> </ul>
3.	F.Y.B.Sc. Sem-I PHY-113 Physics Laboratory 1A	<ul> <li>CO-1 Acquire technical and manipulative skills in using laboratory equipment, tools, and materials.</li> <li>CO-2 Demonstrate an ability to collect data through observation and/or experimentation and interpreting data.</li> <li>CO-3 Demonstrate an understanding of laboratory procedures including safety, and scientific methods.</li> <li>CO-4 Demonstrate a deeper understanding of abstract concepts and theories gained by experiencing and visualizing them as authentic phenomena.</li> </ul>

4.	F.Y.B.Sc. Sem-II PHY-121 Heat and Thermodynamics	CO-1 Describe the properties of and relationships between the thermodynamic properties of a pure substance.
		CO-2 Describe the ideal gas equation and its limitations.
		CO-3 Describe the real gas equation.
		CO-4Apply the laws of thermodynamics to formulate the relations necessary to analyze a thermodynamic process.
5.	F.Y.B.Sc. Sem-II PHY-122 Electricity and Magnetism	CO-1 To understand the concept of the electric force, electric field and electric potential for stationary charges.
		CO-2 Able to calculate electrostatic field and potential of charge distributions using Coulomb's law and Gauss's law.
		CO-3 To understand the dielectric phenomenon and effect of electric field on dielectric.
		CO-4 To Study magnetic field for steady currents using Biot-Savart and Ampere's Circuital laws.
6.	F.Y.B.Sc. Sem-II PHY-123 Physics Laboratory 1B	CO-1 Acquire technical and manipulative skills in using laboratory equipment, tools, and materials.
		CO-2 Demonstrate an ability to collect data through observation and/or experimentation and interpreting data.
		CO-3 Demonstrate an understanding of laboratory procedures including safety, and scientific methods.
		CO-4 Demonstrate a deeper understanding of abstract concepts and theories gained by experiencing and visualizing them as authentic phenomena.
7.	S.Y.B. Sc.	CO-1 Understand the complex algebra useful in

	SEM-III & IV	physics co
	PHY-231: Mathematical Methods in Physics- I	CO-2 Understand the concept of partic differentiation. CO-3 Understand the role of partial differentia
		equations in phy. CO-4Understand vector algebra useful i mathematics and phy.
8.	S.Y.B. Sc. SEM-III & IV	CO-1 Apply different theorems and laws to electrico circuits.
	PHY-232:	CO-2 Understand the relations in electricity.
	Electronics (Optional I)	CO-3 Understand the parameters, characteristics and working of transistors.
		CO-4 Understand the functions of operationo amplifiers.
9.	S.Y.B. Sc.	CO-1 Understand the concept of measurement.
	SEM-III & IV	CO-2 Understand the performance of measuring instruments.
	PHY-232: Instrumentation (Optional II)	CO-3 Design experiments using sensors.
10.	S.Y.B. Sc.	CO-1 Use various instruments and equipment.
	SEM-III & IV PHY-233: Practical Course (Laboratory 2A)	CO-2 Design experiments to test a hypothesis and/o determine the value of an unknown quantity Investigate the theoretical background of a experiment.
		CO-3 Setup experimental equipment to implement a experimental approach.
		CO-4 Analyze the data, plot appropriate graphs and reach conclusions from data analysis.

11.	S.Y.B. Sc. SEM-III & IV PHY-241: Oscillations, Waves, and Sound	<ul> <li>CO-1 To study underlying principles of oscillations and it's scope in development.</li> <li>CO-2 To understand and solve the equations / graphical representations of motion for simple harmonic, damped, forced oscillators and waves.</li> <li>CO-3 To explain oscillations in terms of energy exchange with various practical applications.</li> <li>CO-4 To solve numerical problems related to</li> </ul>
		undamped, damped, forced oscillations and superposition of oscillations.
12.	S.Y.B. Sc.	CO-1 Acquire the basic concept of wave optics.
	SEM-III & IV PHY-242: Optics	<ul><li>CO-2 Describe how light can constructively and destructively interfere.</li><li>CO-3 Explain why a light beam spread out after</li></ul>
		CO-4 Summarize the polarization characteristics of electromagnetic wave.
13.	S.Y.B. Sc.	CO-1 Use various instruments and equipment.
	SEM-III & IV PHY-243: Practical Course (Laboratory 2B)	CO-2 Design experiments to test a hypothesis and/or determine the value of an unknown quantity. Investigate the theoretical background of an experiment.
		CO-3 Setup experimental equipment to implement an experimental approach.
		CO-4 Analyze the data, plot appropriate graphs and reach conclusions from data analysis.
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## DEPARTMENT OF MATHEMATICS

Sr. No.	Course	Outcomes
1.	F.Y.B. Sc. MT 111: Algebra	CO-1 Understand sets, relations, equivalence relations, and functions, including terminology and types.
		CO-2 Apply mathematical induction and the division algorithm to integers, calculating greatest common divisors and least common multiples using Euclid's methods.
		CO-3 Analyze prime numbers, congruence theory, and apply properties such as Fermat's theorem.
		CO-4 Master complex numbers, including algebraic properties, modulus, conjugates, exponential form, and De-Moivre's theorem.
2.	F.Y.B. Sc.	CO-1 Understand and apply properties of real numbers, sequences, and limits.
	MT 112: Calculus - I	CO-2 Analyze functions, including their graphs, limits, and continuity.
		CO-3 Apply calculus tools to solve problems involving sequences, limits, and continuity.
		CO-4 Utilize the intermediate value theorem and other theorems in calculus.
3.	F.Y.B. Sc. MT 113: Mathematics	CO-1 Solve practical problems related to sets, functions, sequences, and limits from MT-111 through written exercises.
	Practical	CO-2 Utilize Maxima software effectively for solving mathematical problems from MT-111.
		CO-3 Apply theoretical concepts of calculus, including functions, limits, and continuity, through written exercises from MT-112.
		CO-4 Gain proficiency in using Maxima software for

