



SSRI's,

ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

Programme Outcomes, Programme Specific Outcomes and Course Outcomes

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POs-PSOs & COs

CBCS Pattern

BACHELOR OF ARTS

Program Outcomes	Arts
PO1-.Critical Thinking:	Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
PO-2: Effective Communication:	Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
PO-3: Social Interaction:	Elicit views of others, mediate disagreements and help reach conclusions in group settings.
PO-4: Effective Citizenship:	Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
PO-5: Ethics:	Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
PO-6: Environment and Sustainability:	Understand the issues of environmental contexts and sustainable development.
PO-7: Self-directed and Life-long Learning and Socio-economic awareness:	Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes. Becomes aware of socio-economic conditions and try to create a balance through sensible behaviour and judicious decisions.
Department of English	



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PSO, CO 2023-24	PROGRAM: B.A. English
Program Specific Outcomes	PSO-1: Understand different modes of communication in the context of modern life.
	PSO-2: Become effective and efficient users of English language.
	PSO-3: Enhance Employment opportunities in communication based careers.
	PSO-4: Understand and apply the basic terms in English literature-drama, poetry and fiction and literary Criticism.
Course Outcomes	Semester I
F.Y.B.A. (CBCS- 2019)	
Course Code: 11011	CO1: To demonstrate (level 2 Understanding) students to the best examples of prose and poetry of English to relate the beauty and communicative power of English.
Compulsory English	CO 2: To illustrate (level 2 Understanding) different parts of speech-grammar and apply (level 3 Applying) them to day-to-day life.
	CO3: To develop the ability to appreciate (Level 5 Evaluating) and think critically.
	CO 4: To improve (level 6 Creating) employability of students by developing their linguistic competence and communication skills.
Course Code : 11331	CO 1: To familiarize (Level 1 Remembering) students with the minor forms of literature in English.
Optional English	CO2: To simplify them the basics of phonology of English so that they can pronounce better and speak English correctly. (Level 3 Applying)
	CO3: To enhance the job potential of students by improving (level 3 Applying) their language skills.



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	CO 4: To explain students about the basics of literature and language. (Level 5 Evaluating)
	Semester II
Course Code: 12011	CO1: To illustrate (level 2 Understanding) different parts of speech-grammar and apply (level 3 Applying) them to day-to-day life.
Compulsory English	CO 2: Develop (Level 3 Applying) interest in reading literary pieces.
	CO 3: Show (level 2 Understanding) to native cultural experiences and situations in order to develop (Level 3 Applying) human values and social Awareness.
	CO 4: To improve (level 6 Creating) employability skills by developing their linguistic competence and communication skills.
Course Code : 12331	CO1: Explain significance of various sub systems of English language.
Optional English	CO 2: Familiarity with the basics of English language.
	CO 3: Expose to native cultural experiences and situations
	CO 4: To instill human values through the literary pieces.
Course Outcomes	Semester I SYBA Pattern 2019
Course Code: 23001	CO 1: To develop effective communication skills by developing ability to use right words in right context
	CO 2: To improve employability of the students by developing their basic soft skills.
Compulsory English	CO 3: To instill human values through the literary pieces.
	CO 4: To modify the learning of some important areas of grammar for better linguistic Competence. (Level 6)



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Course Code: 23331	CO1: To explain drama as a form of literature and minor forms of drama. (Level 2 Remembering)
Appreciating Drama	CO 2: To demonstrate the students with the elements of drama.(Level 2 Understanding)
	CO 3: To justify the students about the evaluation of drama independently. (Level 5 Evaluating)
	CO 4: Appreciate (Level 4 Analysing) and analyze masterpieces of English literature from different parts of the world.
Course Code: 23332	CO 1: To Explain (Level 1 Remembering) to the students various critical concept related to poetry.
Appreciating Poetry	CO 2: To illustrate (level 2 Understanding)students to the masterpieces of English literature
	CO 3: To teach them to appraise (level 3 Applying) poetry.
	CO 4: To critically evaluate (level 4 Analysing) poetry independently.
Course Code: 23333	CO 1: To introduce students to the various components of language(L2 Understanding)
Advanced Study of English Language	CO 2: To develop (level 3 Applying) linguistic competence of the students
	CO 3: To demonstrate (L 2 Understanding)) to the students advanced areas of language study.
	CO 4: To enhance communicative skill of students by developing (level 4 Analyzing) insights into the working of language.
Skill Enhancement Course	CO 1: To develop interest among the students to interact in English. (Level 3)
Course Code: 23334	CO 2: To enhance the communicative skills of students for everyday communication. (Level 3)



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	CO 3: To introduce students to the various skills in communication. (Level 2)
	CO 4: To develop (level 3) linguistic competence of the students
	Semester II
Compulsory English	CO 1: To introduce (Level 1 Remembering) students to the best examples of English literature.
Course Code: 24001	CO 2: To develop (Level 2 Understanding) effective communication skills by developing ability to use right words in right context.
	CO 3: To enhance (Level 3 Applying) employability through the development of basic soft skills.
	CO 4: To reinforce (Level 6 Creating) the learning of some important areas of grammar for better linguistic competence.
Appreciating Drama	CO 1: Develop critical insight to read literature closely.
Course Code: 24331	CO 2: To illustrate students to the masterpieces of English literature
	CO 3: To justify the students about the evaluation of drama independently. (Level 5)
	CO 4: To Explain (level 2) to the students various critical concept related to drama.
Appreciating Poetry	CO 1: To justify the students about the evaluation of poetry independently. (Level 5 Evaluating)
Course Code: 24332	CO 2: Develop (Level 3 Applying) critical insight to read literature closely.
	CO 3: To teach them to appraise (level 4 Analyzing) poetry.
	CO 4: To critically evaluate (level 4 Analyzing) poetry independently.
Advanced Study of English Language	CO 1: To demonstrate (L 2 Understanding) to the students advanced areas of language study.



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Course Code: 24333	CO 2: To enhance (Level 6 Creating) communicative skills of students by developing (level 3 Applying) insights into the working of language.
	CO 3: Awareness (Level 1 Remembering) for the phenomena of world Englishes.
	CO 4 : Explain (Level 2 Understanding) significance of various sub systems of English language
Skill Enhancement Course	CO 1: Understand different modes of communication in the context of modern life.
Course Code: 24334	CO 2: To develop interest among the students to interact in English. (Level 3)
	CO 3: To enhance the communicative skills of students for everyday communication. (Level 3)
	CO 4: To introduce students to the various skills in communication. (Level 2)
Course Outcomes TYBA (Pattern 2019)	
Semester V	
Compulsory English	
Course Code: 35001	CO 1: To apply the knowledge of language in real life situations level 3
	CO 2: To improve level 6 the personality of the students through the smart use of language.
	CO3: To develop level 3 humanitarian and to foster level 3 sympathetic attitude in the students.
	CO 4: To extend level 2 to the knowledge of some essential soft skills to enhance their employability.
Course Code: 35331	
Appreciating Novel	CO 1: To Explain level 2 to the students various critical concept related to poetry.
(S3)	CO 2: To illustrate students to the masterpieces of English literature.
	CO 3: To teach those to appraise (level 4) novel.



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	CO 4: To critically evaluate (level 4) novel independently.
Introduction to Literary Criticism Course Code:35332 (S4)	CO 1: To introduce students to the basics of literary criticism. (L2)
	CO 2: To familiarize the students with the critical approaches and terms. (Level 1)
	CO 3: To encourage students to interpret (Level 5) literary works in the light of the critical approaches.
	CO 4: To develop aptitude for critical analysis. (Level 3)
Enhancing Employability Skills (G3) Course Code: 35333	CO1: To aware students about career opportunities in English.(L2)
	CO2: To develop verbal and nonverbal communication abilities of students(L3)
	CO3: To develop competence in using English for the career of students.
	CO4: To use English effectively in the career of students.
Mastering Life skills and life values (SEC) Course Code: 35334	CO1: To introduce students with life skills.(L2)
	CO2: To train students with interpersonal skills.(L3)
Semester VI	



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Course Code: 36001 Compulsory English	CO 1: To apply the knowledge of language in real life situations level 3
	CO 2: To improve level 6 the personality of the students through the smart use of language.
	CO3: To develop level 3 humanitarian and to foster level 3 sympathetic attitude in the students.
	CO 4: To extend level 2 to the knowledge of some essential soft skills to enhance their employability.
Course Code: 36331 Appreciating Novel (S3)	CO 1: To Explain level 2 to the students various critical concept related to poetry.
	CO 2: To illustrate students to the masterpieces of English literature.
	CO 3: To teach those to appraise (level 4) novel.
	CO 4: To critically evaluate (level 4) novel independently.
Introduction to Literary Criticism(S4) Course Code:36332	CO 1: To introduce students to the basics of literary criticism. (L2)
	CO 2: To familiarize the students with the critical approaches and terms. (Level 1)
	CO 3: To encourage students to interpret (Level 5) literary works in the light of the critical approaches.



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	CO 4: To develop aptitude for critical analysis. (Level 3)
Enhancing Employability Skills (G3) Course Code: 36333	CO1: To identify the career opportunities suitable to their skills
	CO2: To enhance skills required for their placement.(L6)
	CO3: To develop competence in using English for the career of students.
	CO4: To use English effectively in the career of students.
Mastering Life skills and life values (SEC) Course Code: 35334	CO1: To introduce students with life values.(L2)
	CO2: To train students with interpersonal skills.(L3)
	CO3: To develop professional values and moral values among students. (L4)
	CO4: To develop self-management qualities. (L6)
	CO3: To develop critical thinking abilities. (L4)
	CO4: To develop leadership qualities. (L6)



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Department of Marathi

Department of Marathi Course Outcomes B. A. Marathi Course Outcomes-	
एफ.वाय.बी.ए. मराठी जनरल सेमि. १ १. कथा आणि भाषिक कौशल्यविकास	After completion of these courses students should be able to;
	१) कथा वतिचे स्वरूप, घटक आणि प्रमुख प्रकारांचा परिचय विद्यार्थ्यांना होतो.
	२) समकालीन मराठी कथा याकथा संग्रहातील कथांमधील विविध पत्रांचा परिचय विद्यार्थ्यांना होतो.
	३) मराठी कथेच्या आजवरच्या वाटचालीचा परिचय विद्यार्थ्यांना होतो.
	४) श्रवण, लेखन, वाचन व संभाषण या कौशल्याचा विकास होतो.
	१) अभ्यासक्रमासाठी असलेल्या एकांकिकामधील पत्रांचा परिचय विद्यार्थ्यांना होतो.
	२) एकांकिका या साहित्य प्रकारचे स्वरूप वैशिष्ट्ये यांचा परिचय विद्यार्थ्यांना होतो.
	३) मराठी साहित्यातील एकांकिका या साहित्य प्रकारची ओळख होते.
	४) श्रावण व लेखन या भाषिक कौशल्याचा विकास होतो.
	१) विद्यार्थ्यांमध्ये वाचन संस्कृती व भाषेविषयी आवड निर्माण करता येते.
एफ.वाय.बी.कॉम मराठी जनरल- सेमि. १ १.भाषा साहित्य आणि कौशल्य विकास	२) विविध क्षेत्रातील कर्तृत्ववान व्यक्तींच्या कार्याची व विचारांची ओळख होते
	३) यशस्वी उद्योगाची दिशा दाखविण्यास मदत होते.
	४) निबंध लेखनाचे स्वरूप व प्रकारांचा परिचय होतो



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सेमि. २ २. भाषा आणि कौशल्य विकास	१) अर्ज लेखन व पत्र लेखन कौशल्य आत्मसात होतात. २) विविध क्षेत्रीय मराठी भाषेच्या वापराची कौशल्य विकसित होतात. ३) विद्यार्थ्यांमध्ये नैतिक व्यावसायिक व वैचारिक मुल्यांची जोपासना होते. ४) वृत्तपत्र माध्यमातील बातमी लेखन जाहिरात लेखन इत्यादीत नैतिक विद्यार्थी अवगत करतात.
एस.वाय.बी.ए. मराठी जनरल- २ सेमि. ३ १) भाषिक कौशल्य विकास आणि आधुनिक मराठी साहित्य प्रकार कादंबरी	१) रारंग ढांगयाकादंबरीचा आशय, त्यातील संघर्ष, पात्रचित्रण यांचे प्रातिनिधिक स्वरूपात अध्ययन करण्यास मदत होते. २) रारंग ढांग या कादंबरीतील निसर्गाचे रौद्र रूप, लष्कराची शिस्त व जीवनस्वरूप विद्यार्थी समजून घेतात. ३) संगणक आणि मोबाईल वर युनिक कोड मधून मुद्रण कसे करावे हे समजून घेता येते. या वाड्मय प्रकारचे स्वरूप, वैशिष्ट्ये, वाटचाल, प्रकार व घटक यांचा परिचय विद्यार्थ्यांना करून घेता येतो. ४) रारंग ढांग कादंबरीचे वाड्मय मूल्यमापन करून घेण्याची दृष्टी विकसित होते.
सेमि. ४२) भाषिक कौशल्य विकास आणि आधुनिक मराठी साहित्य प्रकार ललित गद्य	१) ललित गद्याचे आकलन व आस्वाद विद्यार्थ्यांना घेता येतो. २) नेमलेल्या अभ्यास पुस्तकातील ललित गद्याचे आकलन विद्यार्थी करतात. ३) गुगल साधनाचा अध्यापनातील वापर विद्यार्थी शिकतात. ४) ललित गद्य या साहित्य प्रकारचे स्वरूप घटक व प्रकार व वाटचाल विद्यार्थी समजून घेतात.
एस.वाय.बी.ए. मराठी MIL – सेमी. ३ १) मराठी भाषिक संद्यापण कौशल्य	१) वृत्तपत्र माध्यमांसाठी बातमी लेखन तंत्र विद्यार्थी अवगत करतात. २) नभोवाणी या श्राव्य माध्यमांचा विशेष परिचय करून घेता येतो तसेच नभोवाणी माध्यमांचे कार्य, उपयुक्तता जाणून घेता येते. ३) नभोवाणी माध्यमांसाठी भाषण लेखन व श्रुतिका लेखन तंत्र विद्यार्थी अवगत करतात.



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	४) दूर चित्र वानैसाठी माहिती पट संहिता लेखन तंत्र विद्यार्थी अवगत करतात..
सेमि : ४२) नवमाध्यमे आणि समाज माध्यमांसाठी मराठी	१) नव माध्यमे आणि समाज माध्यमांविषयी साक्षरता निर्माण होते.
	२) भाषा जीवन व्यवहार आणि नाव माध्यमे यांच्यातील परस्पर संबंध विद्यार्थ्यांना समजण्यास मदत होते.
	३) वेब साईट आणि ब्लॉग साठी लेखन प्रक्रिया विद्यार्थी समजून घेतात.
	४) व्यावसायिक पत्र व्यवहार तंत्र विद्यार्थ्यांना अवगत होण्यास मदत होते.
एस. वाय. बी. एस्सी. मराठी जनरल – सेमि. ३ १) उपयोजित मराठी	१) मराठी भाषा, साहित्याच्या परस्पर संबंधांची जाणीव होते.
	२) वृत्तपत्र, नभोवाणी चित्रवाणी महाजाल, इत्यादी प्रसार माध्यमांसाठी लेखन कसे करावे हे समजते.
	३.) मराठी भाषा आणि जीवन व्यवहार विद्यार्थ्यांना समजण्यास मदत होते.
	४) विज्ञान कथेच्या विविध घटकांची ओळख विद्यार्थ्यांना होते.
सेमि. ४२) मराठी साहित्य	१) निबंध लेखनाचे कौशल्य विद्यार्थी आत्मसात करतात ३)
	२) साहित्य विषयक अभिरुची विकसित होते.
	३) विद्यार्थ्यांची विज्ञान साहित्य विषयक आकलन क्षमता वाढते.
	४) विज्ञान कथेच्या विविध घटकांची ओळख विद्यार्थ्यांना होते.
TYBA Marathi General (Sem. V)	
भाषिक कौशल्य विकास आणि आधुनिक मराठी साहित्य प्रकार प्रवास वर्णन) CC-1E(3)	१. विद्यार्थ्यांना कादंबरी या वाङ्मय प्रकारची ओळख करून घेता आली.
	२. विद्यार्थ्यांना आधुनिक काळातील कादंबरीच्या प्रेरणा समजून घेता आल्या.
	३. रारंगढांग या कादंबरीचा आशय, त्यातील संघर्ष, पात्र चित्रण यांचे



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	प्रातिनिधिक स्वरूपात अध्ययन करण्यास मदत होते.
	४.रांगढांग या कादंबरीतील हिमालयातील निसर्ग व जीवन वास्तवाचे स्वरूप विद्यार्थी समजून घेतात.
TYBA Marathi General (Sem. VI)	
भाषिककौशल्यविकासआणिआधुनिकमराठीसाहित्यप्रकारकविता)CC-1F(3)	१.कविता या वाडः मय प्रकारचे स्वरूप, वैशिष्टे, वाटचाल, प्रकार व घटक यांचा परिचय विद्यार्थ्यांना करून घेता येतो.
	२.कादंबरीचे वाडःयीन आकलनव मूल्यमापन करण्याची विद्यार्थ्यांची दृष्टी विकसित होते.
	३.रूप कवितेचे या कविता संग्रहातील जीवन जाणिवांचा शोध विद्यार्थी घेतात.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

DEPARTMENT OF HINDI

Program Specific Outcomes:

Hindi : Program Specific Outcomes:
PROGRAM SPECIFIC OUTCOMES OF BA HINDI

- PSO1: हिंदी साहित्य के माध्यम से छात्रों में सामाजिक प्रतिबद्धता का निर्माण करना ।
- PSO2: हिंदी साहित्य के माध्यम से जीवन तथा मानवीय मूल्यों का ज्ञान प्रदान करना ।
- PSO3: छात्रों में सर्जनात्मक शक्ति का निर्माण करना ।
- PSO4: छात्रों में हिंदी भाषा कौशल (पठन, श्रवण, लेखन, भाषण/प्रभावी संप्रेषण) का विकास करना ।



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1) Hindi : 2020-21 (FYBA-Hindi- G1) Semester- I

COURSE OUTCOMES:

CO1: Explain (L2, Understanding) छात्रोंको गद्य और पद्य रचनाकारों तथा विधाओंका परिचय देना।

CO2: Develop (L6, Creating) साहित्य कहानी, काव्य विधाओं के माध्यम से छात्रों का भावात्मकविकास करना।

CO3: Explain (L2, Understanding) छात्रों को संवाद कौशल्य, सूत्रसंचालन, समूहचर्चा की जानकारी देना

CO4: Develop (L6, Creating) हिंदी कंप्यूटिंग : यूनिकोड, इंटरनेट, हिंदी सॉफ्टवेयर का ज्ञान प्राप्तकरना।

2) Hindi : 2020-21 (FYBA-Hindi- G1) Semester- II

COURSE OUTCOMES:

CO1: Explain (L2, Understanding) छात्रोंको गद्य और पद्य रचनाकारों तथा विधाओंका परिचय प्राप्त कराना।

CO2: Develop (L6, Creating) साहित्य कहानी, काव्य विधाओं के माध्यम से छात्रों का भावात्मक विकास करना।

CO3: **Explain (L2, Understanding)** छात्रों को लेखनकौशल्य, निबंध लेखन की जानकारी देना।

CO4: Explain (L2, Understanding) विज्ञापन लेखन, वाक्य शुद्धिकरण का ज्ञान देना।



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3) Hindi : 2020-21 (SYBA-Hindi- G2) Semester- I

COURSE OUTCOMES:

CO1: Explain (L2, Understanding) छात्रों को गद्य और पद्य रचनाकारों तथा विधाओं का परिचय प्राप्त करना।

CO2: Develop (L6, Creating) साहित्य कहानी, काव्य विधाओं के माध्यम से छात्रों का भावात्मक विकास करना।

CO3: Explain (L2, Understanding) छात्रों को कारक व्यवस्था की जानकारी देना।

CO4: Explain (L2, Understanding) छात्रों को शब्द युग्म और संक्षेपण का ज्ञान देना।

4) Hindi : 2020-21 (SYBA-Hindi- G2) Semester- II

COURSE OUTCOMES:

CO1: Define (L1, Remembering) छात्रों को गद्य और पद्य व्यंग्य रचनाकारों तथा विधाओं का परिचय प्राप्त हुआ।

CO2: Explain (L2, Understanding) छात्रों को साक्षात्कार कला से परिचय कराना।

CO3: Tell (L1, Remembering) छात्रों को भाषा का मोबाईल तंत्र ज्ञान से अवगत किया।

CO4: Tell (L1, Remembering) छात्रों को पल्लवन कला से अवगत कराया।



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5) Hindi : 2020-21 (SYBA-Hindi-S1) Semester-I

COURSE OUTCOMES:

CO1: Define (L1, Remembering) काव्य की परिभाषा, काव्यके हेतु ,प्रयोजनका परिचय कराया ।