		solving calculus problems from MT-112.
4.	F.Y.B. Sc. MT 121: Analytical Geometry	CO-1 Understand transformations like translation an rotation in the coordinate plane and appl them to conic sections.
		CO-2 Solve problems related to planes, includin equations, distance measurements, an relationships between planes.
		CO-3 Master equations and properties of lines in three dimensional space, including angles wit planes and distances from points to planes.
		CO-4 Analyze spheres using various forms of equations, including circles, intersections with lines, and tangent planes.
5.	F.Y.B. Sc.	CO-1 Understand derivatives, including the chain rul
	MT 122: Calculus-II	and applications like Caratheodary's theorem.
		CO-2 Apply mean value theorems and derivative tes to analyze functions.
		CO-3 Solve indeterminate forms using L'Hospital's rul and apply Taylor's theorem.
		CO-4 Master successive differentiation technique and their applications.
6.	F.Y.B. Sc. MT 123: Mathematics	CO-1 Solve practical problems related to analytical geometry from MT-121 through writted exercises.
	Practical	CO-2 Utilize Maxima software effectively for solvin analytical geometry problems from MT-121.
		CO-3 Apply calculus concepts, includin differentiation and differential equation through written exercises from MT-122.
		CO-4 Gain proficiency in using Maxima software for solving calculus problems from MT-122.
7.	S.Y.B. Sc.	CO-1 Apply concepts of limits and continuity t
	MT-231: Calculus of	

	Several Variables	functions of several variables.
		CO-2 Compute partial derivatives and highe derivatives, and use Clairaut's Theorem.
		CO-3 Analyze differentiable functions and apply the chain rule, Euler's theorem, and solve partic differential equations.
		CO-4 Determine extreme values of functions of two variables using necessary conditions and Lagrange multipliers.
8.	S.Y.B. Sc. MT-232(A): Numerical Methods	CO-1 Solve algebraic and transcendental equation using methods like bisection, false position, and Newton-Raphson.
	and Its Applications	CO-2 Apply finite difference operators and Newton' and Lagrange's interpolation formulae for interpolation.
		CO-3 Perform numerical differentiation and integration using the trapezoidal rule and Simpson's rules.
		CO-4 Solve first-order ordinary differential equation using Euler's method, modified Euler's method and Runge-Kutta methods.
9.	S.Y.B. Sc. MT 233: Mathematics	CO-1 Solve problems related to limits, continuity partial derivatives, and multiple integrals from MT-231 through written practicals.
	Practical	CO-2 Apply numerical methods to solve algebraic equations, perform interpolation, and conduct numerical differentiation and integration from MT-232 in written practicals.
		CO-3 Maxima software to solve advanced problem from MT-231, enhancing computational skil and understanding of calculus concepts.
		CO-4 Utilize Maxima software for solving comple numerical methods problems from MT-232 improving proficiency in numerical analys

		tools.
10.	S.Y.B. Sc. MT-241:Linear Algebra	CO-1 Solve systems of linear equations using Gaus elimination and Gauss-Jordan elimination methods, understanding their applications and solving examples.
		CO-2 Analyze vector spaces, subspaces, and determine linear dependence and independence.
		CO-3 Compute dimensions of vector spaces and understand the concepts of row, column, and null space of matrices.
		CO-4 Apply the rank-nullity theorem to relate the ran and nullity of matrices and linea transformations.
11.	S.Y.B. Sc. MT 242(A): Vector Calculus	CO-1 Understand and apply derivatives and integral of vector-valued functions, including motion differentiation rules, and curvature concepts.
		CO-2 Compute line integrals of scalar and vector fields, understanding path independence and conservative fields.
		CO-3 Calculate surface integrals, including parameterizations and orientation of surfaces and apply these to vector fields.
		CO-4 Utilize integral theorems such as Green' Theorem, Stokes' Theorem, and the Divergence Theorem in various applications.
12.	S.Y.B. Sc. MT 243: Mathematics	CO-1 Solve practical problems related to matrices systems of linear equations, and vector-value functions from MT-241 through written exercises
	Practical	CO-2 Apply numerical methods and computational techniques using Maxima software to solv problems from MT-241.
		CO-3 Solve practical problems related to integrals, lin integrals, surface integrals, and integral

theorems from MT-242 through written exercises.
CO-4 Utilize Maxima software to solve advanced problems in vector calculus from MT-242, enhancing computational skills and understanding of theoretical concepts.



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### DEPARTMENT OF CHEMISTRY

Sr. No.	Course	Outcomes
1.	F.Y.B. Sc. Sem-I CH-101	CO-1 Students will be able to apply thermodynamic principles to physical and chemical process.
	Physical Chemistry	CO-2 Understand the relation between Free energy and equilibrium and factors affecting on equilibrium constant and exergonic and endergonic reaction.
		CO-3 Understand the Concept to ionization process occurred in acids, bases and pH scale and related concepts such as Common in effect, hydrolysis constant, ionic product and solubility product.
		CO-4 Degree of hydrolysis and pH for different salts , buffer solutions.
2.	F.Y.B. Sc. Sem-I CH-102	CO-1The students are expected to understand the fundamentals, principles and recent developments in the subject area.
	Organic Chemistry	CO-2 To develop awareness of organic chemistry in day to day life.
		CO-3 To understand basic fundamental aspects of pharmaceutical and medicinal chemistry.
		CO-4 To familiarize with current and recent developments in Chemistry.
3.	F.Y.B. Sc. Sem-II CH-201 Inorganic Chemistry	<ul> <li>CO-1 Understand the various theories and principles applied to revel atomic structure Origin of quantum mechanics and its need to understand structure of hydrogen atom.</li> <li>CO-2 Understand the rules for filling electrons in various orbitals- Aufbau's principle, Pauli exclusion principle, Hund's rule of maximum multiplicity.</li> </ul>

		<ul> <li>CO-3 To understand and describe Block, group modern periodic law and periodicity.</li> <li>CO-4 Write name, symbol, electronic configuration trends and properties.</li> </ul>
4.	F.Y.B. Sc. Sem-II CH-202 Analytical Chemistry	<ul> <li>CO-1 Calculations of mole, molar concentrations and various units of concentrations which will be helpful for preparation of solution</li> <li>CO-2 Units such as parts per million, parts per billion parts per thousand, solution-dilatant volume ratio, function density and specific gravity content.</li> </ul>
		solutions CO-3 Basics of type determination, characteristic test and classifications, reactions of differen functional groups.
		CO-4 Basics of chromatography and types c chromatography
5.	F.Y.B. Sc. Sem-I CH-103: Chemistry	CO-1 Importance of chemical safety and Lab safet while performing experiments in laboratory
	Practical	CO-2 Determination of thermo chemical parameter and related concepts and techniques of pl measurements
		CO-3 Preparation of buffer solutions, elemente analysis of organic compounds (no instrumental)
		CO-4 Chromatographic Techniques for separation c constituents of mixtures.
6.	F.Y.B. Sc. Sem-II	CO-1 Inorganic Estimations using volumetric analysis.
	CH-203 : Chemistry Practical	CO-2 Synthesis of Inorganic compounds. CO-3 Analysis of commercial products.
		CO-4 Purification of organic compounds.
7.	S.Y.B. Sc. Sem-III	CO-1 Explain / discuss / derive integrated rate laws characteristics, expression for half-life and

	CH-301 Physical and	examples of zero order, first order and second order reactions.
	Analytical Chemistry	CO-2 Derivations of collision theory and transition state theory of bimolecular reaction and comparison.
		CO-3 Explain adsorption, classification of given processes into physical and chemica adsorption.
		CO-4 Apply adsorption process to real life problem.
8.	S.Y.B. Sc. Sem-III CH-302	CO-1 Students understood the terms related to molecular orbital theory
	Inorganic & Organic Chemistry	CO-2 Students are able to Apply LCAO principle for the formation of MO's from AO's.
		CO-3The student will be ready to understand the mechanisms and reactions of aromatic hydrocarbons, as well as the synthesis of alkyl and aryl Halides.
		CO-4 Students were able to understand and applying terminology used in organic and inorganic chemistry.
9.	S.Y.B. Sc. Sem-IV CH-401 Physical and	CO-1 Understand the terms in phase equilibria such as-system, phase in system, components in system, degree of freedom, one two component system, phase rule, etc
	Analytical Chemistry	CO-2 Apply solvent extraction to separate the components of from mixture interest
		CO-3 Apply conductometric methods of analysis to real problem in analytical laboratory.
		CO-4 Apply colorimetric methods of analysis to real problem in analytical laboratory.
10.	S.Y.B. Sc. Sem-IV CH-402	CO-1Students understood Isomerism in coordination complexes and able draw the structures.
		CO-2 Students will be able to apply principles of VBT

	Inorganic & Organic	for explaining bonding in Coordination
	Chemistry	Compound. Also able to Identifying, explaining inner and outer orbital complexes. CO-3 Students will able to understood CFT and Application of crystal field theory.
		CO-4 Students will be able to understood, Identify and draw the structures of organic compound their derivatives
11.	S.Y.B. Sc. Sem-III	CO-1Verify theoretical principles experimentally
	CH-303 Practical	CO-2Interpret the experimental data on the basis of theoretical principles
	Chemistry-III	CO-3 Correlate the theory to the experimental Understand / verify theoretical principles be experiment or explain practical output with the help of theory and perform organic and inorganic synthesis and able to follow the progress of the chemical reaction.
		CO-4 Set up the apparatus properly for the designed experiments.
12.	S.Y.B. Sc. Sem-IV	CO-1 Verify theoretical principles experimentally
	CH-403 Practical	CO-2Interpret the experimental data on the basis of theoretical principles
	Chemistry-IV	CO-3 Correlate the theory to the experiments Understand / verify theoretical principles b experiment or explain practical output with the help of theory and perform organic and inorganic synthesis and able to follow the progress of the chemical reaction.
		CO-4. Set up the apparatus properly for the designed experiments.
13.	T.Y.B. Sc. Sem-V	CO-1 Know historical of development of quantur
	CH-501	mechanics in chemistry. CO-2Understand and explain the difference
	1	between classical and quantum mechanics.

	1	properties. CO-4 Understanding of De Broglie hypothesis and the uncertainty principle.
14.	T.Y.B. Sc. Sem-V CH-502 Analytical Chemistry-I	<ul> <li>CO-1 Students were Understood basic terms in gravimetry and use the terms.</li> <li>CO-2 Understood parameters in used instrumentor analysis and appling them in qualitative analysis.</li> <li>CO-3 Student acquires the ability to solve problem based on theoretical knowledge.</li> <li>CO-4 Students shall be ready to prepare analytical procedures for given samples.</li> </ul>
15.	T.Y.B. Sc. Sem-V CH-503 Physical Chemistry Practical-I	<ul> <li>CO-1 Determine the molecular refractivity of the given liquids A, B, C and D.</li> <li>CO-2 Determine the refractive index of a series of sa solutions and determine the concentration of a salt of unknown solution.</li> <li>CO-3To titrate Cu2+ ions with EDTA photo metrically.</li> <li>CO-4To estimate of Fe3+ ions by thiocyanate method</li> </ul>
16.	T.Y.B. Sc. Sem-V CH-504 Inorganic Chemistry-I	<ul> <li>CO-1 To understand about inert and labile complexes stability of complexes in aqueous solutions and their mechanism in various types of reactions.</li> <li>CO-2 Student should be able to explain Nephelauxetic effect towards covaler bonding and electronic configuration of lanthanides and actinides.</li> <li>CO-3Student should be able to understand the meaning of metal &amp; semiconductor.</li> <li>CO-4The difference between metal, semiconductor and insulator meaning of super conductors and their structure.</li> </ul>
17.	T.Y.B. Sc. Sem-V CH-505 Industrial Chemistry	<ul> <li>CO-1 Students will be able to learn the Importance of chemical industry, meaning of the term involved, comparison between batch and continuous process, knowledge of variou industrial aspects.</li> <li>CO-2 Students will learn Concept of basic chemicals their uses and manufacturing process, knowing the physico-chemical principals involved in manufacturing process.</li> </ul>