CO2: Tell (L1, Remembering) काव्य के तत्व का ज्ञान से अवगत कराया।

CO3: Define (L1, Remembering) काव्य के शब्दशक्ति से परिचित किया ।

CO4: Define (L1, Remembering) रस की परिभाषा, अंग तथा रसों का सोदाहरण परिचय कराया ।

6) Hindi : 2020-21 (SYBA-Hindi-S1) Semester-II

COURSE OUTCOMES:

CO1: Explain (L2, Understanding) काव्य के गद्य और पद्यभेद की जानकारी दी ।

CO2: Explain (L2, Understanding) प्रबंधकाव्य के भेद से अवगत कराया।

CO3: Explain (L2, Understanding) दृश्य काव्य- नाटक की परिभाषा और तत्व का परिचय कराया ।

CO4: Explain (L2, Understanding) एकांकी, नाटक के भेद के ज्ञान से अवगत कराया ।



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7) Hindi: 2020-21 (SYBA- Hindi SEC) Semester-I

COURSE OUTCOMES:

CO1: Explain (L2, Understanding) अनुवादकी परिभाषा और स्वरूप समझाना।

CO2: Show (L2, Understanding) अनुवाद प्रक्रिया के सोपान तथा सहायक सामग्री से अवगत कराना।

CO3 Translate (L2, Understanding) अनुवाद के गुण से परिचित कराना।

CO4: Explain (L2, Understanding) अनुवाद का प्रत्यक्ष व्यवहार के ज्ञान से अवगत कराना।

8) Hindi: 2020-21 (SYBA- Hindi SEC) Semester-II

COURSE OUTCOMES:

CO1: Define (L1, Remembering) माध्यम लेखन और माध्यम विधा का परिचय कराना।

CO2: Define (L1, Remembering) माध्यम का स्वरूप, महत्व एवं उद्देश्य के ज्ञान से अवगत कराना।

CO3: **Define (L1, Remembering)** फिचर लेखन, फिचर लेखन के तत्व, गुण आदि का परिचय देना।

CO4: Define (L1, Remembering) फिचर के प्रकार तथा अन्य विधा के ज्ञान से परिचित कराना।



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9) Hindi : 2020-21 (SYBA-Hindi S2) Semester-I

CO 1: Develop (L6, Creating) हिंदीउपन्यास के विविध मानदंडों के आधार पर छात्रों में आस्वादन, समीक्षण एवं सृजन कीक्षमता निर्माण करना।

CO 2: Develop (L6, Creating) छात्रों में रोजगार की दृष्टिसे नाटक लेखन, रंगमंचीय कला तथा नाट्य सादरीकरण की क्षमता को विकसित करना।

CO 3: Define (L1, Remembering) मध्ययुगीन संत एवं भक्तकवियों के काव्य के माध्यम से छात्रों को नैतिक मूल्यों सीख देना एवं उनमेंसामाजिक प्रतिबद्धता का निर्माण करना।

CO 4: Build (L3, Applying) छात्रों के मानसिक तथा वैचारिकस्तर को बढ़ाना।

10) Hindi : 2020-21 (SYBA-Hindi S2) Semester-II

CO 1: Develop (L6, Creating) हिंदीनाटक के विविध मानदंडों के आधार पर छात्रों में आस्वादन, समीक्षण एवं सृजन कीक्षमता निर्माण करना।

CO 2: Define (L1, Remembering) मध्ययुगीन संत एवं भक्तकवियों के काव्य से छात्रों को परिचित कराना।

CO 3: Discuss (L6, Creating) मध्ययुगीन काव्य के माध्यम सेछात्रों को नैतिक मूल्यों की परख कराना एवं उनमें सामाजिक प्रतिबद्धता कानिर्माण करना।

CO 4: Support (L4, Evaluating) छात्रों के मानसिक तथावैचारिक स्तर को बढ़ाना।



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11) Hindi MIL: 2020-21 (SYBA- हिंदी भाषा शिक्षण) Semester-I

CO 1: Define (L1, Remembering) हिंदी भाषा विधि तथा भाषा व्यवहार से अवगत कराना।

CO 2: Improve (L6, Creating) छात्रों में हिंदी भाषा कौशल (लेखन, वाचन, श्रवण संवाद /संप्रेषण) का विकास करना।

CO 3: Develop (L6, Creating) छात्रों में हिंदीलघु कथा साहित्य सृजन कौशल विकसित करना।

CO 4: Build (L3, Applying) छात्रों में व्यवसायभिमुख कौशलविकसित करना तथा सामाजिक व्यवहार में छात्रों को कुशल बनाना।

12) Hindi MIL: 2020-21 (SYBA- हिंदी भाषा शिक्षण) Semester-II

CO 1: Simplify (L4, Analyzing) छात्रों को हिंदी भाषा विधि तथा भाषा व्यवहार से अवगतकराना।

CO 2: Improve (L6, Creating) छात्रों में हिंदी भाषा कौशल (लेखन, वाचन, संवाद, श्रवण/संप्रेषण) का विकास करना।

CO 3: Develop (L6, Creating) छात्रों में हिंदी काव्य/फिल्मी गीत सृजन की कला विकसित करना।

CO 4: Build (L3, Applying) छात्रों में व्यवसायभिमुख कौशलविकसित करना।

13) Hindi : 2021-22 (TYBA- हिंदी साहित्य काइतिहास प्रथम सत्र

CO 1: Simplify (L4, Analyzing) छात्रों को हिन्दी साहित्य के इतिहास लेखन, विविध कालखंडों एवंपृष्ठभूमि सरलता से स्पष्ट कराना।

CO 2: Explain (L2, understanding) हिन्दी साहित्य कीप्रतिनिधी रचनाओं और रचनाकारों का महत्व विशद करना



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तथा उनके माध्यम से जीवनमूल्यों की परख करना।

CO 3: Develop (L6, Creating) हिंदी साहित्य के प्रति अभिरुची निर्माण करना।

CO 4: Develop (L6, Creating) छात्रों में हिंदी साहित्य के माध्यम से नैतिक तथा व्यावहारिक मूल्यों की उपज करना।

14) Hindi : 2021-22 (TYBA- हिंदी साहित्य का इतिहास)द्वितीय सत्र

CO 1: Define (L1, Remembering) छात्रों को हिन्दी साहित्य इतिहास की आधुनिक की पृष्ठभूमि से अवगत करना।

CO 2: Motive (L4, Analyzing) आधुनिक काल के काव्य एवं कवियों का परिचय कराकर छात्रों के सामने आदर्श प्रस्थापित करना तथा उन्हें नैतिकमूल्यों की सीख देना।

CO 3: Plan (L3, Applying) छात्रों को हिंदी काव्य, कहानी- उपन्यास एवं नाट्य लेखन की ओर प्रवृत्त करना।

CO 4: Develop (L6, Creating) हिंदी भाषा एवं साहित्य के प्रति छात्रों में अभिरुची निर्माण करना।

15) Hindi: (TYBA- Hindi-S4) Semester-I

COURSE OUTCOMES:

CO1: Explain (L2, understanding) काव्य का अर्थ, परिभाषाओं की जानकारी से अवगत करना।

CO2: Define (L1, Remembering) काव्य के हेतु, काव्य प्रयोजन, काव्य के तत्व से परिचित करना।

CO3: Explain (L2, understanding) शब्दशक्ति, काव्य के विविध भेद के ज्ञान से अवगत करना।



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CO4: Define (L1, Remembering) अलंकार का स्वरूप, काव्यमें अलंकार का महत्व तथा सोदाहरण परिचय कराना।

16) Hindi: (TYBA- Hindi-S4) Semester-II

COURSE OUTCOMES:

CO1: Define (L1, Remembering) कहानी, उपन्यास, निबंध, रेखाचित्र का परिचय कराना।

CO2: Define (L1, Remembering) एकांकी और नाटक की परिभाषा, तत्व, नाटक के भेद का परिचय कराना।

CO3: Define (L1, Remembering) रस की परिभाषा, स्वरूप, रस के अंग परिचय कराना।

CO4: Explain (L2, understanding) आलोचन का स्वरूप, उद्देश्य, आलोचक के गुण और काव्य में छंद का महत्व समझाना।

17) कथेतर विधाएं)संस्मरण और रेखाचित्र(

TYBA Hindi Gen. Paper 3 (2021-22) प्रथम सत्र

CO 1: Solve (L6, Creating) छात्रों को हिंदीसंस्मरण और रेखाचित्र विधा से परिचित कराना तथा लेखन कला में पारंगत करना।

CO 2: Build (L3, Applying) छात्रों में विभिन्न संस्मरण तथा रेखाचित्रों के द्वारा उनके 'उज्ज्वल भविष्य' के लिए प्रेरित करना।

CO 3: Explain (L2, understanding) छात्रों को हिंदीसंस्मरणकार, रेखाचित्रकारों से परिचित कराना।

CO 4: Develop (L3, Applying) छात्रों में वार्ता लेखन सभाइतिवृत्त लेखन कौशल में कुशल बनाना।



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18) गजल विधा और पत्राचार

TYBA Hindi Gen. Paper 3 (2021-22) द्वितीय सत्र

CO 1: Improve (L6, Creating) हिंदी गजल के विविध मानदंडों के आधार पर छात्रों में आस्वादन, समीक्षण एवं सृजन की क्षमता निर्माण करना।

CO 2: Develop (L3, Applying) छात्रों को गजल विधा से परिचित करना।

CO 3: Define (L1, Remembering) छात्रों को सरकारी पत्र लेखन की कला से अवगत कराना तथा पत्र लेखन में पारंगत कराना।

CO 4: Criticize (L5, Evaluating) छात्रों में मूल्यांकन तथा समीक्षण की दृष्टि निर्माण करना।

19) FYB.Com. Hindi- Semester-I

COURSE OUTCOMES: Hindi

CO1: Explain (L2, understanding) छात्रों को गद्य और पद्य रचनाओं एवं रचनाकारों का परिचय देना।

CO2: Build (L3, Applying) छात्रों का साहित्य के द्वारा सामाजिक, मानसिक, बौद्धिक स्तर बढ़ाना और उन्हें नैतिक मूल्यों की सीख देना।

CO3: Define (L1, Remembering) छात्रों को अंक तथा गणितीय चिन्हों का देवनागरी में लेखन का ज्ञान प्रदान करना।



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CO4: Explain (L2, understanding) रोजगार की दृष्टि से छात्रों को हिंदी कंप्यूटिंग: यूनिकोड, इंटरनेट, विभिन्न हिंदी सॉफ्टवेयर आदि का परिचय कराना।

20) FYB.Com. Hindi- Semester-II

COURSE OUTCOMES:

CO1: Explain (L2, understanding) छात्रों को गद्य और पद्य रचनाओं एवं रचनाकारों का परिचय देना।

CO2: Discuss (L 6, Creating) वाणिज्य क्षेत्र में हिंदी के माध्यम से उपलब्ध होने वाले रोजगार के अवसर स्पष्ट करना।

CO3: Explain (L2, understanding) छात्रों को हिंदी भाषा कौशल, अनुवाद स्वरूप, परिभाषा तथा कार्यालयीन हिंदी का ज्ञान देना।

CO4: Build (L3, Applying) छात्रों का साहित्य के द्वारा सामाजिक, मानसिक, बौद्धिक स्तर बढ़ाना और उन्हें नैतिक मूल्यों की सीख देना।

21) TYBA Hindi Spl. Paper SEC (Semester I) 2021-22

पटकथा लेखन (पंचम अयन)

CO1: Explain (L2, understanding) छात्रों को पटकथा लेखन से अवगत कराना।

CO2: Build (L3, Applying) रोजगार की दृष्टि से छात्रों को फिल्म तथा अन्य माध्यमों के लिए पटकथालेखने में पारंगत करना।

CO3: Discuss (L 6, Creating) छात्रों को पटकथा, संवाद, ड्राफ्ट, प्लॉट, वनलाईनर, शॉर्ट फिल्म, चलचित्र, वृत्तचित्र, दृश्य-श्राव्य माध्यम आदि से अवगत करना

CO 4: Motive (L4, Analyzing) छात्रों को फिल्मों में साहित्य का परिचय कराकर उन्हें पटकथा लेखन के लिए प्रेरित करना।



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

22) TYBA Hindi Spl. Paper SEC (Semester II) 2021-22

साहित्य और फिल्मों का अंतरण

- CO 1: Build (L3, Applying)
CO 2: Discuss (L 6, Creating)
CO 3: Explain (L2, understanding)
CO 4: Motive (L4, Analyzing)

छात्रों को सिनेमा के स्वरूप से परिचित कराना तथा उनमें फिल्म निर्माण का कौशल निर्माण करना।
हिंदी साहित्य, सिनेमा तथा समाज के परस्पर संबंध से छात्रों को अवगत कराना।
छात्रों को फिल्मों के साहित्य का परिचय देना।
सामाजिक तथा उद्देश्यपूर्ण फिल्मों के माध्यम से छात्रों को प्रेरणा देना।



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

DEPARTMENT OF ECONOMICS

<i>UG</i>	Program Specific Outcomes	The Program Specific Outcomes of the BA Economics programme are:
		PSOs 1: To provide students a well-founded education in Economics;
		PSOs 2: To provide structured curricula which support the academic development of students.
		PSOs 3: To provide and adapt curricula that prepare our graduates for employment and further study as economists;
		PSOs 4: To provide the students with the opportunity to pursue courses that emphasize quantitative and theoretical aspects of Economics;
Class	Course	Course Outcomes
F.Y.B.A. 2019 Pattern	Indian Economic Environment I Course Code – 11151	Co 1. To familiarize the students with the recent developments in the Indian Economy
	Semester-I	Co 2 Ability to develop awareness on the various new developments in the different sectors of an economy – agriculture, industry, services, banking.
	Course Code – 11151	Co3 Ability to compare and contrast Indian Economy with other world economy.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		Co 4. To able discuss and debate on the various issues and challenges facing the Indian Economic Environment.
F.Y.B.A. 2019 Pattern	Indian Economic Environment-II	Co 1. After completion of program, students will be able to have in-depth knowledge of the Developing Economy.
	Course Code – 11152	Co2. Students will be get aware with the Role of Agriculture in Indian economy, Industrialization and Service Sector.
	Semester-II	Co 3. After completion of program, students will be able to have in-depth knowledge the Indian Economic Environment.
		Co 4. To able discuss on the various issues and challenges of the Indian Economic Environment.
S.Y.B.A. Economics Semester-I	Economics (Micro) -I Course Code - 23151	Co 1. To develop an understanding about subject matter of Economics.
		Co 2. To impart knowledge of microeconomics.
		Co 3. To clarify micro economic concepts
		Co.4 To analyze and interpret charts, graphs and figures
S.Y.B.A. Economics SI	Economics (Micro) -II Course Code - 24251	Co 1. To understand the behavior of an economic agent.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

Semester-II		Co 2. To deal with the nature and scope of economics, the theory of consumer behavior.
		Co 3. To analyze the principles of factor pricing and commodity pricing.
		Co 4. To demonstrate that the theories discussed in class will usually be applied to real-life situations.
SYBA S-2 2019	Macro Economics I Course Code 23152	Co 1 Understand process of credit creation by commercial banks.
Semester-I		Co 2. Understand Quantity theory of money.
		Co 3. Understand various macroeconomic problems.
		Co 4. Understand various macroeconomic policies.
SYBA S-2 2019	Macro Economics II Course Code 24152	Co 1. Understand macro-economic analysis
Semester-II		Co 2. Understand of national income
		Co 3. Understand classical & Keynesian theories of output and employment.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		Co 4. Understand consumption & Investment function
S.Y.B.A G2 2019	Financial System - I(G2) Course code 23153	Co1. To understand fundamentals of Indian financial system.
Semester-I		Co2. To understand the recent trends and developments in banking system.
		Co 3.To understands 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.
S.Y.B.A G2 2019	Financial System - II(G2) Course Code 24153	Co 1. Understand non-banking financial institutions & financial services in India
Semester-II		Co 2. Understand the Indian money market.
		Co3. Understand working & operation of RBI.
		Co 4. Able to understand international aspects of the Indian financial system.
SYBA SEC	Research Methodology I	Co 1. Demonstrate his/her understanding of sampling methods and the ability to use collection of data.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

Skill	Semester-I	Co 2. Identify the appropriate sample techniques for different kinds of research questions.
Enhancement	Course Code 23154	Co 3. Identify the appropriate source of data in relation to the collection of research data.
Course		Co 4. Able to classify and present the collected data in the form of graph bar diagram, chart etc.
SYBA SEC	Research Methodology II	Co 1. Able to Identify the appropriate sample techniques for different kinds of research questions
Skill	Semester-II	Co 2. Able to Identify the appropriate source of data in relation to the collection of research data.
Enhancement	Course Code 24154	Co 3. Able to classify and present the collected data in the form of graph, bar diagram, chart etc.
Course		Co 4. To analyze the research report
T.Y.B.A. – S3	International Economics (S3)	Co 1. Understand Nature, Scope and Importance of International Economics.
	Course Code 35151	Co 2 To acquaint the students with the basic theories of international trade and international economics.
	Semester-I	Co 3. Understand gains from international trade & their measurements.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		Co 4. Understand theory of intervention in trade.
T.Y.B.A. – S3	International Economics S 3	Co 1. Understand trade policies in India.
	Course Code 36152	Co 2. Understand international financial institutions.
	Semester-II	Co 3. Understand foreign direct investments.
		Co 4. To analyze foreign exchange market.
T.Y.B.A. – S4	Public Finance S4	Co 1.To Understand Functions and Role of Government in Economy.
	Course Code 35152	Co 2. To understand various Approaches about Role of Government.
	Semester-I	Co 3. To Understand concept of public expenditure and public revenue
		Co 4. To discuss and deliberate on the concepts and theories in public economies
T.Y.B.A. – S4	Public Finance S4	Co 1.To explain types of Public Expenditure and reasons for rising Public Expenditure.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	Course Code 36152	Co 2.To explain the types of Public Debt and its effects.
	Semester-II	Co 3 To get acquainted with the vast areas of fiscal institutions tax systems,
		Co 4. To able to have in-depth knowledge of the term 'Public Finance'
T.Y.B.A G3	Indian Economic	Co 1. Understand the differences between Economic growth and Development.
	Development I	Co 2. Understand Characteristics of Developing Countries.
	Semester-I	Co 3. Understand Constraints on Development Process.
	Course Code 35153	Co 4. Understand theories and Approaches of economic development.
T.Y.B.A G3	Indian Economic	Co 1. To relates and recognizes the concept and indicators of Economic Development.
	Development I	Co 2. To describe and analyses the concept and indicators of Human Development.
	Semester-II	Co 3.To explain the characteristics of Developing and Developed Countries.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	Course Code 36153	Co 4. To describe the constraints to the process of Economic Development.
T.Y.B.A. SEC	Business	CO 1. Management of Business.
	Management	CO 2. Business planning and decision making
	Semester-I	CO 3. Leadership Skills- Ability to work in teams at the same time.
	Course Code 35154	Co 4.To ability to show leadership qualities
T.Y.B.A. SEC	Business	Co 1. Ability to analyze data collected and interpret in the most logical manner
	Management	Co 2. Ability to comprehend and illustrate/demonstrate findings
	Semester-II	Co 3. PPT/Poster- Ability to illustrate findings in the most appealing manner
	Course Code 35154	Co 4.Ability to show leadership skills with business ideas or work on business ventures as a practical example
F.Y. B. Com.	Business Economics (Micro) -I	Co 1. To impart knowledge of business economics.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	Course Code - 113	Co 2. To clarify micro economic concepts.
	Semester-I	Co 3. To analyses and interpret charts and graphs.
		Co 4. To understand basic theories, concepts of micro economics and their application.
F. Y. B. Com	Business Economics (Micro) –II	Co 1. To impart knowledge of business economics.
	Course Code - 123	Co2. To clarify micro economic concepts.
	Semester-II	Co 3. To analyze and interpret charts and graphs.
		Co4. To understand basic theories, concepts of micro economics and their application.
S.Y.B.Com	Business Economics (Macro)	Co 1.To familiarizes the students to the basic theories and concepts of Macro Economics and their application.
	Course Code: 233	Co 2.To studies the relationship amongst broad aggregates.
	Semester - I	Co 3.To imparts knowledge of business economics.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		Co.4. To introduce the various concepts of National Income.
S.Y.B.Com	Business Economics (Macro)	Co 1. To familiarize to the basic theories of Macro Economics and their application.
	Course Code: 243	Co 2.To understands the theories of money and their application.
	Semester - II	Co 3.To understands the phases of Trade cycle and policy measures to elongate the Trade cycle.
		Co 4.To understands the various concepts related to public finance.
T.Y.B.Com	International	Co 1. To understand theories of international trade, developing writing skills.
	Economics	Co 2. To understand concepts of international economics
	Course Code - 353	Co 3.To explains and comprehend the issues relating to Terms of trade and Balance of Payment.
	Semester - I	Co 4. To understand the difference between classical and modern approaches of trade theories.
T.Y.B.Com	International	co1. Ability to relate and explain the concept of Exchange Rate and Foreign Exchange Market.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	Economics	Co 2. Ability to describe the trends in Growth, Composition and Direction of India's Foreign Trade.
	Course Code - 363	Co 3. Ability to comprehend the issues relating to Foreign Capital and Regional and International Co-Operation.
	Semester - II	Co 4. To able to understand present Economic Scenario of Indian Economy as well as World Economy.
Bridge Course in Economics	Basic concepts of Economics	Co 1. The course enabled students to apply knowledge of basic theories of economics in core subject of microeconomics, macroeconomics.
		Co 2. Students learned classroom skills for college level courses in economics
		Co 3. It enhanced critical thinking and self-confidence through class experience.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