		<ul> <li>CO-3 Concept of basic chemicals, their uses and manufacturing process, knowing the physico-chemical principals involved in manufacturing process.</li> <li>CO-4 Students will be able to know different types of soap products, chemistry of soap, raw materials required for soap manufacture, meaning of the term's surfactants, types of surfactants, raw materials for detergents, detergent builders, additives, washing action of soap and detergents.</li> </ul>
18.	T.Y.B. Sc. Sem-V CH-506 Inorganic	<ul> <li>CO-1 Student should know gravimetric estimation and able to perform estimation of Fe as Fe2O3.</li> <li>CO-2 Student should able to analysis of sodium bicarbonate from mixture by therma decomposition method.</li> </ul>
	Chemistry Practical -I	decomposition method. CO-3 Able to know determination of water or crystallization by thermal decomposition. CO-4 Able to analysis of Food/Pharmaceutical sample for ash and sulphated ash example-Aspirin.
19.	T.Y.B. Sc. Sem-V CH-507 Organic Chemistry- I	<ul> <li>CO-1 Students will be able to understand and write the structure the polynuclear and heteronuclear aromatic hydrocarbons.</li> <li>CO-2Students will be able to understand the reactions and mechanisms.</li> <li>CO-3. To understand the meaning of active methylene group and its synthesis.</li> <li>CO-4. Students will be able to write the mechanism of some named rearrangement reactions and their applications.</li> </ul>
20.	T.Y.B. Sc. Sem-V CH-508 Chemistry of Biomolecules	<ul> <li>CO-1 The student will understand cell types difference between a bacterial cell, plant cell and animal cell.</li> <li>CO-2The student will understand the types or carbohydrates and their biochemical significance in living organism, structure or carbohydrates and reaction of carbohydrates.</li> <li>CO-3 The student will understand the types aminor acid, types of proteins, structural features in proteins.</li> <li>CO-4 The student able to know the type of lipid with</li> </ul>

		example, structure of lipids and properties of lipids.
21.	T.Y.B. Sc. Sem-V	CO-1 Students will be able to perform the
	CH-509	quantitative chemical analysis of binar mixture, explain principles behind it.
	Organic	CO-2Students will be able to Separate, purify and
	Chemistry Practical-I	analyze binary water insoluble mixture. CO-3 Students will be able to understand the techniques involving drying and recrystallization by various method. CO-4 Students will be able to learn the confirmator test for various functional groups.
22.	T.Y.B. Sc. Sem-V	CO-1 The students are expected to learn history o
	CH-510	polymers. CO-2Difference between simple compounds and
	Polymer Chemistry	polymer. CO-3 Difference between natural, synthetic, organic and inorganic polymers. CO-4 Terms-Monomer, Polymer, Polymerization Degree of polymerization, Functionality Number average, Weight average molecula weight.
23.	T.Y.B. Sc. Sem-V CH-511	CO-1 Students should know Importance and conservation of environment.
	Environmental Chemistry	CO-2 Students should know importance o biogeochemical cycles
		CO-3 Students should know Water resources.
		CO-4 Students should know Hydrological Cycle.
24.	T.Y.B. Sc. Sem-VI	CO-1 Explanation of Daniel cell, Conventions to represent electrochemical cells.
	CH-601	CO-2 The primary reference electrode: The standard
	Physical	hydrogen electrode (SHE) with reference to
	Chemistry-II	diagram, Construction, representation, working and limitation, Secondary reference electrodes (a) The calomel electrode, (b) The glas electrode (c) The silver-silver chloride electrode

		CO-3 Nernst Equation for theoretical determination of EMF.
		CO-4 Sign convention for electrode potentials and Electrochemical series.
25.	T.Y.B. Sc. Sem-VI CH-602	CO-1 Meaning of the terms-Solution, electrolytes nonelectrolytes and colligative properties.
	Physical Chemistry -III	CO-2 Application of colligative properties to determine molecular weight of non electrolyte abnormal molecular weight.
		CO-3 Relation between Vant Hoff's factor and degree of dissociation of electrolyte by colligative property.
		CO-4 Factors affecting on solid state reactions, Rate laws for reactions in solid state, Cohesive Energy of ionic crystals based on coulomb's law and Born Haber Cycle.
26.	T.Y.B. Sc. Sem-VI CH-603	CO-1 To determine the PKa value of giver monobasic weak acid by potentiometric titration.
	Physical Chemistry Practical-II	CO-2 To prepare standard 0.2 M Na2HPO4 and 0.1 M Citric acid solution, hence prepare fou different buffer solutions using them. Determine the pH value of these and unknown solution.
		CO-3 To determine the degree of hydrolysis of aniline hydrochloride.
		CO-4 Determination of Pka of given weak acid by pH metry titration with strong base, To determine the resolving time of GM counter Determination of SO42- and CI- by turbidimetric method.
27.	T.Y.B. Sc. Sem-VI	CO-1 To understand various concepts ir
	СН-604	organometallic chemistry.

	Inorganic	CO-2 To understand the essential properties o homogeneous catalysts-Give the catalytic
	Chemistry-II	reactions for Wilkinson's Catalysis hydroformylation reaction, Monsanto acetic acid synthesis, Heck reaction
		CO-3 To understand the classification and essentic properties of heterogeneous catalysts.
		CO-4 To understand and identify the biological role of inorganic ions& compounds.
28.	T.Y.B. Sc. Sem-VI CH-605	CO-1 Student will learn the concept of acid base and their theories.
	Inorganic Chemistry-III	CO-2 Know the nature of solids, Know the crysto structures of solids.
		CO-3 Be able to define Pauling's univalent radiu and crystal radius
		CO-4 Be able to solve simple problems based o Born- Haber cycle, Be able to differentiat between the defects.
29.	T.Y.B. Sc. Sem-VI CH-606	CO-1 To know analysis of lodine from lodized salt. CO-2 To learn analysis of Calcium from milk powder.
	Inorganic	CO-3 Student should learn to synthesize ZnG nanoparticles. CO-4 Synthesis of amine complexes of Ni(II) and it
	Chemistry Practical-II	ligand exchange Reaction by substitutio method as well as student should abl purification of water using cation/anio exchange resin and analysis by qualitativ analysis /conductometry.
30.	T.Y.B. Sc. Sem-VI CH-607	CO-1 Students will learn the principle of mas spectroscopy, its instrumentation and nature of mass spectrum.
	Organic Chemistry- II	CO-2Students will be able known about various type of spectroscopy and their applications.
		CO-3 Students will be able to determine the structure of simple organic compounds on the basis of

		spectral data such as $\lambda$ max values, IR frequencies, chemical shift ( $\delta$ values).
		CO-4 Students should be able to learn the use o models to draw different types of disubstituted cyclohexenes in chair form.
31.	T.Y.B. Sc. Sem-VI CH-608	CO-1 Student should know different terms used such as Disconnection, Synthons, Synthetic equivalence, FGI, TM.
	Organic Chemistry- III	CO-2 Student should know Wittig reaction, Mc Murry reaction and Diels-Alder reaction.
		CO-3 Student should able to learn functional group inter-conversions and structural problems using chemical reactions.
		CO-4 Student should know the applications of following reagents Lithium aluminium hydride LiAlH4, NaBH4, DIBAL-H, Li(tBuO)3AlH Terpenoids Introduction, Isolation, Classification and Citral- structure.
32.	T.Y.B. Sc. Sem-VI CH-609	CO-1 students will be able to identify the functiona group or Groups present in a compound, spin- spin interaction and structure elucidation.
	Organic Chemistry Practical-II	CO-2 students will be able to Achieve the practica skills required to estimations of glucose and glycine.
		CO-3 students will be able to Apply the principles or extraction.
		CO-4 students will be able to Describe the extraction separation process.
33.	T.Y.B. Sc. Sem-VI	CO-1 To know classification of soil on the basis of pH.
	CH-610	CO-2 Know the role of various fertilizers and manures
	Chemistry of Soil and	required for plant growth and Know importance of manures as compared to chemical fertilizers.