DEPARTMENT OF POLITICAL SCIENCE

UG	Program BA Political science	
	Program Specific outcome	PSO 1 .Students enable to understand the philosophy of Indian constitutions
		PSO 2 .Perpose(L6 creating)Students enable to identify the causes, impact of British colonial rule
		PSO 3 .Students enable to appreciate the various phases of Indian national movement
		PSO 4 Explaining Students enable to create value in young youth regarding the patriotism
	Course outcomes FYBA (CBCS-2019	
	Introduction to Indian Constitution	CO1.Understanding (L2Understanding) THE Philosophy of Indian constitution
		CO 2 Understanding(L2Understanding) the sub- disciplines of political science
		CO3 (L2Understanding)Explaining Democracy and state
		CO4. understanding (L2Understanding)the making of Indian constitution
	Course outcomes SYBA (CBCS-2019	
	SYBA (S2) In Introduction to political ideology	CO1 .Explain(L2Understanding) Students enable to understand the nature and scope of political Ideology
		CO2 Explain(L2Understanding)Students enable to understand the significance of political Ideology



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		CO3 Purpose(L6 creating) Role of different political ideologies and their impact in politics
		CO4.Define (L 1Remembaring) Students enable to acquaint with the theories, approaches, concepts and principles of political theory
	SYBA (S1) Western Political Thought	CO1.S0lve (L 3Applying) Examining the features of medieval political thought
		CO2 Compare(L6Analyzing) the concepts of justice, freedom, equality, citizenship, and sovereignty in the works of Machiavelli
		CO3 Explain(L2,Understanding) The different versions of, and importance of, the state of nature to political thought
		CO4 Discuss(L6, Creating) Taking an insight into the following Hegel's on view civil society and state
	SYBA S2 Political Journalism	CO1 Compare(L4 Analyzing) Understanding of the basic factors affecting mass communication and mass media
		CO 2.Explain (L 2 understanding)Students will understand mass media as a system of interrelated forces
		C0 3.Explain (L2Understanding)To increase students' knowledge and understanding of the mass communication process and the mass media industries.
		CO4 To understand (L2Understanding)the concept of advertising origin and development
	TYBA G3 Local Government in Maharashtra	CO1 Identify (L3Applying) Student enables to understand the role of different political Ideologies and their impact in Politics



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		CO2.Explain (L 2 understanding)Students enable to explain the role of British imperial on local government in India
		CO 3.(L2Understanding)Students enable to describe the significance and role of GramaSabha in Maharashtra.
		co 4 describing and Analyzing political and social movement in Maharashtra
	TYBA S3 Public Administration	CO1. Explain(L2Understanding)Students enable to understand the 20th century emergence of the modern administrative
		CO2.Explaining(L2Understanding)the Nature, Scope and Evolution of public Administration Private and Public Administration
		CO3.Discuss(L6, Creating) Discussing making of Public Police Making And Methods of implementation
		CO4.Analyze (L 4Analyzing)the Administrative Processes decision making communication and control ,leadership ,co-ordination
	TYBA International Politics (S-4)	CO1. Compare(L4 Analyzing)Examining the issues of underdevelopment, Terrorism, Regionalism and Integration that characterizes the second world war order
		CO 2 Discuss (L6, Creating) Describing the cold war phases and understanding the post-Cold war era.
		CO3 Explain (L 2 understanding)Explainingcertainbasic concept like Globalization in contemporary world order
		CO 4 Compare(L4 Analyzing) Analyzing the Foreign Policy of USA and China



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	Program BA Political science SEM-2	PSO 1 :Explaining(L2Understanding)Understand the basic concept and ideological orientations of political science discipline
	Program outcome	PSO2 Explaining(L2Understanding)Understand the contribution of the main traditions of Indian Political Thought
		PSO 3: Explaining(L6 creating)Acquaint with the basic concepts, principles and dynamics of public administration
		POS 4 Explaining(L2Understanding)Understand the contribution of the main traditions of western political thinkers to political thought
	Introduction to Indian Constitution II	CO 1 Introduction L1 The Indian Constitution with the focus on the role of the constitution Assembly and examining the essence of the preamble
		co 2 Examining (L6 creating) the fundamental rights and Duties of Indian citizen with the study of Directive principals
		co 3 Evaluating (L6 creating)The Electoral process in India with focus on the Election commission composition function and Role
		co 4 Evaluating (L6 creating)the role of the various factors of Indian politics , Religion, Language, Cast, Tribe, Regionalism
	SYBA (S2) In Introduction to political ideology	CO11. Discuss(L6, Creating) Role of different political ideologies and their impact in politics
		CO2. Discuss(L6, Creating) Close link between an idea and its actual realization in public policy
		CO 3.Discuss(L6, Creating) Legacy of all the major ideologies
		CO4 Introduction L1 Role of different) political ideologies and their impact in politics



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	SYBA (S1) Western Political Thought	CO 1 Understanding (L2Understanding)the concept of power , Authority and legitimacy in context of society
		CO 2 Analyze (L 4Analyzing)Analyze the concept of sovereignty of the state
		CO3 Understanding(L2Understanding) political concept , mining of having and using power Authority
		CO 4 Understanding (L2Understanding) Harold Laski Theory of Rights which includes Liberty and importance of independence.
	SYBA S2 Political Journalism	CO 1 Understand (L2Understanding) and use effectively the various models of communication and the techniques used in communication.
		CO 2 (L2Understanding) students gets ability to know the function of Editorial department
		CO 3 (L2Understanding) They get knowledge of the various Function and role of journalism in Radio.
		CO 4 (L2Understanding)students get the knowledge of relation between media and society
	TYBA G3 Local Government in Maharashtra	CO 1 Understanding (L2Understanding)historical background of local self-government
		CO 2 examining (L6 creating)the institution of rural and urban local self-government
		CO 3 Discussing(L6, Creating) the constitutional amendments and challenges before local self-government
		CO 4 describing(L6, Creating) and Analyzing Neo movement in Maharashtra



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	TYBA S3 Public Administration	CO 1 Explaining (L6 creating)the nature, scope of evolution of public Administration and private Administration
		CO 2 Discussing (L6, Creating) the Ecological approach to public Administration
		CO 3 Discussing (L6, Creating) making of public police making and methods of implementation
		CO 4 Examining (L6 creating) the institution of financial Administration in India
	TYBA International Politics (S-4)	CO 1 Explaining (L6 creating)The Scope and subject matter of International Relations
		CO 2 Autonomous academic discipline , Nuclear ,Device in any environment and comprehensive TEST BAN Treaty (CTBT)
		CO 3 Discuss(L6, Creating) Evaluating the working of UN its organization peacekeeping function and Human Rights
		CO 4 Describing(L6, Creating) the cold war phases and understanding the post -cold war era
	SYBA SECSEM- III Basic of Indian constitution	CO1. Identify (L3Applying) To Information The Student about the making of the constitution
		CO2. Explain (L 2 understanding) Student Understanding and the subject of the constitution assembly
		CO3. examining (L6 creating) To Explain the salient feathers of the Indian constitution to the student
		CO 4. describing(L6, Creating) Student Understanding the fundamental rights of India



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	SYBA SEM –IV	CO 1. Identify (L3Applying To Inform student about the concept and nature of fundamental duties.
		CO 2. . Explain (L 2 understanding) To Information Student about The Importance and nature of basic duties.
		CO -3. examining (L6 creating)Student understanding about the guideline principal of state policy in the constitution
		CO -4. describing(L6, Creating) Student Understanding The Importance principal of state policy
	TYBA G3 SEM –V local self-government in Maharashtra	CO1 Identify (L3Applying) Student enables to understand the role of different political Ideologies and their impact in Politics
		CO2.Explain (L 2 understanding)Students enable to explain the role of British imperial on local government in India
		CO 3.(L2Understanding)Students enable to describe the significance and role of Gram Sabha in Maharashtra.
		co 4 describing and Analyzing political and social movement in Maharashtra
		CO1 Identify (L3Applying) Student enables to understand the role of different political Ideologies and their impact in Politics
	TYBA G3 SEM VI local self-government in Maharashtra	Co.1 Understanding (L2Understanding)historical background of local self-government
		Co. 2 examining (L6 creating)the institution of rural and urban local self-government



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		Co.3 Discussing(L6, Creating) the constitutional amendments and challenges before local self-government
		Co. 4 describing(L6, Creating) and Analyzing Neo movement in Maharashtra
	TYBA SEC SEM-V samyukta Maharashtra movement	Co.1 Understanding (L2Understanding) To Inform the students about the rethinking of bilingual Mumbai state
		Co.2 Identify (L3Applying) To Information Student about Territorial dispute and its nature
		Co.3 examining (L6 creating)student under student about sub regional dispute in Maharashtra and its emergency
	TYBA SEC sem –vi samyukta Maharashtra movement	Co.1 Understanding (L2Understanding)To inform student about the rethinking of bilingual Mumbai
		CO.2.Explain (L 2 understanding) Student under student about sub regional dispute in Maharashtra and its emergence t
		Co.3 Discussing(L6, Creating) Information about student marathwada development movement
		Co.4 examining (L6 creating)student under student about sub regional dispute in Maharashtra and its emergency



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

DEPARTMENT OF HISTORY

Sem I	FY BA	2019 Pattern
Early India from prehistory to the age of mauryas.	CO 1: (Evaluating) it describes importance of prehistory to the age of mauryas.	
Course Code: 11172	CO 2: (Understanding) to explain Vedic culture tribal social division and its philosophy.	
	CO 3: (Creating) to discuss the history of mauryas and rise and growth of Mughal Empire.	
	CO 4: (Remembering) to show the causes of origin doctor rhymes contribution and importance of Vedic culture.	
Sem II	FY BA	2019 Pattern
	CO 1: (Understanding level 2) To explain the history of South India like literary society culture and early Politics.	
Early India:Post Mauryan age to the Rashtrakulas	CO 2: (Creating level 6) to explain the fact about Gupta Empire as well as its political history administration society and trade technology.	
Course Code: 12172	CO 3: (Evaluating level 3) it gives the importance about history about regional kingdoms and North India Empire.	
	CO 4: (Evaluating level 4) took a history of South India and regional kingdoms and periods of Sangam literature.	



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

Sem I	SYBA	2019 Pattern
History of Maratha's	CO 1: (Analysing level 1) to analyse sources of Maratha history and to develop ability regarding with it.	
Course Code: 23174	CO 2: (Remembering level 2) to define the significance of regional history and political foundation of region.	
	CO 3: (Creating level 3) to discuss the perception of 17 century Maharashtra and India in the context of Maratha history.	
	CO 4: (Evaluating) to appraise the skills of leadership and administrative system of Maratha.	
Sem II	SYBA	2019 pattern
History of Maratha's	CO 1: Student will be able to analyze (Level 1) the Marathas policy of expansionism	
	CO 2: To understand (level 2) the role of Marathas in 18 th century India.	
Course Code: 24174	CO 3: To acquaint (level 1) with the art of diplomacy in the Deccan region.	
2019 Pattern		TYBA
Course Code: 35174 Indian National Movement (1885-1947) (Sem.V)	CO 1: To aware the students about the making of Modern India and the struggle for independence.(L3)	
	CO 2: To identify the ideas, institutions, forces and movements that contributed to be shaping of Indian Modernity.	
	CO3: To acquaint the students with various interpretative perspectives.	



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Course Code: 36174 India after Independence (1947-1991) (Sem.VI)	CO 4: To extend level 2 the knowledge of Modern India
	CO 1: To Introduce the students about multi dimensionality of Modern India level 2
	CO 2: To identify the ideas, institutions, forces and movements that contributed to be shaping of Indian Modernity.
	CO3: To extend level 2 the knowledge of Modern India
	CO 4: To extend level 2 to the knowledge of various interpretative and analytical perspectives.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

DEPARTMENT OF GEOGRAPHY

YEAR 2020-21 B. A. Geography

Semester I

Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
110A	Physical Geography	1	Know the basic concepts in Physical geography
		2	Students will understand the utility and application of Physical geography in different regions and environment.
		3	Students will be aware about Earth system (Lithosphere, Atmosphere, Biosphere and Hydrosphere)
		4	Define (L1:Remembering) Hydrosphere structure in environment

Semester II

Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
110B	Human Geography	1	The geographical maturity of students in their current and future courses shall develop.
		2	The student develops theoretical, applied and computational skills
		3	To introduce latest concept in Human geography



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		4	To make the students aware about human evaluation
Semester III			
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
	Environmental Geography: I (G-2)	1	To create the awareness about dynamic environment among the student.
		2	TTto acquaint the students with fundamental concepts of environment geography for development in different areas.
23204		3	The students should be able to integrate various factors of economic development and dynamic aspect of economic geography.
		4	To make aware the students about the problems of environment, their Utilization and conservation in the view of sustainable development
Seme. IV			
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
24204	Environmental Geography II (G-2)	1	Understand and evaluation of Environment Disaster and its impact
		2	Environmental Problems



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		3	Environmental planning and Managements Environmetal policies
		4	
Seme III			
Course Code	Course Name	Course Outcome	
23202	Population Geography I Spl.1	1	To provide an understanding of spatial and structural dimensions of population
		2	To familiarizing the students with global and regional level problems.
		3	Understand the Nature and Scope of Population Geography and their evolution significance and approaches for the study.
		4	To understand the fundamental Concepts Related to Population such as density, over, Optimum & under population, fertility, mortality and population for future Perspectives.
Seme. IV			
Course Code	Course Name	Course Outcome	After successful completion of course student will able to
24202	Population	1	Understand the population Composition of India



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	Geography II: Spl1	2	Understand and evaluation of concept and theories of Population
		3	Understand and examine Population as a Resources and Contemporary issues
		4	To review and understand the subject Urbanization and its impact on Population and environment.
Semester III			
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
23203	Map Scale and Projection I: Spl.2	1	Understand the introduction of types of statistical and characteristics geographical data, Scales of measurement.
		2	Understand Construction, properties and use of map projections
		3	Understand Various methods of graph presentation
		4	Understand Map projection and importance
Semester IV			
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
24203	Map Scale and Cartographic II: Spl2	1	Understand introduction to Cartographic techniques
		2	Understand and know about various cartographic techniques in geography
		3	Understand various survey techniques in geography
		4	Understand and know about Excursion / village/city survey and report writing



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Semester III			
Course Code	Course name	Course Outcomes	After successful completion of course student will able to
	SEC : Disaster Managements	1	Know the concept of disaster and its relation with Geography.
23207		2	Discuss causes and effects of disaster. 3 Classify various types of disasters
		3	Understand terminology and concepts used in disaster management.
		4	Classify various types of disasters
Seme IV			
Course Code	Coursrse name	Course Outcomes	After successful completion of course student will able to
24207	SEC : Tourism Development	1	Introduction to Travel and Tourism
		2	Understand Potential of local tourism and available infrastructure
		3	Know about Basic skills: Communication, Time Management, Computer
		4	Project work and Visit to tourist place.
TYBA 2019 Pattern			
	Course Outcome		After successful completion of course student will able to
		Geography of Disaster Management : I G-.3 Code-35204	Know the concept of disaster and its relation with Geography.



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			Know the concept of disaster and its relation with Geography.
			Know the concept of disaster and its relation with Geography.
			Know the concept of disaster and its relation with Geography.
		Geography of Disaster Management : - II, G-.3 Code-36204	Students understand geographical disasters and its managements
			Students understand geographical disasters and its managements
			Students understand geographical disasters and its managements
			Students understand geographical disasters and its managements
TYBA 2019 Pattern			
		Course Outcome	
		Geography of India : I Spl.3 Code-35201	Understand the approaches to the study of various aspect of Geography
			Understand the approaches to the study of various aspect of Geography
			Understand the approaches to the study of various aspect of Geography
			Understand the approaches to the study of various aspect of Geography



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		Geography of India : - II Spl.3 Code-36201	Students understand transport and communication methods
			Students understand transport and communication methods
			Students understand transport and communication methods
			Students understand transport and communication methods
TYBA 2019 Pattern			
		Course Outcome	
		Techniques of Spatial Analysis -I, S-4 35203	Understand the Students with SOI Top sheets and to acquire the Knowledge of Top sheet Reading/Interpretation.
			Understand the Students with SOI Top sheets and to acquire the Knowledge of Top sheet Reading/Interpretation.
			Understand the Students with SOI Top sheets and to acquire the Knowledge of Top sheet Reading/Interpretation.
			Understand the Students with SOI Top sheets and to acquire the Knowledge of Top sheet Reading/Interpretation.
		Techniques of Spatial Analysis -II, S-4 Code-36203	Students understand various statistical techniques in geography



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			Students understand various statistical techniques in geography
			Students understand various statistical techniques in geography
			Students understand various statistical techniques in geography
		SEC Research Methodology- I Code-35206	Understand research methods in geography
			Understand research methods in geography
			Understand research methods in geography
			Understand research methods in geography
		SEC Research Methodology –II Code-36206	Students understand the characteristic of good research design
			Students understand the characteristic of good research design
			Students understand the characteristic of good research design



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			Students understand the characteristic of good research design
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DEPARTMENT OF PHYSICS

UG	Program: B.Sc. Physics	
	Program Outcomes	PO-1. To develop understanding of various aspects of chemical, physical and life science.
		PO-2. Use of advance techniques, methods, modern equipment's and software's and Solve the problem to find the logical conclusions
		PO-3. Selection of multidisciplinary approach for sustainable development.
		PO-4. Develop critical thinking and specific knowledge to design record and analyze results of theoretical and experimental concepts.
		PO-5. Social Interaction
	Program Specific Outcomes	PSO-1. Gain the knowledge of Physics through theory and practical's.
		PSO-2. Understand good laboratory practices and safety.
		PSO-3. Develop research oriented skills.
		PSO-4. Make aware and handle the sophisticated instruments/equipments
	Course Outcomes F.Y.B.Sc. (CBCS- 2019)	
	PHY-111 Mechanics and Properties of Matter	CO-1[L2, Understanding]. The student will be able to understand motion
		CO-2[L4, Analyzing]. The student understands the importance of Work and Energy



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		CO-3[L1, Remembering] The student knows Concept of viscous force and viscosity.
		CO-4[L6, Creating] Discuss the concepts of properties of matter.
	PHY- Physics Principles And Applications.	CO-1[L2, Understanding]. To demonstrate an understanding of electromagnetic waves and its spectrum.
		CO-2 [L1, Remembering]. Understand the types and sources of electromagnetic waves and applications.
		CO-3 [L6, Creating]. To Describe the structure of atom and spectrum of hydrogen atom
		CO-4[L4, Analyzing]. To Analyze the bonding mechanism and it's different types.
	PHY-Heat and Thermodynamics	CO-1[L2, Understanding].The learner understands Heat Transfer Mechanisms
		CO-2 [L4, Analyzing].To examine or understand Concept of heat & temperature
		CO-3[L1, Remembering]. Learning outcomes for Concept of thermodynamics.
		CO-4[L5, Evaluating]. The learner will understand the importance
	PHY-122 Electricity and Magnetism	CO-1[L1, Remembering] To study magnetic materials and its properties.
		CO-2[L2, Understanding] To Demonstrate the quantitative problem solving skills in all the topics covered.



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		CO-3[L6, Creating]. Able to calculate electrostatic field and potential of charge distributions using
		Coulomb's law and Gauss's law.
		CO-4[L4, Applying]To understand the concept of the electric force, electric field and electric stationary charges
	Course Outcomes S.Y.B.Sc. (CBCS- 2019)	
	PH211: Mathematical Methods in Physics	CO-1[L2, Understanding]. Understand the complex algebra useful in physics courses
		CO-2[L5,Evaluating] To Understand or Evaluate the role of partial differential equations in physics.
		CO-3[L3, Applying]. To Apply various rules in Partial Differentiation.
		CO-4[L2,Understanding]. Understand the singular points of differential equation
	PHY-212: Electronics	CO-1[L3, Applying]. Apply laws of electrical circuits to different circuits.
		CO-2[L2, Understanding] To Understand the relations in electricity.
		CO-3[L6, Creating]. Design circuits using transistors and operational amplifiers.
		CO-4 [L2, Understanding] To Understand the Boolean algebra and logic gate.
	PH221: OSCILLATIONS, WAVES AND SOUND	CO-1 [L5, Evaluating] To evaluate or Calculate the phase velocity of a travelling wave.



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		CO-2[L2, Understanding] To Explain the Doppler effect, and predict in qualitative terms the frequency change that will occur for a stationary and a moving observer.
		CO-3 [L1, Remembering] Define the decibel scale qualitatively, and give examples of sounds at various
		CO-4 [L3, Applying] To Solve numerical problems of undamped, damped , forced oscillations .
	PHY-222 Optics	CO-1 [L1 Remembering] To Get basic knowledge of Wave Optics
		CO-2[L2, Understanding] To Understand optical phenomena such as polarization, birefringence, interference and diffraction in terms of the wave model.
		CO-3[L4, Analyzing]. Analyze simple examples of interference and diffraction phenomena.
		CO-4[L5, Evaluating] Explain why a light beam spreads out after passing through an aperture.
Course Outcomes T.Y.B.Sc. (2019 Pattern) Physics		
	Physics Paper I: PH-351: Mathematical Methods in Physics II	1. This course acts as a foundation for other courses taught in Physics.
		2. Apply special mathematical function appropriately in solving problems in physics
		3. After successfully completing this course students get thorough knowledge of basics of curvilinear co-ordinate system, differential equations, special functions and special theory of



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		relativity.
		4. Students get advance knowledge regarding the basic and advanced mathematical background required for other courses such as; classical mechanics, quantum mechanics, statistical physics, electrodynamics etc.
	Physics Paper II: PH 352: Solid State Physics	1. Have deep understanding of various types of crystal structures and should have understood the concept of reciprocal lattice. And have an understanding of the elastic properties of solids and lattice vibrations
		2. Have clear idea of various characterization techniques like x-ray diffraction, UV-visible spectroscopy, SEM, TGA etc.
		3. Have understood the free electron model, band formation and origin of band gap and have an understanding of the properties of metals on the basis of the free and nearly-free electron gas models.
		4. Be able to understand the theory of magnetism and phenomena like superconductivity and have an understanding of the magnetic properties of condensed matter
	Physics Paper III: PH-353: Classical Mechanics	1. Students who have completed this course should Have a deep understanding of Newton's laws
		2. The students are able to solve the Newton equations for simple configurations using various methods
		3. All the classical concepts are useful and applicable to day today life.
		4. Students are understanding of intermediate classical mechanics topics such as coordinate transformations, oscillatory motion, gravitation and other central forces, and grangian mechanics.
	Physics Paper IV: PH-354: Atomic and Molecular Physics	1. Development of Atomic structures starts from Rutherford's atomic model up to Vector atomic model.



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		2. Concept of atomic absorption and emission spectra, spectra associated with hydrogen atom
		3. Pauli Exclusion Principle, Spectral notation for quantum states.
		4. The concepts of space quantization, Spectra of sodium atom
	Physics Paper V: PH-355: Computational Physics	1. After successfully completing this course students get thorough knowledge of basics concepts of algorithms and flowcharts, programming in C language
		2. Students will get practice of programming through small programs like sorting array, graphics, finding factorial, using functions and pointers etc.
		3. To learn how to interpret and analyze data visually, both during and after computation.
		4. Students learn various errors in computations and various numerical analysis methods such as, obtaining roots of a function, finding integration.
	Physics Paper VI: PH-356 Elective I : E: Renewable Energy Sources	1. Students learn about the Conventional and non-conventional sources of energy, Structure and characteristics of sun.
		2. To understand the positive and negative aspects of solar energy in relation to natural and human aspects of the environment.
		3. Students understand the application of solar energy such as Solar distillation, Solar drying, Solar cooker(box type), Solar water heating systems
		4. Students study Photovoltaic principle, Power output and conversion efficiency, Types of solar cells, Application of solar photovoltaic systems.
	Physics Paper VII Skill- PHY 3510- Sensors and transducers	Use concepts in common methods for converting a physical parameter into an electrical quantity



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		1 Classify and explain with examples of transducers, including those for measurement of temperature, strain, motion, position and light
		2 Choose proper sensor comparing different standards and guidelines to make sensitive measurements of physical parameters like pressure, flow, acceleration, etc
		3 Predict correctly the expected performance of various sensors
		4 Locate different type of sensors used in real life applications and paraphrase their importance
	Physics Paper VIII Skill- PHY 3511- Physics workshop skill	1.This course is to get exposure with various aspects of instruments and their usage through hands-on mode.
		2.After completion of this course students will able to handle and test various instruments.
		3.Course will enhance project skills of tybsc students
	PH357 Laboratory Course I	To increase the understanding depth of theoretical concept like properties of matter, quantum mechanics, nuclear physics, statistical mechanics, electrodynamics etc.
		After completing the course students should
		1. Be able gain necessary skills to perform experiments like verification of Stephan's Law, Determination of Plank's constant and Redberg's constant.
		2. Have developed skills to plan experiments for studying the properties of matter like viscosity, Young's modulus and Thermal conductivity.
		3. Be able to analyse data from experiments of x-ray diffraction.



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		4. Be able to plan and perform electronic experiments like Anderson's bridge, determination of energy gap of semiconductor etc.
		5. Be able to plan and execute experiments for determination of M. I. of a bar by bifilar suspension method and electromagnetic pendulum.
	PH358: Laboratory Course II	After completing the course students should
		1. Be able to plan and perform experiment to determine the thickness of cylindrical obstacle by using diffraction of laser light
		2. be able to write and execute simple programs in C language.
		3. Be able to perform computer interfaced Physics experiments.
		4. Be able to study solar energy instruments.
	PHY-359-Project -I	It is expected that students must finalize the Title of Project, Aim and objective, Significance, Literature survey, Materials required, Method and Application etc.
		1. Introduction to foundations of Project Work.
		2. Introduction of Project Research Methodology.
		3. Study of Data Collection Methods.



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		4. Project Problem Writing and Presentation Skills.
T. Y. B.Sc. Physics (Semester II)		
	Physics Paper I: PH-361 Classical Electrodynamics	After successfully completing this course students get thorough knowledge of
		1. Be able to use method of images in electrostatics to solve the boundary value problems.
		2. Should have understood the basic laws in magneto statics like Biot-Savart's law, Ampere's law etc.
		3. have understood the concept of magnetic vector potential.
		4. Have understood Maxwell's laws of electrodynamics.
	Physics Paper II: PH-362: Quantum Mechanics	1. After successfully completing this course students get thorough knowledge of historical aspects of development of quantum mechanics
		2. They understand and explain the differences between classical and quantum mechanics
		3. Student will learn the ,, understand the idea of wave function and the uncertainty relations, solve Schrodinger equation for simple potentials.
		4. Students will gain a basic understanding of the formalism and 'language' of quantum mechanics especially commutation brackets, various quantum mechanical operators.
	Physics Paper III: PH-363: Thermodynamics and Statistical Physics	1. After completion of this course students clearly understand basic principles, be able to see relationships between ideas, and be able to use principles and ideas to calculate properties of simple statistical systems students will learnt assumptions of kinetic theory of gases, transport phenomenon
		2. To understand basic statistical methods and concepts like probability, random variables, expected value, variance, common probability distributions and Thermodynamical



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		functions and Maxwell Relations , Elementary concepts of Statistics such as probability, distribution functions, Gaussian Probability distribution etc.
		3. They learn about Statistical distribution of system of particles, Different statistical ensembles: micro canonical, canonical and calculation of mean values in canonical ensembles.
		4. Understand the relation between microscopic and macroscopic description through statistical mechanics
		5. Maxwell-Boltzmann's, Bose Einstein , Fermi Dirac Statistics, comparison of the distribution. Problem solving on respective points.
	Physics Paper IV: PH-364: Nuclear Physics	1. Students learned about The concepts and techniques and Properties of Nucleus
		2. They understand about Composition, charge, size, density of nucleus, Nuclear Angular ,Nuclear magnetic, momentum, dipole moment, Electric quadrupole moment, parity and symmetry, Mass defect and Binding energy, packing fraction
		3. Students learned Radioactivity disintegration, Application of radioactivity
		4. Students understand about Meson theory of nuclear forces, Properties of nuclear forces, Elementary particles, Quarks model for elementary particles
		5. Learned the concept of Particle Accelerator and Detectors
		6. Nuclear Energy, Nuclear fission, chain reaction and critical mass, nuclear reactor and its basic components
		7. Nuclear Reactions, Q value equation, Exothermic and Endothermic reaction, Threshold energy, Conservation laws, nuclear cross section
	Physics VI : PH366 Elective II (K): Lasers	1. Able to understand ordinary light and Lasers, Brief history of Lasers, Ordinary light and Lasers, Brief history of Lasers,
		2. To study LASER action, Condition for large stimulated emission, Population inversion Condition for light amplification, Gain coefficient Active medium, Metastable states Pumping schemes: three level and four level



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		3. To study Optical feedback, round trip gain, threshold gain, critical population inversion, Optical
	Physics Paper VIII Skill- PHY 3610- Solar PV system	1. Learn basics of light conversion in electricity.
		2. Hands on training will motivate to use Solar PV system.
		3. Become entrepreneur / self-employed.
		4. Analyzed of MSEB electricity bill and design and sizing of off-grid PV system
		5. Participants will learn about solar PV module and batteries used in solar PV plant.
	Physics Paper VIII Skill- PHY 3611- Radiation physics	Students can use the knowledge in the applications of Radiation Physics in the fields like radio carbon dating, medical diagnostic tools.
		2. Students acquire skill in operating different types of radiation detectors to detect and measure radiation levels in different places.
		3. Students can work as advisers in maintenance of radiation safety standards and following of strict protocols at various places like Hospitals, Industry, and Laboratories etc.
		4. Students become able to employ their skills to develop applications of radio activity in the fields like agriculture, industry, hospitals etc.
	PH367: Laboratory Course I	1. Student will be able to perform Anderson and maxwell bridge experiments.
		2. Will study and operate GM tube
		3. will understand basic concepets of Thermodynamics
		4. Will be able to Study of XRD spectra
		5. Understand energy band ga of semiconductor
	PH368: Laboratory Course II	After completing the course students should
		1. Have acquired necessary skills to design astablemultivibrator circuit using IC-555.
		2. Be able to plan an experiment to study the characteristics of FET.
		3. Be able to plan and perform experiment to determine the thickness of cylindrical



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		obstacle by using diffraction of laser light
		4. Be able to perform computer interfaced Physics experiments.
		5. Will perform experiments of LASER
	PH 369 Laboratory course III- Project-II	It is expected that students must finalize the Title of Project, Aim and objective, Significance, Literature survey, Materials required, Method and Application etc.
		1. Introduction to foundations of Project Work.
		2. Introduction of Project Research Methodology.
		3. Study of Data Collection Methods.
		4. Project Problem Writing and Presentation Skills.



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DEPARTMENT OF CHEMISTRY

UG	Program: B.Sc. Chemistry	
	Program Outcomes	PO-1. Developed understanding of various aspects of the chemical, physical and life science.
		PO-2. Use of advanced techniques, methods, modern equipments, software's and solves the problems to find the logical conclusions.
		PO-3. Selection of the multidisciplinary approach for sustainable development.
		PO-4. Developed critical thinking & specific knowledge to design record & analyze results of theoretical and experimental concepts.
		PO-5. Social Interaction.
	Program Specific Outcomes	PSO-1. Understand laboratory techniques & laboratory safety.
		PSO-2. Make aware & handle the sophisticated instruments/equipments.
		PSO-3. Utilize modern chemical tools, models, charts & equipments.
		PSO-4. To explain reactivity, structure, stereochemistry & mechanisms of chemical reactions.
	Course Outcomes F.Y.B.Sc. (CBCS- 2019)	
	CH-101: Physical Chemistry	CO 1: Define (L1, Remembering) bond energy, absolute entropies of substances
		CO 2: Discuss (L 6, Creating) the Exothermic and Endothermic reaction
		CO 3: Explain (L 2, Understanding) the concept of gas equilibrium



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		CO 4: Determine(L 5, Evaluating) pH of different salts, buffer solution, and common ion effect.
	CH-102: Organic Chemistry	CO 1: What (L1, Remembering) is mean by Markownikoff's and anti-Markownikoff's addition
		CO 2: Compare (L 4, Analyzing) the Homolysis and Heterolysis.
		CO 3: Explain (L 2, Understanding) Concepts of Isomerism
		CO 4: Discuss (L 6, Creating) the ozonolysis reaction
	CH-103: Chemistry Practical I	CO 1: Explain (L 2, Understanding) the heat capacity of Calorimeter
		CO 2: Discuss(L 6, Creating) the various safety elements in laboratory
		CO 3: Explain (L 5, Evaluating) the hazardous nature of chemicals
		CO 4: Identify (L 3, Applying) the extra elements from organic compounds
	CH-201: Inorganic Chemistry	CO 1: Explain (L 2, Understanding) theories and principles of atomic structure
		CO 2: Solve (L 3, Applying) the problems based Schrodinger equation.
		CO 3: Compare (L 4, Analyzing) properties trends of various blocks in the periodic table
		CO 4: Discuss (L 6, Creating) the chemical bonding of different molecule
	CH-202: Analytical Chemistry	CO 1: Define (L1, Remembering) term mole and molar concentration
		CO 2: Explain (L 2, Understanding) the concepts of chromatography
		CO 3: Determine(L 5, Evaluating) the presence of nitrogen, sulfur, halogen and phosphorous by Lassaigne's



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		CO 4: Discuss(L 6, Creating) the purification techniques used for organic compounds
	CH-203: Chemistry Practical II	CO 1: Test for (L 4, Analyzing) water of crystallization
		CO 2: Explain (L 5, Evaluating) purification of organic compounds
		CO 3: Estimate (L 6, Creating) Cu(III) from brass alloy
		CO 4: Explain (L 5, Evaluating) preparation of derivatives of organic compounds
	Course Outcomes S.Y.B.Sc. (CBCS- 2019)	
	CH-301: Physical and Analytical Chemistry	CO 1: Explain (L 2, Understanding) the order of reaction by chemical kinetics.
		CO 2: Solve (L 3, Applying) the problems based on order of reaction
		CO 3: Com pare (L 4, Analyzing) the physical and chemical adsorption.
		CO 4: Discuss(L 6, Creating) the various methods of volumetric analysis.
	CH-302: Inorganic and Organic Chemistry	CO 1: What (L1, Remembering) are the rules for linear combination of atomic orbital's.
		CO 2: Explain (L 2, Understanding) the MO energy level diagram of different molecules.
		CO 3: Apply (L 3, Applying) the rules for writing IUPAC nomenclature.
		CO 4: Predict (L 6, Creating) the products of the name reaction.
	CH-303: Practical Chemistry-III	CO 1: Define (L1, Remembering) theoretical principle of pH metry.



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		CO 2: Identify (L 3, Applying) the order of reaction.
		CO 3: Estimate (L 6, Creating) the amount of aspirin in given sample.
		CO 4: Explain (L 5, Evaluating) the critical solution temperature in phenol-water system.
	CH-401: Physical and Analytical Chemistry	CO 1: Define (L 1, Remembering) ideal and non ideal solutions.
		CO 2: Explain (L 2, Understanding) the phase diagram for CO ₂ system
		CO 3: Determine (L 5, Evaluating) the cell constant of given cell.
		CO 4: List (L 4, Analyzing) the essential terms used in interaction of light with matter.
	CH-402: Inorganic and Organic Chemistry	CO 1: Explain (L 2, Understanding) the bonding in Octahedral complex.
		CO 2: Identify (L 3, Applying) the kinds of isomerism in coordination complexes.
		CO 3: Interpret (L 2, Understanding) the number of interactions in substituted cyclohexane.
		CO 4: Propose (L 6, Creating) the possible mechanism for the given reaction.
	CH-403: Practical Chemistry-IV	CO 1: Find (L1, Remembering) out the coordination number of central metal ion in complex.
		CO 2: Comparative (L 2, Understanding) study of inorganic quantitative and qualitative analysis.



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		CO 3: Estimate (L 6, Creating) the concentration of unknown solution colorimetrically.
		CO 4: Choose (L 5, Evaluating) the suitable condition for organic preparation.
	Course Outcomes T.Y.B.Sc. (CBCS- 2019)	
	CH-501: Physical Chemistry	CO 1: Explain (L 2, Understanding) the Heisenberg's uncertainty principle
		CO 2: Solve (L 3, Applying) Schrodinger equation for 1D, 2D and 3D model
		CO 3: Define (L 1, Remembering) the term additive and constitutive properties
		CO 4: Explain (L 5, Evaluating) concept of polarizability
	CH-502: Analytical Chemistry- I	CO 1: Define (L 1, Remembering) basic terms in gravimetry and spectrophotometry
		CO 2: Identify (L 3, Applying) the basic radicals in the mixture.
		CO 3: Demonstrate (L 2, Understanding) the Calibration and Standardization of the instruments
		CO 4: Compare (L 4, Analyzing) the different analytical terms, process and methods
	CH-503: Physical Chemistry Practical - I	CO 1: Determine(L 5, Evaluating) the specific refractivity's of the different liquids
		CO 2: Distinguish(L 4, Analyzing) between colorimetric and conductometric titration.



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		CO 3: Estimate (L 6, Creating) of Fe^{3+} ions by thiocyanate method
		CO 4: Analysis of Riboflavin from vitamin supplementary tablet sample by Photoflurometry
	CH-504: Inorganic Chemistry – I	CO 1: What (L 1, Remembering) are the rules for linear combination of atomic orbital's.
		CO 2: Explain (L 2, Understanding) the MO energy level diagram of different molecules.
		CO 3: Discuss(L 6, Creating) the concepts of stability and lability
		CO 4: Distinguish(L 4, Analyzing) between metal, semiconductor and insulator
	CH-505: Industrial Chemistry	CO 1: Explain (L 2, Understanding) the departments in chemical industry (QC, QA, R&D, HR)
		CO 2: Explain (L 5, Evaluating) the chemistry of soap
		CO 3: Theory and purpose(L 6, Creating) of fermentation process
		CO 4: Comparative (L 2, Understanding) study of classification and applications of dyes & pigments
	CH-506: Inorganic Chemistry Practical – I	CO 1: Find (L1, Remembering) out the coordination number of central metal ion in complex.
		CO 2: Comparative (L 2, Understanding) study of inorganic quantitative and qualitative analysis.
		CO 3: Estimate (L 6, Creating) the concentration of Ni in Ni-DMG Gravimetrically.
		CO 4: Identify (L 3, Applying) the basic and acidic radicals in mixture



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	CH-507: Organic Chemistry – I	CO 1: Predict (L 6, Creating) the products of the name reaction.
		CO 2: Explain (L 5, Evaluating) the preparation and reactions of diethyl malonate.
		CO 3: Identify (L 3, Applying) the product of the rearrangement reactions.
		CO 4: Define (L 1, Remembering) kinetic isotopic effect.
	CH-508: Chemistry of Biomolecules	CO 1: Comparative (L 2, Understanding) study of bacterial cell, plant cell and animal cell
		CO 2: Explain (L 2, Understanding) the classification of carbohydrates and their biochemical significance in living organisms
		CO 3: List (L 4, Analyzing) the industrial applications of enzymes
		CO 4: Explain (L 5, Evaluating) the action of hydrophilic hormones
	CH-509: Organic Chemistry Practical - I	CO 1: Identify (L 3, Applying) the components in binary mixture.
		CO 2: Determine (L 5, Evaluating) the functional group in the organic compounds.
		CO 3: Explain (L 2, Understanding) the purification of organic compounds by various method
		CO 4: Theory and purpose(L 6, Creating) of green chemistry
	CH-510(B): Polymer Chemistry	CO 1: Distinguish(L 4, Analyzing) between natural, synthetic, organic and inorganic polymers
		CO 2: Explain (L 2, Understanding) the different polymerization techniques



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		CO 3: Explain (L 5, Evaluating) the mechanisms of polymerization
		CO 4: List (L 4, Analyzing) the application of the polystyrene
	CH-511(A): Environmental Chemistry	CO 1: Define (L 1, Remembering) Units of concentration
		CO 2: List (L 4, Analyzing) the parameters used monitoring water quality
		CO 3: Explain (L 2, Understanding) the methods for treatment of Waste water
		CO 4: Identify (L 3, Applying) the Organic and inorganic pollutants
	CH-601: Physical Chemistry-II	CO 1: Explain (L 2, Understanding) the principle and working of electrochemical cells
		CO 2: Define (L 1, Remembering) liquid junction potential
		CO 3: Solve (L 3, Applying) Distance and wavelength by Braggs equation
		CO 4: Distinguish(L 4, Analyzing) between crystalline and amorphous solid
	CH-602: Physical Chemistry-III	CO 1: Determine(L 5, Evaluating) the molecular weight
		CO 2: Explain (L 2, Understanding) the concept of VantHoffs factor
		CO 3: Explain (L 2, Understanding) the factors affecting on solid state reactions
		CO 4: Define (L 1, Remembering) molecular weight of polymer
	CH-603: Physical Chemistry Practical-II	CO 1: Determine(L 5, Evaluating) the solubility product and solubility of AgCl by potentiometer
		CO 2: Identify (L 3, Applying) sulphate and chloride by turbidimetric methods