	Agrochemicals	CO-3 Student is expected to understand the Reclamation and management of soil physical and chemical constraints.
		CO-4 Imparts knowledge on different pesticides, their nature and, mode of action and their fate in soil so as to monitor their effect on the environment.
34.	T.Y.B. Sc. Sem-VI CH-611	CO-1 Student will be able to understand the procedure of solvent extraction and its applications.
	Analytical Chemistry-II	CO-2 Students understood chromatography its types and applicationin analysis of sample.
		CO-3 Students understood HPLC, method of quantitative analysis by HPLC. And its application.
		CO-4 Students will be able to learn quantitative analysis using GC and elemental analysis.



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# DEPARTMENT OF COMMERCE (PG)

Sr. No.	Course	Outcomes
1.	M.ComI. SEM-I Management Account (Course Code - 101)	<ul> <li>CO-1 Students will understand importance of management accounting and functions of Management Accounting.</li> <li>CO-2 Students will understand various decision-making techniques of marginal costing and its application in modern business.</li> <li>CO-3 Product Pricing decision-making capacity of the students will be developed.</li> <li>CO-4 Learners can prepare various budgets independently.</li> </ul>
2.	M.ComI. SEM-I Strategic Management (Course Code- 102 )	<ul> <li>CO-1 To introduce the students to the emerging changes in the modern business environment</li> <li>CO-2 To develop the analytical , technical and managerial skills of students in the various areas of Business Administration</li> <li>CO-3 To empower to students with necessary skill to become effective future managers and leaders</li> <li>CO-4 To develop technical skills among the students for designing and developing effective functional strategies for growth and sustainability of business.</li> </ul>
3.	M.ComI. SEM-I Production and Operations Management (Course Code -: 113 )	<ul> <li>CO-1 Students will be able to define the main goals, duties, and review of production and operation management and understand the significance of successful POM in achieving operational effectiveness and competitiveness.</li> <li>CO-2 Students will thoroughly understand production systems, which will serve as a strong basis for their further exploration of production and operation management principles and practices.</li> <li>CO-3 Students will learn about various operations</li> </ul>

		management strategies and tactics, including inventory control and lean operations
		management.
		CO-4 To understand and develop deep insight o
		production & operation management.
4.	M.ComI. SEM-I	CO-1 The Students will understand the Financia
		System of India and its role and importance ir
	Financial	financial management.
	Management	CO-2 Students will understand the concepts o
	(Course Code -	financing and will gain knowledge or
	114)	Financial Statement analysis.
		CO-3 Students will understand how to make
		Investment Decisions and the importance o
		Capital budgeting techniques.
		CO-4 Students will have a strong foundation ir
		understanding the meaning and nature o
		working capital management and to
		formulate credit and collection policy.
5.	M.ComI. SEM-I	CO-1 The objective of the course is to impar
		knowledge regarding marketing managemen
	Consumer	techniques and process;
	Behaviour	CO-2 To develop understanding of the marketing
	(Course Code :	functions techniques and strategies.
	118)	CO-3 To study the Introduction to Consume
		Behaviour and Market Segmentation
		Consumer Perception: Definition of Perception
		Elements of Perception, Consumer Learning
		and Memory, Personality and Self Concept,
		CO-4 Motivation and involvement, attitude formation
		and change.
6.	M.ComI. SEM-I	CO-1 To study and critically analyze the basic
	Marketing	concepts & techniques of Marketing.
	Technique	CO-2 To understand the, Introduction of Marketing
		Marketing Organisation and Environment
	(Course Code :-	Product Mix, Price and Place Mix, Promotion
	117)	Mix/ marketing Communication.
		CO-3 To Study Marketing Communication
		CO-4 To Study people process and physicc evidence.
7.	M.ComI. SEM-II	CO-1 The objective of the course is to enable
/.	Financial Analysis	students to acquire sound knowledge o

	& Control	concepts, methods and techniques of
		management accounting and to make the
	(Course	students develop competence with thei
	Code -: 201)	usage in managerial decision making and
		control.
		CO-2 To study the long term investment decisions
		cost of capital, marginal costing, short rur
		managerial decision analysis, budget and
		budgetary control and standard costing.
		CO-3 To enable the students to acquire knowledge
		of financial analysis and control tools
		CO-4 To Make appropriate application and uses o
		financial analysis and control.
8.	M.ComI. SEM-II	CO-1 To study the basic concepts of Industria
- *	Industrial	Economics.
	Economics	CO-2 To study the significance and problems o
		Industrialization.
	(Course Code -	CO-3 To study the impact of Industrialization or
	202 A)	Indian Economy.
		CO-4 To study the Introduction of Industria
		Economics, Industrial Location, Industria
		Productivity, Industrial Efficiency and
		Profitability, Industrial Profile and Problems and
		Industrial Imbalance.
9.	M.ComI. SEM-II	CO-1 The objective of the course is to enable
	<b>Business Ethics</b>	students to study the Introduction of the
	and Professional	Business Ethics and Professional Values, Indiar
	Values	Ethical Practices, Dilemmatic situations ir
		Professional Ethics, Code of Ethics and
	(Course	conduct, Indian Approach to Business Ethics
	Code -: 213)	Gandhian'.
	0000 . 210)	CO-2 To Approach in Management and Trusteeship
		Gandhi's Doctrine of Satya and Ahinsa
		Concept , importance and relevance o
		trusteeship Principle in Modern Business
		Emergence of new values in Indian Industries
		after economic reforms of 1991.
		CO-3 To raise the student's general awareness or
		the ethical dilemmas at workplace.
		CO-4 To investigate whether ethics set any
		boundaries on competition, marketing, sales

		and advertising.
10.	M.ComI. SEM- II	CO-1 The objective of the course is to enable
	Flam and a f	students to study the Introduction to
	Elements of	Knowledge Management Process,
	Knowledge	CO-2 To Organizational Learning, Knowledge
	Management	Management Tools & Change Managemer
	(Course Code -:	and Knowledge Management Culture.
	214)	CO-3 To develop Analytical and Research oriented
		skills among the students.
		CO-4 To promote research and innovation ideo
		based on Knowledge Management.
11.	M.ComI. SEM- II	CO-1 To impart knowledge regarding custome relationship management, & retailin
	Customer	techniques, process and tools and develop a
	Relationship	understanding of the CRM & retailing function
	Management &	techniques and strategies.
	Retailing	CO-2 To Study the CRM An Introduction, Emergin
	(Course Code )	CRM, CRM and I.T, Latest Development i
	(Course Code -:	CRM, CRM Implementation Issues, and Peopl
	217)	factor in CRM.
		CO-3 To understand of the CRM & amp; retailin
		functions techniques and strategies.
		CO-4 To help students understand various issue
		related with CRM implementation
12.	M.ComI. SEM- II	CO-1 To impart knowledge regarding service
		marketing process and tools.
	Services	CO-2 To develop understanding of the service
	Marketing Course	marketing functions techniques and strategies
	( Code -: 218)	CO-3 To develop service marketing strategies.
	( COUC 210)	CO-4 To identify consumer perception and how t
		develop consumer trust, goodwill and loyalty.
10		
13.	M.ComII. SEM- III	CO-1 To acquaint the students with corporat
	<b>Business Finance</b>	finance required for Indian Industries. CO-2 To make the students aware about the late:
	(Course Code	developments in the field of corporat
	(Course Code -:	finance.
	301)	CO-3 To enable the students to understand th
		dividend distribution practices.
		CO-4 To give detail exposure of working capito

		management practice of finance to studen
		Skills to be developed.
14.	M.ComII. SEM- III	CO-1 To acquaint the students with the areas a
	Research	business research activities.
	Methodology for	CO-2 To enhance capabilities of students to conduc
	Business	the research in the field of business and soci
		sciences.
	(Course Code -:	CO-3 To enable students, in developing the mo
	302)	appropriate methodology for their researc
		studies.
		CO-4 To make them familiar with the art of usin
		different research methods and techniques.
15.	M.ComII. SEM- III	CO-1 To acquaint the students with in-dept
	Human Resource	knowledge of HRM.
	Management	CO-2 To inculcate among students various practice
		followed by HR managers.
	(Course Code -	CO-3 To create understanding about recent trends
	:313)	HRM
		CO-4 To understand the E-HR and recent trends i
		Human Resource management.
16.	M.ComII. SEM- III	CO-1 To make the students understand variou
10.		
	Organizational	concepts of organisation behaviour.
	Behaviour	CO-2 To provide in depth knowledge about proces
	(Course Code -:	of formation of group behaviour in a
	314)	organization set up.
	- /	CO-3 To understand the concept of stress an
		conflict and effects of work culture
		CO-4 To know the motivational process an
		emotional intelligence.
17.	M.ComII. SEM- III	CO-1 The Course participants will become mor
	International	familiar with the nature and practices of
	Marketing	international marketing. They should fe
	(Course Code -:	equally confident to be able to distinguis
	317)	international marketing mechanics from th
		domestic marketing models and approaches
		CO-2 They would be far more equipped to desig
		and participate in designing an internation
		marketing strategy.
		CO-3 The spin-off benefits to the participants shoul
		be to develop in them a right attitude, injec
		enthusiasm and hone their interactive ability o

		they address the issues and challenges of operating in the international markets. CO-4 To impart the knowledge regarding procedura aspects of export documentation.
18.	M.ComII. SEM- III Marketing Research (Course Code -:	CO-1 Marketing Research Department's Goals Progmatic, Selective, and Evaluative Marketing Decision Support System (MDSS) Scope & Significance
	318)	CO-2 The Market and Sales Analysis, Sales forecasting objective and subjective methods, Tes marketing, Industrial versus consume marketing research.
		CO-3 To impart the students to understand the various concepts regarding internationo marketing.
		CO-4 To impart the knowledge regarding work economy and current environment of global marketing.
19.	M.ComII. SEM- IV Capital Market and Financial	CO-1 To enable students to acquire sound knowledge, concept and structure of capito market and financial services.
	Services ( Course Code -: 401 )	<ul> <li>CO-2 To acquaint the students with working a capital market.</li> <li>CO-3 To make the students aware about the lates alouglog and in the field of against an arket in the field of against an arket in the field of against and a states.</li> </ul>
		developments in the field of capital market in India. CO-4 To give exposure of financial services offered by various agencies and financial adviser to students.
20.	M.ComII. SEM- IV Industrial Economic Environment	<ul> <li>CO-1 To study the basic concepts of Industric Finance.</li> <li>CO-2 To study the effects of New Economic Policy.</li> <li>CO-3 To study the impact of Labour reforms or industries.</li> </ul>
	( Course Code -: 402 )	CO-4 To enable the students to understand variou transactions in stock exchanges and agencie involved in it.
21.	M.ComII. SEM- IV Recent Advance	CO-1 To familiarise the students with the recen advancements in business administration
	in Business	CO-2 To develop an understanding about tools and

	Administration	their application in the business.
	(Course Code -: 413)	<ul> <li>CO-3 To understand the basic concepts of Change Management and their approaches.</li> <li>CO-4 To impart adequate knowledge and analytica of cross cultural Management.</li> </ul>
22.	M.ComII. SEM- IV Project Work in Business Administration ( Course Code -: 414)	CO-1 To develop research attitude of the students. CO-2 To enrich the ability of research work among the students.
23.	M.ComII. SEM- IV Recent Advantages in Marketing ( Course Code -: 417)	<ul> <li>CO-1 To Process of Creating a Marketing Strategy Global v/s Local Marketing Strategy.</li> <li>CO-2 To make students aware of the latest change and challenges in digital marketing.</li> <li>CO-3 To acquaint students with mechanisms o Delivering Service through Intermediaries and Modern E Channels</li> <li>CO-4 To help students understand various issue related with sustainable marketing.</li> </ul>
24.	M.ComII. SEM- IV Project Work in Advanced Marketing ( Course Code -: 418)	CO-1 To develop research attitude of the students. CO-2 To enrich the ability of research work among the students.