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		CO 3: Analyze(L 4, Analyzing) the crystal structure from x ray spectra
		CO 4: Estimate (L 6, Creating) the $E_{\max}$ of beta particles
	CH-604: Inorganic Chemistry – II	CO 1: Define (L 1, Remembering) organometallic chemistry
		CO 2: Determine(L 5, Evaluating) the valence electron count by using 18e rule
		CO 3: Explain (L 2, Understanding) the phenomenon of catalysis
		CO 4: Distinguish(L 4, Analyzing) between organic and inorganic polymer
	CH-605: Inorganic Chemistry – III	CO 1: Explain (L 2, Understanding) the different properties of acid and base
		CO 2: Identify (L 3, Applying) the type of voids in crystal structure
		CO 3: Explain (L 2, Understanding) the biological methylation
		CO 4: Identify (L 3, Applying) the coordination number of ion in ionic solid
	CH-606: Inorganic Chemistry Practical – II	CO 1: Estimate (L 6, Creating) sodium by flame photometry
		CO 2: Analyze(L 4, Analyzing) the calcium from milk powder
		CO 3: Determine(L 5, Evaluating) the band gap of nano material
		CO 4: Estimate (L 6, Creating) the potassium by flame photometry
	CH-607: Organic Chemistry – II	CO 1: Discuss(L 6, Creating) various organic spectroscopic methods in structure determination
		CO 2: Solve (L 3, Applying) maximum wavelength related problems
		CO 3: Explain (L 2, Understanding) the geometrical isomers



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		CO 4: Determine(L 5, Evaluating) the structure of organic compounds
	CH-608: Organic Chemistry – III	CO 1: Discuss(L 6, Creating) the retro synthesis and synthesis of organic compounds
		CO 2: Explain (L 2, Understanding) the reactive intermediates
		CO 3: Define (L 1, Remembering) terpenoids and alkaloids
		CO 4: Discuss(L 6, Creating) the role of different reagents in organic synthesis
	CH-609: Organic Chemistry Practical–II	CO 1: Explain (L 2, Understanding) the fingerprint region IR
		CO 2: Determine(L 5, Evaluating) the coupling constant from ¹ H NMR
		CO 3: Estimate (L 6, Creating) the functional group in compound
		CO 4: Determine(L 5, Evaluating) the molecular wt. of tribasic acid
	CH-610(A): Chemistry of soil and Agrochemicals	CO 1: Determine(L 5, Evaluating) the Ca& Mg of soil by EDTA
		CO 2: Explain (L 2, Understanding) the component & properties of soil
		CO 3: Discuss (L 6, Creating) the role fertilizer & manure.
		CO 4: Analyze (L 4, Analyzing) the pH, EC, TDS of soil.
	CH-611(B): Analytical chemistry -II	CO 1: Define (L 1, Remembering) solvent extraction.
		CO 2: Distinguish (L 4, Analyzing) analytical terms, process.
		CO 3: Explain (L 2, Understanding) the theoretical principles
		CO 4: Analyze(L 4, Analyzing) the wavelength in HPLC



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

MASTER OF SCIENCE- Organic Chemistry		
PG	Program: M.Sc. Organic Chemistry	
	Program Outcomes	PO-1. To develop a fundamental and specialize knowledge of organic chemistry
		PO-2. Use of advanced techniques, methods, modern equipment's & software's.
		PO-3. Selection of the multidisciplinary approach for sustainable development.
		PO-4. Determine molecular structure on the basis of CMR, NMR and 2DNMR techniques.
		PO-5.
	Program Specific Outcomes	PSO-1. Students will be able to have knowledge of basic concepts in organic Chemistry
		PSO-2. Students will be able to apply the concepts of medicinal chemistry and drug activity in real life to solve the problems.
		PSO-3. Students develop the aptitude of doing small research projects.
		PSO-4. Understand laboratory practices and safety.
	Course Outcomes M. Sc. I (CBCS- 2019)	
	CHP-110	CO 1: Discuss(L 6, Creating) Basic concepts of thermodynamics
		CO 2: Determine(L 5, Evaluating) Computer operator in quantum chemistry



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		CO 3: Discuss(L 6, Creating) Different rate equations
		CO 4: Explain (L 2, Understanding) Collision theory of bimolecular gas phase reactions
	CHI-130	CO 1: Explain (L 2, Understanding) concept of symmetry in molecules
		CO 2: Discuss(L 6, Creating) Great orthogonally theorem
		CO 3: Analyze(L 4, Analyzing) the various point groups in molecules
		CO 4: Explain (L 2, Understanding) the chemistry of s and p block elements
	CHO-150	CO 1: Discuss(L 6, Creating) the concept of atomaticity.
		CO 2: Explain (L 2, Understanding) the stereochemistry and its importance
		CO 3: Predict (L 6, Creating) the products of different rearrangements
		CO 4: Discuss(L 6, Creating) the various oxidizing and reducing agents
	CHG-190 Theory	CO 1: Discuss(L 6, Creating) the function of various amino acid and proteins
		CO 2: Explain (L 2, Understanding) the transport of ion and molecules
		CO 3: Analyze(L 4, Analyzing) the chemistry of molecules and cell biology
		CO 4: Explain (L 2, Understanding) the replication, transcription in cell biology
	CH-107-Basic Practical Chemistry	CO 1: Determine(L 5, Evaluating) Molecular weight by steam distillation
		CO 2: Estimate (L 6, Creating) the Mn in tea leaves
		CO 3: Explain (L 2, Understanding) various purification techniques
		CO 4: Discuss(L 6, Creating) the various safety elements



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	CHG-190 Practical	CO 1: Determine(L 5, Evaluating) Silica and Mn from pyrolusite ore
		CO 2: Estimate (L 6, Creating) the Sn and Pb from solder alloy
		CO 3: Explain (L 2, Understanding) the study of application of solid state material
		CO 4: Determine(L 5, Evaluating) the band gap by absorption spectroscopy
	CHP-210	CO 1: Discuss(L 6, Creating) the various spectroscopic techniques
		CO 2: Explain (L 2, Understanding) the basic concepts of radioactivity
		CO 3: Discuss(L 6, Creating) the various applications of Radioactivity
		CO 4: Explain (L 2, Understanding) the elements of radiation and nuclear fission.
	CHI-230	CO 1: Determine (L 5, Evaluating) the quantum numbers, R&S terms, correlation diagrams.
		CO 2: Explain (L 2, Understanding) the magnetic properties of coordination complexes
		CO 3: Discuss (L 6, Creating) the various thermodynamic aspects of inorganic and bio inorganic chemistry.
		CO 4: Explain (L 2, Understanding) the function and transport of alkali and alkaline earth metal ions.
	CHO-250	CO 1: Discuss (L 6, Creating) the basic principle of photochemistry and per cyclic reactions.
		CO 2: Explain (L 2, Understanding) FMO approach, electro cyclic and sigma tropic reactions.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		CO 3: Discuss (L 6, Creating) The basic principle of spectroscopic methods.
		CO 4: Determine (L 5, Evaluating) the structure of organic compounds by spectroscopic methods.
	CHG-290 Theory	CO 1: Distinguish (L 4, Analyzing) DNA and RNA.
		CO 2: Explain (L 2, Understanding) the TCA cycle, urea cycle.
		CO 3: Discuss (L 6, Creating) the factors affecting enzyme activity.
		CO 4: Define (L 1, Remembering) replication, transcription translation.
	CHP -227: Basic Practical Chemistry	CO 1: Determine (L 5, Evaluating) equilibrium constants by Jobs method.
		CO 2: Analyze(L 4, Analyzing) different coordination complexes
		CO 3: Identify (L 3, Applying) different element by column chromatography.
		CO 4: Discuss(L 6, Creating) the role of green chemistry in pollution reduction.
	CHG-290 Practical	CO 1: Determine(L 5, Evaluating) half wave potential by polarography
		CO 2: Estimate (L 6, Creating) halides in different mixture by potentiometry
		CO 3: Analyze(L 4, Analyzing) powder XRD of SrTiO_3
		CO 4: Determine(L 5, Evaluating) CMC in detergent by conductometry
	M.Sc. II (CBCS- 2019)	
	CHO-350	CO 1: Explain (L 2, Understanding) kinetic and non kinetic methods for determining reaction mechanism.
		CO 2: Discuss(L 6, Creating) reactions of free radicals.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		CO 3: Analyze(L 4, Analyzing) Hammet plots and study linear free energy relationship.
		CO 4: Discuss(L 6, Creating) the biogenesis pathway of various terpenoids, alkaloids.
	CHO-351	CO 1: Discuss(L 6, Creating) various applications of NMR in stereochemistry determination.
		CO 2: Explain (L 2, Understanding) 2D NMR spectroscopy in structure determination of organic compounds.
		CO 3: Explain (L 2, Understanding) Various concepts of mass spectrometry.
		CO 4: Solve (L 3, Applying) various problems based on spectroscopic techniques.
	CHO-352	CO 1: Explain (L 2, Understanding) anomeric effect, Conformations of polysubstituted cyclohexane
		CO 2: Discuss(L 6, Creating) Cram's rule, Cram's cycle model, Cram's dipolar model, Felkin-Anh Model
		CO 3: Explain (L 2, Understanding) asymmetric aldol reactions
		CO 4: Define (L 1, Remembering) chiral pool, chiral auxiliary
	CHO-353	CO 1: Discuss(L 6, Creating) protection deprotection approach for various functional group
		CO 2: Define (L 1, Remembering) the concept of Chiron approach, Chiron, chiral template



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		CO 3: Discuss(L 6, Creating) basic structure and conformations of monosaccharides
		CO 4: Explain (L 2, Understanding) the synthesis of glycosides and higher sugars
	CHO-354: Solvent free Organic synthesis	CO 1: Analyze(L 4, Analyzing) Spectral analysis best on instrumental techniques.
		CO 2: Preparation of organic compounds, their purifications and run TLC.
		CO 3: Explain (L 2, Understanding) Carbon-carbon bond formation reaction.
		CO 4: Determine(L 5, Evaluating) the M.P. & B.P.
	CHO-450	CO 1: Explain (L 2, Understanding) the synthesis of Longifolene.
		CO 2: Discuss(L 6, Creating) synthesis of Ribisins A& B.
		CO 3: Discuss(L 6, Creating) Wagner Meerwein Rearrangement.
		CO 4: Identify (L 3, Applying) different product in various reaction.
	CHO-451	CO 1: Discuss(L 6, Creating) role of transition metal in organic synthesis.
		CO 2: Explain (L 2, Understanding) the concept of click chemistry.
		CO 3: Determine(L 5, Evaluating) the product of different reaction.
		CO 4: Define (L 1, Remembering) Metathesis reaction.
	CHO-452	CO 1: Explain (L 2, Understanding) the structure activity and drug targets
		CO 2: Define (L 1, Remembering) Medicinal chemistry
		CO 3: Discuss(L 6, Creating) the antimicrobial drugs, antibacterial, antifungal, antiviral.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		CO 4: Explain (L 2, Understanding) Pharmacokinetics & Pharmacodynamics of drug.
	CHO-453 Practical	CO 1: Analyze(L 4, Analyzing) micro scale elemental analysis.
		CO 2: Explain (L 2, Understanding) type determination & separation.
		CO 3: Estimate (L 6, Creating) the functional group in mixtures.
		CO 4: Discuss(L 6, Creating) the recrystallization in different compound.
	CHO-454 Practical	CO 1: Discuss(L 6, Creating) the preparation of dry solvent.
		CO 2: Estimate (L 6, Creating) physical constant, density of natural products.
		CO 3: Identify (L 3, Applying) essential oils from natural product.
		CO 4: Analyze(L 4, Analyzing) the elemental functional groups.

Department of Chemistry

MASTER OF SCIENCE

PROGRAMME: M.Sc. Analytical Chemistry	
Programme Outcomes	PO-1 To develop a strong base in the fundamentals and specialize in the disciplines of his/her
	PO-2 To develop in wisdom understanding of various futures of the subject
	PO-3 To have perception of laws of nature through subjects like Nanotechnology, Absorption and emission spectroscopy, Chromatography.
	PO-4 The aptitude of problem solving will be enhanced. Students can apply principles in Analytical chemistry to real life problems
Program Specific Outcomes	PSO-1 After end of program, students will be able to have in-depth knowledge of basic concepts in Analytical Chemistry
	PSO-2 Students will be able to apply the laws of Chemistry in real life situations to solve the



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	problems.
	PSO-3 Students enlarge the aptitude of doing research by undertaking projects.
	PSO-4 The student will have set his groundwork to pursue higher education in Analytical Chemistry.
	PSO-5 After end of the program student will have developed interdisciplinary approach and can pursue higher studies in subjects other than Chemistry.
MSc-II (Sem-III)(CBCS- 2019)Course Outcomes	
CHA-390 Electrochemical and Thermogravimetric Methods of Chemical Analysis	CO 1: Explain (L 2, Understanding) Principle of coulometry, Faraday law Electroanalysis.
	CO 2: Discuss(L 6, Creating) voltammetry and paleographic method of analysis, and radio analytical hydrodynamic voltammetry, plus palaeography and cyclic voltammetry.
	CO 3: Discuss(L 6, Creating)amperometry and their applications, analysis
	CO 4: Explain (L 2, Understanding) radio analytical methods of analysis, activation analysis, isotope dilution analysis, radio metric titration.
CHA-391 Analytical method development and Extraction Techniques	CO 1: Explain (L 2, Understanding) To understand assay validation and inter laboratory transfer.
	CO 2: Analyze(L 4, Analyzing) the statistical analysis and analytical figure.
	CO 3: Discuss(L 6, Creating) Method development technique and validation specific analysis
	CO 4: Explain (L 2, Understanding) Specific methods and applications, Dissolution studies and USP types.
CHA-392 Advanced Chromatographic Methods of	CO 1: Discuss(L 6, Creating) of Mass Spectroscopy apparatus and instrumentation of HPLC



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

Analysis	CO 2: Explain (L 2, Understanding) the fundamentals of Chromatographic methods- Gas Chromatography
	CO 3: Discuss(L 6, Creating) the application of gas chromatography and mass spectrometry.
	CO 4: Determine(L 5, Evaluating) quantitative analysis by gas liquid chromatography method.
CHA-393 B Analysis of Food and Controlled Substances	CO 1: Explain (L 2, Understanding) Analytical methods use for food analysis.
	CO 2: Explain (L 2, Understanding) Study the preparation of sample and total solid analysis.
	CO 3: Analyze(L 4, Analyzing) Analysis of Ash, Lipids and Proteins from Sample.
	CO 4: Discuss(L 6, Creating) Food preservatives and chemical test for narcotic drugs and psychotropic substances.
CHA- Practical I: Basic of Instrumentation Methods of Chemical Analysis	CO 1: Explain (L 2, Understanding) various terms involved in practical methods of quantitative analysis.
	CO 2: Analyze(L 4, Analyzing) organic and inorganic materials using appropriate chemicals.
	CO 3: Determine(L 5, Evaluating) basic principles of chemicals and instrumental methods.
	CO 4: Calculate(L 3, Applying) the result and interpret the final result
MSc-II (Sem-IV)(CBCS- 2019)Course Outcomes	



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

CHO-490 Advanced Analytical spectroscopic Techniques	CO 1: Discuss(L 6, Creating) Study of sample preparation techniques.
	CO 2: Explain (L 2, Understanding) Atomic Absorption and Emission Spectroscopy method of analysis, its practical applications.
	CO 3: Explain (L 2, Understanding) Understand an introduction AFS, AES and MS, its applications.
	CO 4: Discuss(L 6, Creating) Fluorescence and phosphorescence, ESR spectroscopy electron paramagnetic resonance spectroscopy.
CHO-491 Chemicals Methods of Pharmaceuticals Analysis	CO 1: Interpret (L 2, Understanding) pharmaceutical dosage from tablet, Oral Liquid and powder for injections.
	CO 2: Analyze(L 4, Analyzing) the chemical test, limit test and assay of different material like Heavy metal, Vaccines, Assay of vitamin A etc.
	CO 3: Explain (L 2, Understanding) the pharmaceutical methods of determination and its applications.
	CO 4: Discuss(L 6, Creating) agar diffusion assay, the theory and practice of tube assay, general practical aspects of microbiological assay.
CHA- 492 B Analytical Chemistry of agriculture, Polymer and Detergent	CO 1: Analyze(L 4, Analyzing) analysis of Soil, fertilizer, sampling and sample preparation, khjeldahl's method.
	CO 2: Explain (L 2, Understanding) the analysis of soap and detergents, UV-spectroscopic analysis of detergent.
	CO 3: Discuss(L 6, Creating) the polymer chemistry, analysis and testing of polymer, measurement of molecular weight and size.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	CO 4: Analyze(L 4, Analyzing) the analysis of pesticide residue.
CHA-493 A Optional Analytical Chemistry Practical CHA-494 Applied Analytical Chemistry (Practical II)	CO 1: Explain (L 2, Understanding) various terms involved practical methods of quantitative analysis.
	CO 2: Analyze(L 4, Analyzing)organic and inorganic materials using appropriate chemicals.
	CO 3: Explain (L 2, Understanding) basic principles of chemicals and instrumental methods.
	CO 4: Calculate(L 3, Applying) the result and interpret the final result.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

DEPARTMENT OF BOTANY

Class	Course	Course Outcomes (CO)
SEM I		
F.Y.B.Sc.Botany	BO 111- Plant life and Utilization I	CO 1 – [Understanding L2] Describe the outline of cryptogams and phanerogams.
		CO 2- [Understanding L2] Describe the reproduction of plant forms of cryptogams.
		CO 3-[Applying L3] Identify the forms of cryptogams and phanerogams.
		CO 4- [Understanding L2] Describe the forms of lichens and their economic value.
	BO 112 – Plant Morphology and Anatomy	CO1 –[Remembering L1] Define plant Anatomy and Morphology.
		CO 2- [Understanding L2] Describe the reproductive structure in plants.
		CO3 – [Understanding L2] Explain the botanical Concept, including plant anatomy.
		CO 4- [Applying L3] Explain the type of tissue and formation of fruits.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	BO113 - Practical based on BO 111 and BO 112	CO 1- [Remembering L1] Recognize the live forms of Cryptogamic and Phanerogamic plants.
		CO 2-[Analyzing L4] Analyse and describe botanical concept,including plant anatomy.
		CO 3- [Understanding L2] Illustrate the floral parts,fruits, leaves and their types.
		CO4-[Understanding L2] Describe the Mushroom Cultivation.
SEM II		
F.Y.B.Sc	BO 121-Plant Life and Utilization II	CO 1- [Applying L3] Utilization and economic importance of Vascular plants.
		CO 2-[Evaluating L5] Explain Life cycle pattern in Vascular plants .
		CO 3 -[Evaluating L5] Explain the reproductive structures in plant.
		CO4- [Applying L3] Utilization and economic importance of plant: In food,fodder,fibers, horticulture and medicines.
	BO 122 – Principles of plant Science	CO 1-[Remebering L1] Define plant Physiology and Molecular biology.
		CO 2-[Creating L6] Perform process of imbibitions,osmosis, diffusion and Plasmolysis,Measure growth by Arc Auxanometer.
		CO 3-[Understanding L2] Describe plant growth regulators and their type ,structure of plant and cell cycle in plant.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		CO 4- [Evaluating L5] Explain the structure and types of RNA and DNA replication.
	BO 123- Practical based on BO 121 and BO 122	CO 1- [Evaluating L5] Detail knowledge on characters, classification, morphology, structure and economic important of Pteridophytes and Gymnosperm.
		CO 2-[Evaluating L5] Determine the mitosis and meiosis divisional stages.
		CO 3-[Creating L 6] Estimate chlorophyll –a & b by plant material.
		CO 4-[Understanding L2] Demonstrate the plasmolysis by using Rhoeo leaf peeling and osmosis by curling experiment.
	BO 231- Taxonomy of Angiosperms and Plant Ecolog	CO 1--[Evaluating L5] Explain plant taxonomy and taxonomic related terminologies and different classification systems of angiosperms.
		CO2 –[Evaluating L5] Determine Botanical Nomenclature of angiosperm plants.
		CO3- Understanding L2] Describe plant families with examples and herbarium methods - collecting, mounting, and keeping records.
		CO4-[Understanding L2] Describe computer knowledge in plant taxonomy and digital herbarium.
SEM I		