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# DEPARTMENT OF CHEMISTRY (PG)

Sr. No.	Course	Outcomes
1.	M.ScI SemI CCTP-1CHP-110- Physical Chemistry-I CCTP-Core Compulsory Theory Paper	<ul> <li>CO-1 Realize the terms State function, path function, exact differential and inexact differential, internal energy and enthalpy,</li> <li>CO-2 Know the Helmholtz and Gibbs function, Entropy and entropy change in an ideal gas with temperature and pressure</li> <li>CO-3 Learn Partial molar quantities, methods for determination of molar quantities, ideal solutions</li> <li>CO-4 Understand the Raoult's, Henry's law, Gibbs</li> </ul>
2.	M.ScI SemI	function, colligative properties, Elevation in boiling point, depression. CO-1 To understand the concept of symmetry and able to pass various symmetry elements
	CCTP-2 CHI-130- Inorganic Chemistry-I	<ul> <li>able to pass various symmetry elements through the molecule.</li> <li>CO-2 Understand the concept and point group and apply it to molecules.</li> <li>CO-3 Known the Projection operators and their use of construct SALC.</li> </ul>
		CO-4 To understand the Application of Group theory to Infrared Spectroscopy.
3.	M.ScI SemI CCTP-3CHO-150-	CO-1 To understand some fundamental aspects of organic chemistry, to learn the concept aromaticity, to understand the various types of
	Organic Chemistry-I	<ul> <li>aromaticity.</li> <li>CO-2 To study heterocyclic compound containing one and two hetero atoms with their structure, synthesis and reactions.</li> <li>CO-3 Learn the concept stereochemistry and its importance; their rules and the concept of chirality.</li> <li>CO-4 Understand the role of various reaction intermediates like carbocation, carbanion, carbines, radicals, and nitrates in organic reactions.</li> </ul>
4.	M.ScI SemI	CO-1 Students will be able to explore new areas of research in both Chemistry and allied fields of

	CBOP-1 CHG-190	science and technology.
	General Chemistry-	CO-2 Understand the Students will be able to function
	ICBOP-Choice Based	as a member of an interdisciplinary problem
	Optional Paper	solving team.
		CO-3 Understand to impart the student's thorough
		idea in the chemistry of carbohydrates, aming
		acids, proteins and nucleic acids etc.
		CO-4 Develop skills to critically read the literature an
		effectively communicate research in a pee
E		setting.
5.	M.ScI SemII	CO-1 Understand of the principle of Microwave, IR
	CCTP-4 CHP-210-	Raman Electronic, NMR, ESR and Mossbaue
	Physical Chemistry-	spectroscopy.
		CO-2 Draw of the schematic Microwave, IR and
		Raman spectrum of di and triatomic molecule
		based on the selection rules.
		CO-3 Understand of decay kinetics and measuremen
		of radioactivity.
		CO-4 Get knowledge of types of nuclear react.
6.	M.ScI SemII	CO-1 Understand to find out the no of microstates and
	CCTP-5CHI-230-	meaningful term symbols, construction c
		microstate table for various configuration.
	Inorganic Chemistry-II	CO-2 Understand to draw correlations diagram for
	Chemisny-ii	various configurations in Tdh Oh ligand field.
		CO-3 Study the basic d-d transition, d-p mixing
		charge transfer spectra.
		CO-4 Understand the various terms involved i
		magneto chemistry.
7.	M.ScI SemII	CO-1 MOT and will be able to extend this in predicting
		reaction mechanism and stereochemistry o
	CCTP-6 CHO-250-	electro cyclic reactions.
	Organic Chemistry	CO-2 The concepts in free radical reaction:
	-11	mechanism and the stereo chemico
		outcomes.
		CO-3 The basic principle of spectroscopic method
		and their applications in structure elucidation of
		organic compounds using given spectroscopi
		data or spectra.
		CO-4 Understand the factors affecting UV-absorptio
		spectra, Interpret IR-spectra on basic values of
		IR-frequencies.

8.	M.ScI SemII	CO-1 To impart the student's thorough idea in the
	CBOP-2 CHG-290-	chemistry of carbohydrates, amino acids
		proteins and nucleic acids etc.
	GeneralChemistry-II	CO-2 Students will be able to function as a member of
		an interdisciplinary problem-solving team.
		CO-3 Develop skills to critically read the literature and
		effectively communicate research in a pee
		setting.
		CO-4 Understand the importance of chemical biolog
		research and interdisciplinary work.
9.	M.ScI SemI	CO-1 Calculate molar and normal solution of variou
		concentrations.
	CCPP-1CHP-107-	CO-2 Determine specific rotations and percentage of
	Practical Course –I	two optically active substances by pole
		metrically.
	CCPP -Core	CO-3 Study the energy of activation and secon
	Compulsory	order reaction.
	Practical Paper	CO-4 Understand the colorimetry an
		Spectrophotometric technique.
10.	M.ScI SemII	CO-1 Study of synthesis of coordination complexes.
10.		CO-2 Understand the structural determination of
	CCPP-2	metal complexes by conduct metri
		measurement.
	CHP-227-Practical	CO-3 Understand the inorganic characterizatio
	Course-II	techniques, Inorganic Kinetics and Ion
		Exchange Chromatography.
		CO-4 Students are trained to different purificatio
		techniques in organic chemistry lik
		recrystallization, distillation, steam distillation.
11.	M.ScII SemIII	CO-1 Study of colorimeter, Faraday 1st law, Farada
11.	M.JCII JCIIIIII	2nd law.
	CHA-390	CO-2 Study of voltammetry and palaeographi
		method of analysis.
	Electro analytical	CO-3 Study of amperometry and their applications.
	and radio analytical	CO-4 Learn radio analytical methods of analysi
	methods of analysis	
		activation analysis.
12.	M.ScII SemIII	CO-1 Study of apparatus for test and assay, cleanin
		of glassware, role of FDA in pharmaceutico
	CHA-391	industry.
	Pharmaceutical	
		l

	analysis.	CO-2 Learn biological test and assay, microbiological test and assay, physical test, determination limit test sterilization.
		CO-3 Analysis of vegetable drug, sources of impuritie in pharmaceutical row materials and finishe products.
		CO-4 Learn standardization and quality control of different row materials.
13.	M.ScII SemIII	CO-1 Study the classical approach for aqueou
	CHA-392	extraction, solid phase extraction, mich extraction and SFE.
	Advanced analytical	CO-2 Learn: AAS, FES, ICPAES, and DCP.
	techniques	CO-3 Study atomic fluorescence, resonant ionization and LASER based enhanced ionization.
		CO-4 Study of different detectors and the applications.
14.	M.ScII SemIII	CO-1 To understand assay validation and inter- laboratory transfer.
	CHA-380	
	Geochemical and alloy analysis and	CO-2 Study the statistical analysis and analytic figure.
	analytical method	CO-3 Learn the analysis of geological materials an
	development and	alloys.
	validation.	CO-4 Study the analysis of soil, sampling, chemic analysis as a measure of soil fertility.
15.	M.ScII SemIV	CO-1 Study of ESCA, Detectors and their application
	CHA-490	CO-2 Learn X-ray method of analysis, numerica problems.
	Analytical	
	spectroscopy	CO-3 Understand an introduction to microscopy, i applications.
		CO-4 Study of chemiluminescence's, Fluorescence and phosphorescence.

16.	M.ScII SemIV CHA-491	CO-1 Study of analysis of fertilizer, sampling and sample preparation, Kendal's method.
	Analytical methods for analysis of	CO-2 Understand the analysis of soap and detergents UV-spectroscopic analysis of detergent.
	fertilizer detergent, water and polymer	CO-3 Study of water pollution and analysis of polluted water.
		CO-4 Learn the polymer chemistry, analysis and testing of polymer, measurement of molecula weight and size.
17.	M.ScII SemIV	CO-1 Study of pollution monitoring, removal of heavy toxic metals Cr, Hg.
	CHA-492 Pollution monitoring	CO-2 Learn the removal of particulate matters SO2And NOx.
	and control and analysis of body fluid.	<ul><li>CO-3 Study the collection of specimen blood, urine faces.</li><li>CO-4 Learn the analysis of blood and urine, Vitamin in backy fluid.</li></ul>
18.	M.ScII SemIV CHA-481	body fluid. CO-1 Study of acute poisoning, clinical toxicology. CO-2 Learn the isolation, identification and
	Analytical	determination of narcotics, CO-3 Study the classification function, analysis o
	toxicology and food analysis.	carbohydrate, Protein. CO-4 Study the food preservatives, identification determination, and composition.
19.	M.ScII SemIII	CO-1 Study the gravimetric and volumetric analysis a ores and alloy.
	CHA-387 Analysis of materials	CO-2 Prepare a various inorganic complex and determine its % purity.
		CO-3 Preparation of nonmaterial. CO-4To understand the chromatographic techniques.
20.	M.ScII SemIV CHA-487	CO-1Spectral analysis best on instrumento techniques.
	Instrumental	CO-2 Photometric determination.
	Analysis.	CO-3 Study of Conduct meter, FES, Polarography. CO-4 Analysis of riboflavin by photoflurometry.

21.	M.ScII SemIV	CO-1 Study the dissolution of tablet.
		CO-2 Learn the spectroscopic techniques.
	CHA-488	CO-3 Study Volumetric and gravimetric estimation.
	Organic Chemistry	CO-4 Analysis of quinine sulphate by photoclinometry
	Practical	



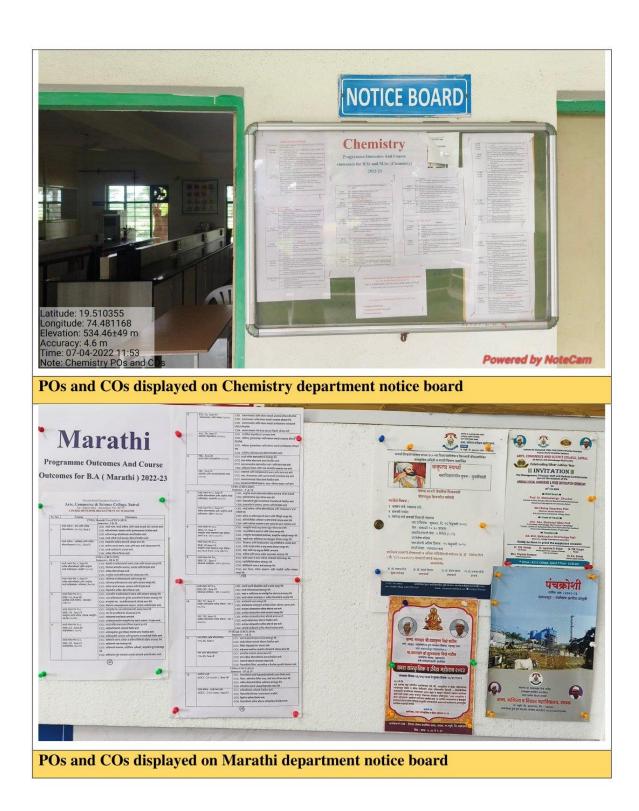
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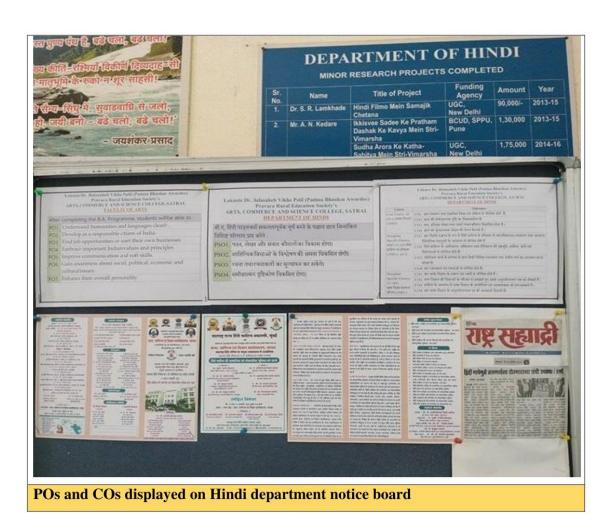


LOKNETE DR. BALASAHEB VIKHE PATIL (PADMA BHUSHAN AWARDEE) PRAVARA RURAL EDUCATION SOCIETY'S ARTS, COMMERCE AND SCIENCE COLLEGE SATRAL

#### Sample of POs and COs displayed on college notice board









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