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

S.Y.B.SC BOTANY		
	BO 232 –Plant Physiology.	CO1- [Evaluating L5] Explain processes of mineral nutrition, absorption of water, ascent of sap, Mechanisms of water loss from plants.
		CO2-[Creating L6]Perform processes of imbibitions, Osmosis, Diffusion and Plasmolysis, measure growth by arc auxanometer.
		CO3-[Understanding L2] Describe Plant growth regulators and their types.
		CO4- [Understanding L2] Discuss nitrogen metabolism in plants and mechanisms and application of photoperiodism.
	BO 233-Practical Based on BO 231 and	CO 1- [Evaluating L5] Explain the practical knowledge of Taxonomic tools ecological instrument and plant families.
	BO 232	CO 2--[Understanding L2] Understand the internal morphology of hydrophytes and xerophytes.
		CO 3- [Analyzing L4] Analysed the different test, processes of plant physiology.
		CO 4-[Evaluating L5] Explain the practical knowledge about seed germination ,Transpiration DPD.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

SEM II	BO 241 –Plant Anatomy and Embryology	CO1-[Understanding L2] Describe various tissue systems in plants like epidermal, mechanical and
		vascular.
		CO2-[Evaluating L5] Interpret the Principles-incompressibility ,inextensibility,shearing stress etc in
		plants.
		CO3- [Evaluating L5] Explain the process of normal and abnormal secondary growth in plants and process of pollination and fertilization.
		CO4-- [Understanding L2] Discuss the Structure and development process of male and female gametophyte and the types of microspore, ovules, embryo, seed and
		endosperm.
	BO 242- Plant Biotechnology	CO1-- [Understanding L2] Describe the fermentation process enzyme technology.
		CO2- [Evaluating L5] Interpret the production of Single cell proteins and concept of phytoremediation.
		CO3-[Evaluating L5] Explain General method of gene isolation from the plants and their application..
		CO4-[Evaluating L5] Explain application of plant genetic engineering and Nano-biotechnology in crop improvement.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	BO 243 – Practical based on BO 241 & BO 242	CO 1- [Understanding L2] Discuss the practical knowledge of plant anatomy.
		CO 2-[Understanding L2] Understand the practical technique of double stained temporary preparation of plant stem.
		CO 3- [Understanding L2] Understand the working principle of tissue culture lab instrument.
		CO 4--[Evaluating L5] Explain basic practical knowledge of plant tissue culture, Transgenic plants, Spirulina cultivation.
SEM II F.Y.B.Sc	BO 121-Plant Life and Utilization II BO 122 – Principles of plant Science	CO 1- [Applying L3] Utilization and economic importance of Vascular plants. CO 2-[Evaluating L5] Explain Life cycle pattern in Vascular plants. CO 3- [Evaluating L5] Explain the reproductive structures in plant. CO4- [Applying L3] Utilization and economic importance of plant:In food,fodder,fibers, horticulture and medicines. CO 1-[Remembering L1] Define plant Physiology and Molecular biology. CO 2-[Creating L6] Perform process of imbibition,osmosis, diffusion and Plasmolysis,Measure growth by Arc Auxanometer. CO 3-[Understanding L2] Describe plant growth regulators and their type, structure of plant and cell cycle in plant. CO 4-[Evaluating L5] Explain the structure and types of RNA and DNA replication. CO 1- [Evaluating L5] Detail knowledge on characters,classification ,morphology,structure



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

SEM I S.Y.B.SC BOTANY	BO 123- Practical based on BO 121 and BO 122	and economic important of Pteridophytes and Gymnosperm. CO 2-[Evaluating L5] Determine the mitosis and meiosis divisional stages. CO 3-[Creating L 6] Estimate chlorophyll –a & b by plant material. CO 4-[Understanding L2] Demonstrate the plasmolysis by using Rhoeo leaf peeling and osmosis by curling experiment.
	BO 231- Taxonomy of Angiosperms and Plant Ecology.	CO 1-[Evaluating L5] Explain plant taxonomy and taxonomic related terminologies and different classification systems of angiosperms. CO2- [Evaluating L5] Determine Botanical Nomenclature of angiosperm plants. CO3- Understanding L2] Describe plant families with examples and herbarium methods - collecting, mounting, and keeping records. CO4-[Understanding L2] Describe computer knowledge in plant taxonomy and digital herbarium.
	BO 232 –Plant Physiology.	CO1- [Evaluating L5] Explain processes of mineral nutrition, absorption of water, ascent of sap,



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

SEM II S. Y. B. Sc	BO 233-Practical Based on BO 231 and BO 232	mechanisms of water loss from plants. CO2-[Creating L6] Perform processes of imbibition, Osmosis, Diffusion and Plasmolysis, measure growth by arc auxanometer. CO3-[UnderstandingL2] Describe Plant growth regulators and their types. CO4- [Understanding L2] Discuss nitrogen metabolism in plants and mechanisms and application of photoperiodism.
	BO 241 –Plant Anatomy and Embryology	CO 1- [Evaluating L5] Explain the practical knowledge ofTaxonomic tools ecological instrument and plant families. CO 2--[UnderstandingL2] Understand the internal morphologyof hydrophytes and xerophytes. CO 3- [Analyzing L4] Analysed the different test, processesof plant physiology. CO 4-[Evaluating L5] Explain the practical knowledge aboutseed germination, Transpiration DPD. CO1-[UnderstandingL2] Describe various tissue systems in plants like epidermal, mechanical and vascular. CO2-[Evaluating L5] Interpret the Principles- incompressibility, inextensibility,shearing stress etc in plants. CO3- [Evaluating L5] Explain the process of normal and abnormal secondary growth in plants and process of pollination and fertilization.



242- Plant Technology	CO4-- [Understanding L2] Discuss the Structure and development of female gametophyte and the types of microspore, ovules, embryo, seed CO1-- [Understanding L2] Describe the fermentation process&enzyme CO2- [Evaluating L5] Interpret the production of Single cell proteins and phyto remediation. CO3-[Evaluating L5] Explain General method of gene isolation from the application. CO4-[Evaluating L5] Explain application of plant genetic engineering and biotechnology in crop improvement.
243 – Practical based on BO 241 & 242	CO 1- [UnderstandingL2] Discuss the practical knowledge of plant anatomy CO 2-[UnderstandingL2] Understand the practical technique of double preparation of plant stem. CO 3- [Understanding L2] Understand the working principle of tissue culture instrument. CO 4--[Evaluating L5] Explain basic practical knowledge of plant tissue culture plants, <i>Spirulina</i> cultivation. PO-1. To develop understanding of various aspects of the chemical, physical and environmental science PO-2. Use of advanced techniques, methods, modern equipments & software PO-3. Selection of the multidisciplinary approach for sustainable development PO-4. Develop critical thinking & specific knowledge to design record & theoretical and experimental concepts. PO-5. Solve the problems and finding the logical conclusion. CO1 Understand -Demonstrate the various trends for class



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ARTS, SCIENCE AND COMMERCE COLLEGE, RAHATA

Programme Outcomes, Programme Specific Outcomes and Course Outcomes

SEM 1 T. Y. B. Sc	BO 351 Algae and Fungi	CO2 Understand-Familiarize with basic information in Botany with special attention to the economic importance of lower group of plants. CO3 Analyze-Compare and contrast the characteristics of lower group of plants and compare the diversity with other forms of plant kingdom CO 4 Understand - understand the importance of Fungi and to relate the different classification systems to gain knowledge on the lower plants.
	BO 352 Archegoniate	CO 1 Remember - Familiarize with basic information in Bryophytes. CO2 Understand-Examine the structure of certain life forms and their economic importance Bryophytes. CO 3 Understand - Understand the general characters and life cycle of various pteridophyte. CO 4 Remember- Classify and compare the structure and life cycle of Bryophytes Pteridophytes.
	BO 353 Spermatophyta and Paleobotany	CO 1 Understand - Understand the general characters and life cycle of various pteridophyte. CO2-Understand -understand the importance of Spermatophyte and to relate the different classification systems to gain knowledge on the plants. CO3 Analyze- Correlate the Geological Time Scale along with the evidences of fossil life forms.
	BO 354- Plant	CO1 Remember-Demonstrate the edaphic factors. CO2 Understand-Explain abiotic and biotic components CO3 Analyze- Distinguish between hydrosere and xerosere CO4 Remember- Familiarize the pollution ecology



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	Ecology BO 355- Cell and Molecular Biology BO 356- Genetics BO 3510- Medicinal Botany BO 3511- Plant Diversity and Human Health	CO1- Understand -Understand the ultra-structure and functioning of cell in the Microscopic and molecular level. CO2 Understand -Understand the basic and scientific aspects of diversity. CO3 Understand- Understand the cytological aspects of growth and development. CO4 Understand- Understand DNA as the basis of heredity and variation. CO1 Evaluate- Compare the Structure of chromosomes and cell divisions . CO2Analyse -Understand the Mendel's Laws, Multiple alleles, Polygenic inheritance. CO3Apply-Construct chromosome maps and Sex linked inheritance. CO4 Analyse-Understand population genetics. CO1 Remember - appreciate different types of Indian system of medicine CO2 Analyse-understand the importance of plant parts as drugs. CO3 Evaluate- appreciate the use of fruits, leaves and seeds in drug preparations CO4 Understand-mechanism of action of drugs on different systems in humans CO5 Apply-Cultivate medicinal plants, drug production and its evaluation CO1Understand -Explain the types of biodiversity, biosphere reserves and botanical gardens CO2 Understand - Describe the biodiversity assessment and inventory programme and methods for species identification and Classification. CO3Understand -Explain the conservation of biodiversity and national and International initiatives and organizations. CO1Understand-Understand the various physiological processes such as Ascent of
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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

SEM 2 T.Y.B.Sc	BO 361- Plant Physiology	Sap, Transpiration and Transport of ions. CO2Evaluate -Compare the photosynthetic mechanisms in different type of plants. CO3Analyse- Understand the process of respiration and the factors affecting respiration. CO4Apply- appreciate the Nitrogen fixation by Rhizobium and nitrogen metabolism.
	BO 362- Biochemistry	CO1Understand-Explain the role of enzymes in biological systems. CO2Understand-Describe the classification, structure and properties of carbohydrates . CO3Understand-Explain the properties, structure and biological significance of proteins. CO4Apply-Relate the types and biological significance of lipids .
	BO 363-Plant Pathology	CO1Apply -Make the students realize the importance of all physiological processes which take place in plant. CO2Understand - Understand the mechanical of various physiological processes related to plant life.
	BO 364- Evaluation and Population	CO1 Apply-Help the student to identify the crop plants and their wild relatives. CO2Understand - Understand the significance of modern technology to locate the distribution of endangered species.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	Genetics BO 365 – Advanced Plant Biotechnology BO 366- Plant Breeding and Seed Technology BO 3610- Nursery and Gardening Management	CO1 Understand - Learn the tissue culture techniques CO2Apply-perform the Micro propagation, Haploid culture and synthetics seed production. CO3Analyze- understand the genetic engineering, cloning vectors and gene transfer methods. CO4Remember-Understand the uses of microbes in Industry especially SCP CO5Evaluate- appreciate the waste management treatments and Biosensors CO1Understand-Understand the method of crop improvement. CO2 Understand -Understand the importance of horticulture in human welfare CO1Understand-Understand the importance of horticulture in human welfare. CO2UnderstandUnderstand the propagation and culture practices of useful vegetable , fruit and garden plant CO3Understand- Understand the basic concept in landscaping and garden designing. CO4 Apply-Inculcate interest in landscaping, gardening ans flower and fruit culture. CO1Apply- Develop their understanding on the concept of bio-fertilizer CO2Analyze- Compare the response and maintenance of Biofertilizer CO3Remember-Identify the different forms of biofertilizer and their uses
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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

T.Y.B.Sc Botany	BO 3611 Biofertilizer	CO4Apply- Develop the integrated management for better crop production CO5Apply- Produce the Green manuring and organic fertilizers Programme Specific Outcome - PSO-1 Realize the interdisciplinary link among various fields of Science PSO-2 Recognize, compare and trace the evolution of major groups of both lower (Algae, Fungi and Bryophyta) and higher (Pteridophytes, Gymnosperms and Angiosperms) plants. PSO-3 Correlate the structure with various functions of plants and acquire knowledge regarding reproduction and development of embryo. PSO-4 Trace the biochemical pathway and understand transformation of energy. PSO-5 Understand the organization of plants at gene, molecule, and cell and tissue level. PSO-6 Comprehend the microbial diversity and structure, appreciate their interaction with plants and apply their role in the field of Botany PSO-7 Apprehend the mechanism of heredity and plant breeding techniques. PSO-8 Get equipped with the identification and controlling of various plant diseases.
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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		PSO-9 Acquire various traditional and technology oriented biological skills and become self-reliant. PSO-10 Mingle with society and live in harmony with nature.
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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

DEPARTMENT OF ZOOLOGY

Department of Zoology	After successful completion of two year program in Zoology a student should be able to:
Programme Outcomes	PO-1. To develop understanding of various aspects of the chemical, physical and Life science
	PO-2. Use of advanced techniques, methods, modern equipments & software's.
	PO-3. Selection of the multidisciplinary approach for sustainable development.
	PO-4. Develop critical thinking & specific knowledge to design record & analyze results of theoretical and experimental concepts.
	PO-5. Solve the problems and finding the logical conclusion.
Course Outcome FYBSc Zoology Semester I and II	
Course Outcomes	After completion of these Courses students should be able to;
ZO-111 Animal Diversity-I	CO1 Define [L1: Remembering] Taxonomy, Systematics and Concept of Species with Basic terminology and Application [Applying]: of Various system classification.
	CO2 list [L1: Remembering] General characters of Kingdom Animalia, Grades of organization and Symmetry.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	CO3 Explain [L2: Understanding] Origin and importance of Metazoa, Protozoa and Porifera with their Classification.
	CO4 Discus [L6: Creating] Canal system, Skeleton Regeneration in Phylum Porifera and List [Remembering]: Economic importance of Phylum Porifera, Cnidaria and Platyhelminthes.
ZO-112 Animal Ecology	CO1 Explain [L2: Understanding] term- Concepts of Ecology, Environment, Population, Community, Ecosystem, Biosphere, Autecology and synecology.
	CO2 Define [L1: Remembering] and Explain [Evaluating] types of ecosystems, Food chain and Eutrophication in lakes and rivers.
	CO3 Explain [L2: Understanding] Density, Natality, Mortality, Fecundity tables, survivorship curves, age ratio, sex ratio, dispersal and dispersion and Discus [L6: Creating] Exponential and logistic growth, Population regulation,
	CO4 Discus [L6: Creating] Population interactions, Gause's Principle with laboratory and field interactions, Quadrata line and belt transect methods.Types [L1: Remembering] of Animal interactions.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

ZO-113 Zoology Practical.	CO1. Explain [L2: Understanding] phylum Protozoa, Porifera, Cnidaria, Platyhelminthes. Determination [L5: Evaluating] of density, frequency and abundance of species by quadrat method.
	CO2. Discuss [L6: Creating] Paramecium and Survey [L4: Analyzing] of Zoological Museum/National Park.
	CO3. Create [L6: Creating] of permanent slides: Spicules and Gemmules in Sponges and Identification of any three-museum specimen with help of taxonomic identification key.
	CO4 Estimation [L5: Evaluating] of Dissolved oxygen / Alkalinity / carbon dioxide from given water sample. Estimation [Evaluating] of water holding capacity of given soil sample
ZO-121	CO1 Explain [L5: Evaluating] Salient features and Classification [Understanding] of Phylum Aschelminthes with their Economic importance.
Animal Diversity-II	CO2 Explain [L5: Evaluating] Salient features and Classification [Understanding] of Phylum Annelida with their Economic importance.
	CO3 Explain [L5: Evaluating] Salient features and Classification [Understanding] of Phylum Arthropoda and Mollusca with their Economic importance and Discuss [Creating] mouth parts in insects.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	CO4 Classification [L2: Understanding] of Phylum Echinodermata and Discus [L6: Creating] a) Asterias rubens b) Pedicellaria in Echinodermata.
ZO-122	CO1 Importance [L5: Evaluating] Importance of Cell Biology and its applications in industry.
Cell Biology.	CO2 Observed [L4: Analyzing] Structure and function of Prokaryotic and Eukaryotic cells.
	CO3 Discuss [L6: Creating] Plasma membrane (Fluid mosaic model). Explain [L2: Understanding] ultrastructure of Cell organelles
ZO-123	CO1 Explain [L2: Understanding] Phylum Aschelminthes, Annelida, Arthropoda, Mollusca and Echinodermata.
Zoology Practical.	CO2 Create [L6: Creating] a permanent slide: Mouthparts of Insects and Types of Shells in Mollusca. Visit to Survey [L4: Analyzing] of vermicomposting unit/ field for insect pest collection and its identification.
	CO3 List [L1: Remembering] Economic importance of honey bees, Lac insects silk worms, red cotton bug, Anopheles mosquito



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	CO4 Compare [L2: Understanding] Simple and Compound Microscope and Measurement of microscopic objects- observe the blood cells, preparation of mitotic cell from onion roots, Develop [L6: Creating] temporary mount of human buccal epithelial cells and Study of Cell organelles by using microphotographs.
Course Outcome SYBSc Zoology Semester I and II	
ZO-231 Animal Diversity-III	CO1 Explain [L2: Understanding] Origin & Ancestry of Chordates and Comparative account of fundamental characters of Chordates with Non-Chordates.
	CO2 Explain [L5: Evaluating] characters of Group Protochordata, subphylum – Vertebrata. Illustrate [L2: Understanding] order of Amphibia with parental care.
	CO3 Illustrate [L2: Understanding] Salient features of Class – Pisces with examples and list [Analyzing] Types of Scales and Fins in Fishes.
	CO4 Examination [L4: Analyzing] and Identification [L4: Applying] of Various part of Respiratory, Nervous, reproductive and Circulatory System <i>Scoliodon</i>.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

ZO-232 Applied Zoology-I	CO1. Explain [L2: Understanding] Sericulture and Discus [L6: Creating] Study of different types of silk moths, their distribution, Taxonomic position and varieties of silk produced in India.
	CO2 Explain [L2: Understanding] External Morphology and life cycle of Bombyxmori and selection of mulberry varieties.
	CO3 Identify [L3: Applying] and Explain [L2: Understanding] Agricultural Pests, types of pests, Major insect pests and Non insect pest of agriculture.
	CO4 Discus [L6: Creating] various Pest control practices in brief.
ZO-233 Zoology Practical	CO1 Explain [L2: Understanding] Group Protochordata, class- Pisces, Class- Amphibia, fishes.
	CO2 Discuss [L6: Creating] external characters, digestive system and brain and Temporary preparation of scales & its identification of locally available fish.
	CO3 Visit to Survey [L4: Analyzing] of pond ecosystem with reference to Pisces and amphibians and Sericulture farm/ Agricultural farm report writing and submission.
	CO4 Examine [L4: Analyzing] life-cycle, equipments, submission of Photographs in Sericulture, Discuss [L6: Creating] following insect pests and non-insect pest.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

ZO-241 Animal Diversity-IV	CO1 Comparative [L4: Analyzing] Study of Venomous and Non-venomous snakes and Discus Snake venom, symptoms, effect and cure of snake bite, first aid treatment of snakebite and adaptations in reptiles in brief.
	CO2 Explain [L5: Evaluating] Salient features of class Aves and Mammalia with examples. Discus [L6: Creating] Flight adaptations in birds.
	CO3 Name [L1: Remembering], Explain [L2: Understanding] types of Beaks, feet and Migration in birds.
	CO5 Examination [L4: Analyzing] and Identification [L3: Applying] of Various part of Respiratory, Nervous, reproductive and Circulatory System of Rat.
ZO-242 Applied Zoology-II	CO1 Explain [L2: Understanding] and Discus [L6: Creating] Apiculture, Systematic position, Study of habit, habitat and Life cycle.
	CO2 Name [L1: Remembering] and Explain [L2: Understanding] various types of Bee keeping equipments, Bee products, Diseases and enemies of Apiculture.
	CO3 Define [L1: Remembering] Bee pollination and Discus [L6: Creating] management of bee colonies for pollination.
	CO4 Discus [L6: Creating] fisheries and its types (in brief) and Explain [L5: Evaluating] Habit, habitat and culture methods.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

ZO-243 Zoology Practical	CO1 Identification [L3: Applying] of Venomous & Non-venomous snakes and Study of reptilian diversity in and around the campus.
	CO2 Illustrate [L2: Understanding] types of beaks & feet in birds (Aves) and Study of avian diversity in and around the campus.
	CO3 Examine [L4: Analyzing] life-cycle, polymorphism, equipments, Bee products and Bee enemies in Apiculture.
	CO4 Visit to Survey [L4: Analyzing] of Apiculture institute / Fish farm/ Aquarium / Wildlife sanctuary / Bird sanctuary and Zoo.



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 Programme Outcomes, Programme Specific Outcomes and Course Outcomes

DEPARTMENT OF MATHEMATICS

F.Y.B.Sc.Mathematics			
Semester I			
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
MT-111	Algebra	1	Recall[L1:Remembering] the concept of Sets. Classify [L2:Understanding] equivalence relation. Identify[L3:Applying] the function. Find [L1:Remembering] inverse of function and composition of functions.
		2	Solve examples [L3:Applying] on Mathematical induction. Define [L1:Remembering] well-ordering Principle. Explain[L2:Understanding] Division Algorithm. Prove[L5:Evaluating] the properties of g.c.d. Find[L1:Remembering] g.c.d. by using Euclidean Algorithm.
		3	Recall [L1:Remembering] Fundamental Number of Arithmetic. illustrate[L2:Understanding] properties of Prime Numbers. Euclid's Lemma. Prove[L5:Evaluating] Basic Properties of congruence. Make use of [L3:Applying] Fermat's Theorem to find reminder.
		4	Recall [L1:Remembering] Sums and Products of complex numbers. Interpret[L2:Understanding] complex number. Apply[L3:Applying] De-Moivre's theorem. Prove [L5:Evaluating] nth roots of unity.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

MT-112	Calculus-I	1	Explain [L2:Understanding] the Algebraic and order properties of R. Prove [L5:Evaluating] Arithmetic Mean-Geometric mean inequality and Bernoulli's inequality. Determine [L5:Evaluating] the given set. Find [L1:Remembering] supremum and infimum of given set. Apply [L3:Applying] density theorem to find rationals between reals.
		2	Define [L1:Remembering] sequence and limit of sequence. Illustrate [L2:Understanding] limit theorems. Examine [L4:Analyzing] for convergent and bounded sequence. Make use of [L3:Applying] Monotone convergence sequence to find limit of sequence.
		3	Define [L1:Remembering] Functions, domain, range, Determine [L5:Evaluating] increasing or decreasing functions, even or odd functions. Make use of [L3:Applying] Squeeze theorem to find limit of function. Evaluate [L5:Evaluating] limit of given function. Explain [L2:Understanding] one sided limit and limit at infinity.
		4	Recall [L1:Remembering] continuous function at a point. Explain [L2:Understanding] properties of continuous functions on an interval. Apply [L3:Applying] Location of root theorem for finding roots in interval. Discuss [L6:Creating] function for continuity.
MT-113	Mathematics Practical	1	Label [L1:Remembering] the graph of function
		2	Demonstrate [L2:Understanding] equivalence class of each element of given set.
		3	Identify [L3:Applying] monotonic increasing and monotonic decreasing sequence of real number.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		4	Solve [L6:Creating] examples by using Maxima software.
Semester II			
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
MT-121	Analytical Geometry	1	Define [L1:Remembering] translation and rotation of axis.Explain[L2:Understanding] General equation of second degree in two variables.Discuss[L6:Creating] nature of conic.Classify [L4:Analyzing] second degree equation.
		2	Recall [L1:Remembering] Direction cosines and direction ratios. Apply [L3:Applying] different form of equation of plane to find its equation.
		3	Explain [L5:Evaluating] equations of a line in Symmetric and unsymmetrical forms.
		4	Recall [L1:Remembering] equation of a sphere in different forms. Explain [L5:Evaluating] Equation of tangent plane to sphere.
MT-122	Calculus-II	1	Explain [L2:Understanding] Mean value theorems.
		2	Apply [L3:Applying] Leibnitz theorem for successive differentiation.
		3	Solve [L6:Creating]Linear first order equations.
		4	Find [L1:Remembering] integrating factors. Decide [L5:Evaluating] Exact differential equations.
MT-123	Mathematics Practical	1	Find [L1:Remembering] centre of conic.
		2	Examine [L4:Analyzing] condition for coplanerlines.Explain [L2:Understanding] L'Hospital Rules.



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		3	Make use of [L3:Applying] Maxima software to find nth derivative of given function.
		4	Solve [L6:Creating] Exact differential equation..
S.Y.B.Sc.Mathematics			
Semester III			
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
MT-231	Calculus of Several Variables	1	Recall [L1:Remembering] Domain and Range of function of two variables. Evaluate [L5:Evaluating] limit of function of two and three variables.
		2	Define [L1:Remembering] partial derivatives. Illustrate [L2:Understanding] chain rule for composite function.
		3	Examine [L4:Analyzing] function for extremum. Discuss[L6:Creating] nature of function.
		4	Find [L1:Remembering] double integrals. Evaluate[L2:Understanding]double and triple integrals. Change [L6:Creating] the variables in double and triple integrals.
MT-232(A)	Numerical Methods and Its Applications	1	Recall [L1:Remembering] errors in number. Explain [L2:Understanding] iterative Methods. Construct [L6:Creating] Newton Raphson Formula.
		2	Construct [L3:Applying] Difference table. Explain [L2:Understanding]Lagranges Interpolation formula.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		3	Compare [L2:Understanding] Simpsons's 1/3 rd rule and 3/8th rule. Apply [L3:Applying] Trapezoidal rule to find numerical integration.
		4	Solve [L3:Applying] differential equations by using Taylor Series method Picards method , Euler's method and Runge - Kutta Method.
MT-233	Mathematics Practical	1	Find [L1:Remembering]Absolute,Relative and Percentage errors..
		2	Demonstrate [L2:Understanding] level curves and graph of function.Determine[L5:Evaluating] the function for extremum.
		3	Solve [L3:Applying] algebraic and transcendentalequation by iterative methods using Maxima software.
		4	Solve [L6:Creating] differential equation by using Eulers Method.
Semester IV			
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
MT-241	Linear Algebra	1	Recall [L1:Remembering] Row and Reduced row echelon form of matrix. Rank of matrix. Apply [L3:Applying] Gauss elimination and Gauss-Jordan elimination method . Examine [L4:Analyzing] consistency of linear system.
		2	Determine [L5:Evaluating] linear independence and dependence.
		3	Find [L1:Remembering] dimension of vector space, rank and nullity of matrix.
		4	Explain [L2:Understanding] properties of linear transformation. Discuss [L6:Creating] Rank-Nullity theorem.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

MT-242(A)	Vector Calculus	1	Recall [L1:Remembering] Limit, Continuity and Derivatives. Discuss [L6:Creating] curvature and normal vectors for a space curve.
		2	Evaluate [L5:Evaluating] line integral. Apply [L3:Applying] greens theorem in the plane.
		3	Find [L1:Remembering] Surface integrals of vector field.
		4	Explain [L2:Understanding] the curl vector field and the conservative fields. Examine [L4:Analyzing] Stokes theorem. .
MT-243	Mathematics Practical	1	Find [L1:Remembering] Rank of matrix.
		2	illustrate [L2:Understanding] Row, Column and Null Space of a matrix.
		3	Make use of [L3:Applying] Maxima software to find gradient fields.
		4	Explain [L6:Creating] Divergence in three dimensions and Divergence theorem.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

DEPARTMENT OF COMMERCE

BACHELOR OF COMMERCE

Programme Outcomes	Commerce
PO1:	To develops the required knowledge, skills, and attitudes for the handling of Trade, Commerce and Industry.
PO2:	To Meet the growing needs of the business society.
PO3:	The Commerce education is dedicated to developing tomorrow's leaders, managers and professionals.
PO4:	The students can get through knowledge of finance and commerce.
PO5:	Capability of the students to make decision at personal and professional level will increase after completion of this course.
PO6:	To Understand the practical issues and challenges that the trade world encounters.
PO7:	Acquire the essential knowledge on the successful prospects of business.

First Year -
BCom.

Semester-
I

Course Code	Course Name	Course Outcomes	After successful completion of course student will able to



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

112	Financial Accounting	1	Recall[L1:Remembering]Accounting Concepts, Conversions and Principles
		2	Classify[L2:Understanding] Piecemeal distribution of cash practical problems and theory
		3	Identify[L4:Applying] Process of Single entry system converted into Double entry system
		4	Identify[L2:Understanding] about Goods and Service Tax Law
114 B	Computer Concepts and Application	1	Recall[L1:Remembering] Basic Concepts of Compute and Operating System
		2	Classify[L2:Understanding] Office Automation Tools such as MS-Word,MS Excel and MS PowerPoint
		3	Recall[L3:Remembering] Computer Network
		4	Identify[L3:Applying] Computer application in Business and E-Commerce
115-B	Banking and Finance	1	Recall[L1:Remembering] Evaluation and Structure of Indian Banking
		2	Identify[L4:Understanding] Functions of Bank
		3	Identify[L3:Applying] Procedure of opening and Operating of Deposit Account
		4	Identify[L4:Understanding] Methods of Remittance



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

116 C	Marketing and Salesmanship	1	[L2:Understanding] Market and Marketing
		2	Identify[L2:Understanding] Market Segmentation and Marketing Mix
		3	Identify[L2:Understanding] Market Segmentation and Marketing Mix
		4	Classify[L2:Understanding] Place Mix and Promotion Mix and various channels of Distribution
		Semester II	
122	Financial Accounting	1	Identify[L2:Understanding] about computerised accounting and its utility
		2	Identify[L2:Understanding] Accounting of Charitable Trust
		3	Identify[L3:Applying] Process of Single entry system converted into Double entry system
		4	Identify[L2:Understanding] about Goods and Service Tax Law
114 B	Computer Concepts and Application	1	Recall[L1:Remembering] Basic Concepts of Compute and Operating System



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		2	Classify[L2:Understanding] Office Automation Tools such as MS-Word,MS Excel and MS PowerPoint
		3	Recall[L1:Remembering] Computer Network
		4	Identify[L3:Applying] Computer application in Business and E-Commerce
115-B	Banking and Finance	1	Recall[L1:Remembering] Evaluation and Structure of Indian Banking
		2	Identify[L2:Understanding] Functions of Bank
		3	Identify[L3:Applying] Procedure of opening and Operating of Deposit Account
		4	Identify[L4:Understanding] Methods of Remittance
116 C	Marketing and Salesmanship	1	[L2:Understanding] Market and Marketing
		2	Identify[L2:Understanding] Market Segmentation and Marketing Mix
		3	Identify[L2:Understanding] Market Segmentation and Marketing Mix
		4	Classify[L2:Understanding] Place Mix and Promotion Mix and various channels of Distribution



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		SYB.Com Semester III	
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
232	Corporate Accounting- I	1	Recall[L1:Remembering]AccountingStandards
		2	Classify[L2:Understanding] Profit Prior to incorporation practical problems and theory
		3	Identify[L3:Analizing] Company Final Accounts
		4	Identify[L2:Understanding] Valuation of Shares
231	Business Communication- I	1	Identify[L2:Understanding] Introduction to Business Communication
		2	Identify[L3:Applying] Business Letters
		3	Identify[L2:Understanding] Various Types of soft skills
		4	[L3:Applying] resume writing and job application letters
235	Element of Company Law- I	1	Identify[L2:Understanding] Company Acts 2013 Introduction & concepts



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		2	Identify[L2:Understanding] Formation & Incorporation of a Company
		3	Identify[L2:Understanding] Principal documents related to incorporation & raising of capital of company
		4	Identify[L2:Understanding] Various point of view about capital of the company
234	Business Management- I	1	Identify[L2:Understanding] Introduction to Management & Role of Management thinkers
		2	Identify[L2:Understanding] How to plan various management activities & developing decision making skills
		3	Identify[L2:Understanding] Importance & Process of Organizing, Authority, Process of recruitment
		4	Identify[L3:Applying] How to direction a group, team building skills, healthy discussion
236E	Cost & Works Accounting - I	1	Recall[L1:Remembering] Basic of Cost Accounting
		2	Identify[L2:Understanding] Element of cost & Cost Sheet
		3	Identify[L2:Understanding] Purchase procedure & its Documentation
		4	[L4:Analysing] Inventory control



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236B	Indian Banking System- I	1	Recall[L1:Remembering] Indian Banking structure
		2	Identify[L2:Understanding] Central Banking (RBI)
		3	Identify[L2:Understanding] Private Banking In India , [L4:Analysing] Old & New Private Banking in India
		4	Identify[L2:Understanding] Challenges before Public sector Bank , [L4:Analysing] Public sector Banking In India
236H	Marketing Management- I	1	Recall[L1:Remembering] Element of marketing Management
		2	Identify[L2:Understanding] Marketing Strategy & Consumer Behaviour
		3	Identify[L3:Applying] Marketing Planning
		4	[L4:Analysing] Marketing Research & its Impact on Decision Making
		SYB.Com Semester IV	
242	Corporate Accounting- II	1	Classify[L2:Understanding] Accounting procedure for holding company



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		2	Classify[L2:Understanding] Concept of absorption of companies, Identify[L3:Applying] The skills of accounting process of absorption
		3	Classify[L2:Understanding] liquidation of companies, Identify[L3:Applying] The skills of practical application
		4	Recall[L1:Remembering] Forensic Accounting
241	Business Communication- II	1	Identify[L2:Understanding] Report Writing & Internal correspondence
		2	Identify[L2:Understanding] Recent trends in business communication
		3	Recall[L1:Remembering] Business Letters, [L6:creating] drafting of business letters
		4	Identify[L2:Understanding] Writing formal mail & blog Writing
245	Element of Company Law- II	1	Identify[L2:Understanding] Procedure & Practice of Company Management
		2	Identify[L2:Understanding] about the key managerial persons & CSR
		3	Identify[L3:Applying] training to Various types of meeting
		4	Identify[L2:Understanding] Various point of view about capital of the company



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

244	Business Management- II	1	Identify[L2:Understanding] Basic motivational tools used in management field
		2	Identify[L2:Understanding] Leadership skills in Organization
		3	Identify[L3:Applying] co ordination of group
		4	Identify[L2:Understanding] Emerging trends in business management
246E	Cost & Works Accounting - II	1	Identify[L2:Understanding]different pricing methods in material accounting
		2	Identify[L2:Understanding] labour cost & Payroll
		3	Identify[L2:Understanding] other aspects of labour
		4	Identify[L2:Understanding] Direct tax & JIT, CAM ,ERP
246B	Indian Banking System- II	1	Identify[L2:Understanding] Co operative banking structure in India
		2	Identify[L2:Understanding] Functions & role of development banking in India
		3	Identify[L2:Understanding] Various concepts of banking
		4	Identify[L2:Understanding] goals &measures in banking reforms, [L4:Analysing] Role of various committees in Banking sector reforms



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246H	Marketing Management- II	1	Identify[L2:Understanding] GreenMarketing
		2	Identify[L2:Understanding] E-Marketing
		3	Identify[L2:Understanding] Digital-Marketing
		4	Identify[L2:Understanding] Theoretical& conceptual knowledge of internationalMarketing
	TYB.Com Sem.V		
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
		T Y B Com 2021-22	Semester-V
351	B.R.F	1	Recall[L1:Remembering] Indian Contract Act 1872
		2	Identify[L2:Understanding] Law of Partnership 1932, LLP Act 2008
		3	Identify[L2:Understanding] Sale of Goods Act 1930
		4	Identify[L2:Understanding] E contract
352	Advamced Accounting	1	Recall[L1:Remembering] Accounting Standard & Financial Reporting



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		2	Identify[L3:Applying] Accounting for Capital Restructuring (Internal Reconstruction)
		3	Identify[L2:Understanding] Final Accounts of Banking Companies
		4	Identify[L3:Applying] Investment Accounting
354	Auditing & Taxation	1	Recall[L1:Remembering] Introduction to Principles of Auditing and Audit Process
		2	Identify[L2:Understanding] Checking, Vouchin, audit Report & Auditing Standard
		3	Recall[L1:Remembering] company Auditor-qualification, disqualification, Appointment, Removal
		4	Identify[L2:Understanding] Audit of Computerized Systems& Forensic Audit
355B	Banking & Finance - II	1	Identify[L2:Understanding] Indian Banking system- Institute, Markets, Instruments
		2	Identify[L2:Understanding] Indian Money Market- Meaning, Stucture , Functions , Institute,& reforms
		3	Identify[L2:Understanding] Indian Capital Market- Meaning, Stucture , Functions , Participants & reforms
		4	Identify[L2:Understanding] Foreign Exchange Market- Meaning, , Functions , Participants & exchange risk management



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355E	Cost & Works Accounting-II	1	Recall[L1:Remembering] Overheads- Meaning, Classification
		2	Identify[L2:Understanding] Accounting of Overhead -theory & Practical Problems
		3	Identify[L2:Understanding] Accounting of Overhead -theory & Practical Problems
		4	Identify[L2:Understanding] Activity Based Costing -theory & Practical Problems
355H	Marketing Management - II	1	Recall[L1:Remembering] Market Demand and Sales Forecasting
		2	Identify[L2:Understanding]Marketing of Non-Profit Organization-Concept,
		3	[L4:Analysing] Changing Role of Marketing Organizations
		4	Identify[L2:Understanding] Brand Building Strategy Concept, Strategy key Various types
306 B	Banking & Finance - III	1	Identify[L2:Understanding] Laws relating to Banking Act 1949 and Banking Law applicable to Cooperative Banks
		2	Identify[L2:Understanding]Negotiable instrument Act-1881 Definitions, Features,presumptions of negotiable instruments[L3:Applying] difference between Cheque, Promissory Notes



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		3	Identify[L2:Understanding] Insolvency and Bankruptcy Code, 2016.
		4	Identify[L2:Understanding] Banking Ombudsman Scheme-2006
305 E	Cost & Works Accounting-III	1	Identify[L2:Understanding] Marginal Costing: Meaning, Concept [L4:Analysing] cost profit volume
		2	Identify [L2:Understanding] Budgetary Control- Definition, Objectives, Procedure, types, Advantages and limitations
		3	Identify[L2:Understanding] Uniform Costing and Interfirm comparison Meaning, Advantages and limitations
		4	Identify[L2:Understanding] Introduction of MIS System in Costing
305 H	Marketing Management - III	1	Identify[L2:Understanding] Fundamentals of advertising and advertising media, E advertising
		2	Identify[L2:Understanding] Appeals and approaches in advertisement, positive and negative approaches



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		3	Identify[L2:Understanding] Economic, Social and Regulatory Aspects of Advertising Sources
		4	Identify[L2:Understanding] Brand Approaches- Introduction, Brand Identity, Brand extension[L4:Analysing] Brand Identity Sources
	TYB.Com	Semester - VI	
361	BRF	1	Identify[L2:Understanding] Negotiable Instruments Act,1881
		2	Identify[L2:Understanding] E-Contracts (ETransactions/ECommerce.)
		3	Identify[L2:Understanding] The Consumer Protection Act,2019
		4	Identify[L2:Understanding] Intellectual Property Rights
362	Advanced Accounting	1	Identify[L2:Understanding] Final Accounts of Co-operative Societies
		2	Identify[L2:Understanding] Branch Accounting-stock & debtors methods Theory & Practical Problems
		3	Identify[L2:Understanding] Recent Trends in Accounting



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 Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		4	Identify[L3:Analizing] Financial statement- ratio Analysis
364	Auditing & Taxation	1	Identify[L2:Understanding] Income Tax Act-1961- Important Definitions and Concepts.
		2	Identify[L2:Understanding] Sources and Computation of Taxable Income under the various Heads of Income
		3	Identify[L3:Analizing] Computation of taxable income under the various heads of income- salary. House property, business. Capital gain & other sources
		4	Identify[L3:Analizing] E-Filing and E-provisions
365B	Banking and Finance II	1	Identify[L2:Understanding] Basic Concepts of Stock Market
		2	Identify[L2:Understanding] Stock Trading, Cash Market, Future & Option Market
		3	Identify[L2:Understanding] Non -Banking Financial Institutions



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		4	Identify[L2:Understanding] Regulatory Bodies SEBI and IRDA
365E	Cost and Works Accounting -II	1	Identify[L2:Understanding] Method of costing,job Costing
		2	Identify[L2:Understanding] Contract costing Meaning Work Certified,profit on incomplete contract
		3	[L4:Analysing] Process costing- meaning. Features,preparation, job products
		4	Identify[L3:Applying] Service Costing-meaning , cost unit, preparation of cost sheet
365H	Marketing & Management -II	1	Identify[L2:Understanding] Agricultural Marketing -meaning, types Features,types of market
		2	Identify[L2:Understanding]Marketing Regulations,Importance Regulations
		3	Identify[L2:Understanding] Global Marketing, Meaning, Definition, Features Elements
		4	Identify[L2:Understanding] Cyber Security Marketing,Meaning Advantages and Challenges



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

366B	Banking & Finance -III	1	Identify[L2:Understanding] Cyber Crimes in Banking, Meaning, Types, Virus attack
		2	Identify[L2:Understanding] Paying and Collecting Banker, Meaning and Definition
		3	Identify[L2:Understanding] Banker and Customer Relationship, Definition, Relationship as Debtor and Creditor
		4	Identify[L2:Understanding] Bank Advances Secured and Unsecured loans, Types, Loans Causes of loan recovery problems
366E	Cost and Work Accounting II	1	Identify[L2:Understanding] Standard Costing: Definition, Objectives, Procedure, types, Advantages and limitations, [L4:Analysing] Variance Analysis
		2	Identify[L2:Understanding] Pricing Decisions, Principles of Product Pricing
		3	Identify[L2:Understanding] Cost Accounting Standards and Cost Management for Specific Sector
		4	Identify[L2:Understanding] Cost Accounting Record Rules & Cost Audit
366H	Marketing Management - III	1	Identify[L2:Understanding] Service Marketing: Meaning, Definition, Characteristics, Components, B2B Services and B2C Services, Importance of Services



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		2	Identify[L2:Understanding] Creative Advertisements Meaning,:nature and scope, Types of data
		3	Identify[L2:Understanding] Introduction to Social Media,Meaning , Importance , Myths
		4	Identify[L2:Understanding] Marketing Control-Meaning and Definition, Audit – Meaning, characteristics, objectives, process of Marketing Audit.
	M.Com. I Semester I		
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
101	Management Accounting	1	Identify[L2:Understanding] concept of Financial Accounting and its limitations, emergence, advantages
		2	Identify[L2:Understanding] concept of Marginal Costing, its applications, different techniques of managerial cost accounting
		3	Identify [L2: Understanding] the concept of budget and budgetary control, types of budgets and preparation of functional budgets in and organization.
		4	Identify[L2:Understanding] concept of Working Capital Management, determination, components of working capital,
			Identify[L2:Understanding]



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

102	Strategic Management	1	Identify[L2:Understanding] the concept and the process of Strategic Management
		2	Identify[L2:Understanding] External and Internal Business Environment for effective Strategy [L4:Analysing] of Strategic analytical skills and to design an effective Strategic Plan
		3	Identify[L3:Applying] for effective plan , implementation and evaluation of alternatives
		4	Identify[L3:Applying] Technical and Analytical abilities, Analytical and Managerial Abilities for critical evaluation
113	Production and Operation Management	1	Identify[L2:Understanding] the inherent conflict of interest in many business decisions Production and Operation Management
		2	Identify[L2:Understanding] the scope and Process of Supply Chain Management and various career opportunities
		3	Identify[L3:Understanding] Production Planning and Control, Product Design and Development
		4	Identify[L2:Understanding] importance of Total Quality Management , emerging issues in Production and operation Management



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

114	Fundamentals of financial analysis and control	1	Identify [L2:Understanding] Financial Management and · Financial System of India.
		2	Identify [L2:Understanding] Financial Statements and [L3:Applying] the Financial Statements
		3	Identify [L3:Analizing] Investment Decisions the Capital Budgeting Techniques
		4	Identify [L2:Understanding] meaning and nature of Working Capital and formulate Credit and Collection policy
	M.Com. I (Semester II)		
201	Fundamentals of financial analysis and control	1	Identify [L2: Understanding] basics of financial analysis.
		2	Identify [L2: Understanding] practically comparing financial results of different years and different companies.
		3	Identify [L2: Understanding] importance of cash liquidity , cash and fund flows in an organization.
		4	Identify [L3: Applying] Skill of appropriate use of different ratios and the financial performance of entities.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

202 A	Industrial Economics	1	Identify [L2:Understanding] Overview of industrial economics and the concepts used in industrial economics
		2	Identify [L2:Understanding] the theories of industrial location and industrial imbalance in India
		3	Identify [L2:Understanding] about industrial productivity and efficiency
		4	Identify [L2:Understanding] industrial finance and its sources and problems of small and micro industries in India
213	Business Ethics & Professional Values	1	Identify [L3:Applying] established methodologies of solving ethical problems, significance of Professional Values
		2	Identify [L3:Analizing] of Corporate Governance and Value Based Management
		3	Identify [L2:Understanding] unethical issues in Finance, Marketing, IT, HRM and at workplace
		4	Identify [L2:Understanding] environmental issues and its impact on Business and Sustainable Development
214	Elements of Knowledge Management	1	Identify [L2:Understanding] Conceptual Skill and Improving analytical Ability



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		2	Identify [L2:Understanding] Tools and Techniques , Concepts, meaning, Types
		3	Identify [L2:Understanding] Finance, Marketing and E Commerce and Total Quality Management
		4	Identify [L2:Understanding] Meaning , Nature , Scope and knowledge strategy, knowledge Engineering and IT based Services

	M.Com.II Semester III		
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
301	BUSINESS FINANCE	1	Identify [L2:Understanding] the role and importance of corporate finance, and learn the calculation value of money
		2	Identify [L2:Understanding] financial planning, theories of capitalization and estimation of finance need of firm.
		3	Identify [L2:Understanding] learn the sources of finance to be tapped for running business successfully.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		4	Develop[L3:Applying] best practice in working capital management.
302	RESEARCH METHODOLOGY FOR BUSINESS	1	Identify[L2:Understanding] External and Internal Business Environment for effective Strategy [L4:Analysing] of Strategic analytical skills and effective Strategic Plan
		2	Identify[L2:Understanding]concept and techniques of Research Problem various aspects and methods of testing of Hypotheses , [L3:Applying] the nature of Research design and Sampling
		3	Identify[L2:Understanding]method of data collection and formulating questionnaire
		4	Identify[L2:Understanding] types and structure of Research Report,citation and bibliography
314	Organizational Behaviour	1	Identify[L2:Understanding] meaning,definition and concepts of OB,well acquainted organizational environment,technology and structure
		2	Identify[L2:Understanding] Networks and designs followed in OB,OrganizationalCulture,conceptPersonality,Outcomes from Job Satisfaction
		3	Identify[L2:Understanding] meaning and Types of Motives ,theory of Vroom's Expectancy,Concept and characteristics of Emotional Intelligence



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		4	Identify[L2:Understanding] meaning and Causes of Stress ,Conflict,Conceptand,Types of Group and Team building
313	Human Resource Management	1	Identify[L2:Understanding] meaning, definition and concepts of HRM functions and challenges of HRM in changing scenario of the business,career employees,
		2	Identify[L2:Understanding] objectives of HRP ,development., find the need and estimation of HRP and development, recruitment and selection process
		3	Identify[L2:Understanding] meaning and Purpose of Training, Importance, Benefits, Training process and methodology ,training and aids meaning and benefits of Competency mapping ,methods of performance appraisal,Merit Rating
		4	Identify[L2:Understanding] meaning and concept of retirement, resignation, discharge, dismissals, concept of E-HR, benefits,new trends in HRM,technologyHRM,VirtualWork,Artificial Intelligence
	M.Com. II Semester IV		
401	Capital Market and Financial Services	1	Identify[L2:Understanding] the importance and working of capital Market



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		2	Identify[L2:Understanding] the working of BSE and NSE, and OTCEI in detail, Functions of Primary Market and Secondary Market
		3	Identify[L2:Understanding] the role of inter-mediatories, Mutual funds. Portfolio management
		4	Identify[L2:Understanding] the role of SEBI in regulating stock exchanges and investors educations and financial advisors
402	Industrial Economic Environment	1	Identify[L2:Understanding] Economic Environment Constituents & its elements of Economic & Non-Economic Environment
		2	Identify[L2:Understanding] changes in Industrial growth and pattern after 1991, Industrial Growth Pattern Since 8th Plan and Public Sector industries –Role, Problems and Present
		3	Identify[L2:Understanding] features of industrial policies of Government of India since independence and Recognizing progress & performance of SEZ in India
		4	Identify[L2:Understanding] progress & problems of major industries in India.
413	Recent Advances in Business Administration	1	Identify[L2:Understanding] Change management – Concept, Significance. Managing change-Important features, Principles



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		2	Identify [L4:Analysing] the challenges before cutomercentericorganizationan and way to measure the success of customer centric company
		3	Identify [L2:Understanding] concept and significance of Global Management and Current Trends in acquisitions & mergers on national & international scenario
		4	Identify [L2:Understanding] Turn around Management - Concept & Significance, Techniques prerequisite for success, Role of Government and Private Institutions in promoting innovation



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

DEPARTMENT OF BUSINESS ADMINISTRATION

			Department of B.B.A 2022-23
	First Year B. B. A. [COS]	Semester I	
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
101	Principles of Management	1	Recall[L1:Remembering] Importance, Functions, Role of Managers
		2	Classify[L2:Understanding] Concept of Management, Administration, Organization &Universality of Management
		3	Identify[L4:Applying] Decision Making Types, Process, and Techniques Directions nature and principles
		4	Identify[L2:Understanding] Management of change and crises
102	Business communication Skill	1	Recall[L1:Remembering] Principles of effective communication, Barriers to communication and over comings
		2	Classify[L2:Understanding] VariousMethods of Communications,
		3	Recall[L3:Remembering] Concept ,need and functions of Business .Correspondence



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		4	Identify[L3: Applying]Fax communication ,voice mail ,emails ,tele conferencing , communication through social media
103	Business Accounting	1	Recall[L1: Remembering] Computation ability in business ability to distinguished between various accounting concepts and practices
		2	Identifyfy[L4: Understanding] write different accounting tractions and prepare basic financial tractions
		3	Identify[L3: Applying] preparation of Bank Reconciliation Statement
		4	Identify[L4: Understanding] use software like tally for writing of accounts
104	Business Economics -Micro	1	[L2: Understanding] Role and purpose of economics in society and economic
		2	Identify[L2: Understanding] Implications of different aspects of demand and supply
		3	Identify[L2: Understanding] Role and function of revenue in different economic decision
		4	Classify[L2: Understanding] Market forces governing economic situations
105	Business Mathematics	1	Identify[L1: Applying] Banking and taxation and Calendar



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		2	Identify[L2:Understanding] Ability to examine concept of discount in different business situations
		3	Identify[L3:Understanding] apply the various concepts in business situations
		4	Classify[L4:Understanding] Develop the skills for data interpretation and inferences.
106	Business Demography	1	Recall[L1:Remembering] Rational understanding of demography, analysis and effects on society
		2	Classify[L2:Understanding] Method of assessment of population growth
		3	Recall[L3:Remembering] Concept of literacy and its importance in modern society
		4	Identify[L3:Applying] understand the various determinants of urbanization and migration
			Semester -II
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
201	Business Oraganisation & System	1	Recall[L1:Remembering] learn how a business unit works and serves the society,



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		2	Classify[L2:Understanding] The significance of different forms of business organizations their types, function, merits and limitations.
		3	Recall[L3:Remembering] Identification of ideas and opportunities
		4	Identify[L3:Applying] To give a brief introduction to stages of internationalization
202	Principal of Marketing	1	Recall[L1:Remembering] Ability to learn how marketing functions in a given environment
		2	Identify[L2:Understanding] Internal and external factors influencing marketing environment
		3	Identify[L3:Applying] Develop understanding regarding various aspects of Price Marketing.
		4	Identify[L4:Understanding] learn about types of market in developing economy and society.
203	Principles of Finance	1	Identify[L2:Apply] Ability to understand implication of finance on business
		2	Identify[L2:Understanding] learn about imp features and their applications considering their requirements in business
		3	Identify[L2:Understanding] To know what are the constituents a financially sound business units



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

		4	Classify[L2:Understanding] Ability to understand about current issues related with new trends in business finance
204	Basic of Cost Accounting	1	Recall[L1:Remembering] Ability to understand importance of costing and role of costing
		2	Classify[L2:Understanding] Ability to prepare comprehensive cost sheet.
		3	Recall[L3:Remembering] To understand concept of overhead as it contributes to total cost of a product or service
		4	Identify[L3:Applying] Develop ability to ascertain cost of a particular contract under different circumstances.
205	Business Statistics	1	Recall[L1:Remembering] Frequency Distribution- Discrete and Continuous frequency distribution, Cumulative frequency and Cumulative frequency distribution.
		2	Identifyfy[L2:Understanding] Concept and meaning of Measure of Central Tendency
		3	Identify[L3:Applying] Concept and meaning of Measure of dispersion
		4	Identify[L4:Understanding] Numerical Problems on Correlation



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

206	Fundamental of Computer	1	[L2:Understanding] Regarding role of computers in business operations.
		2	Identify[L2:Understanding] Regarding need, structure and working of computer networking in business operations
		3	Identify[L2:Understanding] learn the process for usage of different computer application in business processes
		4	Classify[L2:Understanding] Ability to handle various software and programmes with due cautions and care.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

Department of BBA 2022-23

Sr. No.	Program		Program Outcomes
1	B.B.A.	1	To develop precise understanding about business environment and organizations
		2	To develop leadership aptitude among the students in order to work independently and in organized groups.
		3	To inculcate among the students the qualities of a dynamic manager, capable of taking various decisions and communicating effectively to different groups of people
		4	To understand different approaches to management thoughts and philosophy
		5	Ability to organize various programmes and events
		6	To understand and gain knowledge of various financial institutions and agencies
		7	To learn about new systems and trends in modern management
		8	Ability to understand and comprehend the meaning of different forms of communication
		9	Ability to write meaningful and concise and effective messages
		10	Ability to write precise business letters and understanding about business correspondence
		11	To use different formats of social communication and technology based communication effectively

Sr. No.	Program		Program Specific Outcomes
1	B.B.A.	1	Determine conceptual and analytical abilities required for effective decision making.
		2	Analyse the theoretical knowledge with the practical aspects of Organizational setting and techniques or management.
		3	Understand the dynamic and complex working environment of Business.
		4	Understand the problems faced by the business sector in the Current scenario.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

	5	Understand the rapid changes of financial services include banking and insurance sectors.
	6	Understand the methods of collecting primary and secondary data.
	7	Understand the Forms of business organization.
	8	Understand the methods of collecting primary and secondary data.
	9	Determine the steps involved in design of questionnaire
	10	Analyse and preparation of project report for the Functional areas of research.
	11	Understand the factors influence the consumer buying behavior.
	12	Understand the methods of collecting primary and secondary data.
	13	Understand the types of business communication and business letters.

	First Year B. B. A. [COS}	Semester I	
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
101	Principles of Management	1	Recall[L1:Remembering] Importance, Functions, Role of Managers
		2	Classify[L2:Understanding] Concept of Management, Administration, Organization &Universality of Management
		3	Identify[L4:Applying] Decision Making Types, Process, and Techniques Directions nature and principles
		4	Identify[L2:Understanding] Management of change and crises
102	Business communication Skill	1	Recall[L1:Remembering] Principles of effective communication, Barriers to communication and over comings
		2	Classify[L2:Understanding] VariousMethods of Communications,
		3	Recall[L3:Remembering] Concept ,need and functions of Business .Correspondence



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		4	Identify[L3:Applying]Fax communication ,voice mail ,emails ,tele conferencing , communication through social media
103	Business Accounting	1	Recall[L1:Remembering] Computation ability in business ability to distinguished between various accounting concepts and practices
		2	Identifyfy[L4:Understanding] write different accounting tractions and prepare basic financial tractions
		3	Identify[L3:Applying] preparation of Bank Reconciliation Statement
		4	Identify[L4:Understanding] use software like tally for writing of accounts
104	Business Economics -Micro	1	[L2:Understanding] Role and purpose of economics in society and economic
		2	Identify[L2:Understanding] Implications of different aspects of demand and supply
		3	Identify[L2:Understanding] Role and function of revenue in different economic decision
		4	Classify[L2:Understanding] Market forces governing economic situations
105	Business Mathematics	1	Identify[L1: Applying] Banking and taxation and Calendar
		2	Identify[L2:Understanding] Ability to examine concept of discount in different business situations
		3	Identify[L3:Understanding] apply the various concepts in business situations
		4	Classify[L4:Understanding] Develop the skills for data interpretation and inferences.
106	Business Demography	1	Recall[L1:Remembering] Rational understanding of demography, analysis and effects on society
		2	Classify[L2:Understanding] Method of assessment of population growth
		3	Recall[L3:Remembering] Concept of literacy and its importance in modern society
		4	Identify[L3:Applying] understand the various determinants of urbanization and migration



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Semester -II			
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
201	Business Organisation & System	1	Recall[L1:Remembering] learn how a business unit works and serves the society,
		2	Classify[L2:Understanding] The significance of different forms of business organizations their types, function, merits and limitations.
		3	Recall[L3:Remembering] Identification of ideas and opportunities
		4	Identify[L3:Applying] To give a brief introduction to stages of internationalization
202	Principal of Marketing	1	Recall[L1:Remembering] Ability to learn how marketing functions in a given environment
		2	Identify[L2:Understanding] Internal and external factors influencing marketing environment
		3	Identify[L3:Applying] Develop understanding regarding various aspects of Price Marketing.
		4	Identify[L4:Understanding] learn about types of market in developing economy and society.
203	Principles of Finance	1	Identify[L2:Apply] Ability to understand implication of finance on business
		2	Identify[L2:Understanding] learn about imp features and their applications considering their requirements in business
		3	Identify[L2:Understanding] To know what are the constituents a financially sound business units
		4	Classify[L2:Understanding] Ability to understand about current issues related with new trends in business finance
204	Basic of Cost Accounting	1	Recall[L1:Remembering] Ability to understand importance of costing and role of costing
		2	Classify[L2:Understanding] Ability to prepare comprehensive cost sheet.



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		3	Recall[L3:Remembering] To understand concept of overhead as it contributes to total cost of a product or service
		4	Identify[L3:Applying] Develop ability to ascertain cost of a particular contract under different circumstances.
205	Business Statistics	1	Recall[L1:Remembering] Frequency Distribution- Discrete and Continuous frequency distribution, Cumulative frequency and Cumulative frequency distribution.
		2	Identify[L2:Understanding] Concept and meaning of Measure of Central Tendency
		3	Identify[L3:Applying] Concept and meaning of Measure of dispersion
		4	Identify[L4:Understanding] Numerical Problems on Correlation
206	Fundamental of Computer	1	[L2:Understanding] Regarding role of computers in business operations.
		2	Identify[L2:Understanding] Regarding need, structure and working of computer networking in business operations
		3	Identify[L2:Understanding] learn the process for usage of different computer application in business processes
		4	Classify[L2:Understanding] Ability to handle various software and programmes with due cautions and care.

	Second Year B. B. A. [COs]	Semester III	
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

301	Principles of Human Resource Management	1	To understand the different roles the HR performs in an organisation
		2	To understand how Job Analysis & Human Resource Planning play an important role in the Organisation.
		3	To cultivate the knowledge about Career Planning, Employee Morale & Job Satisfaction among students.
		4	To understand the different HRM trends.
302	Supply Chain Management	1	· To understand the functions of Supply Chain Management.
		2	To acquaint the students with different Strategies of Warehousing.
		3	To understand the role of Information Technology in SCM.
		4	To understand Relationship Management with Customers and Employees
303	Global Competencies & Personlity Development	1	To understand various factors affecting personality development of an individual.
		2	To understand the concept of Global Competence.
		3	To understand the structure of team and to develop ability to work under pressure and flexibility at workplace.
		4	To train the students for writing e-mails and explain various telephone etiquettes.
304	Fundamentals of Rural Development	1	To provide sound knowledge about rural development.
		2	The unit will help to gain knowledge regarding working in various Government and NGO's transformation.
		3	To develop problem solving skills and the ability of working with clients with diverse interests.
		4	To develop awareness regarding the challenges of Rural Development.
A305	Consumer	1	To understand the overall effect of concepts upon the consumer behaviour



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	Behaviour & Sales Management		
		2	To develop the habit of taking calculated risks towards decision making process.
		3	To understand the importance of sales organizations & its impact upon the performance of the organizations.
		4	To understand the importance of target based marketing to achieve desired results for sales organization.
A306	Retail Management + Business Exposure	1	To understanding of retail strategy, innovation in retail, and the key issues impacting growth in retail firms
		2	To analysis the factors impacting store design and location selection.
		3	To study store operations, merchandising and customer management.
		4	To understand the innovative channels to reacout the target customers to sustain in new markets.
		Semester -IV	
Course Code	Course Name	Course Outcomes	After successful completion of course student will able to
401	Entrepreneurship and Small Business Management	1	To Understanding importance of Entrepreneurial as career
		2	To Learning various tools and techniques of opportunity search and its appropriate selection.
		3	To understand the concept of MSME and its challenges.
		4	To Understanding key factors for success & failure
402	Production and Operations Management	1	To understand the different layout and safetyconsiderations used for productionmanagement.
		2	To understand how product developed, planned and controlled in manufacturing.



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		3	To understand the concept of productivity and quality management.
		4	To understand about Changing Environment, Production and operation maintenance methods.
403	Decision Making and Risk Management	1	To understand the role and scope of Decision making and Risk management in organisations.
		2	To understand the importance of Decision making tools and models in business.
		3	To understand the role of leadership and its allied aspects while making decisions.
		4	To understand the role and importance of organizational values in Decision making and Risk Management
404	International Business Management	1	To Understand the concepts and role of International trade theories.
		2	To Understand Role of International Business and its importance at National and International Level.
		3	To Understanding various Finance and Trade techniques at International level.
		4	To Understand the opportunities and risks for India with respect to financial globalization.
A405	Advertising & Promotion Management	1	To understand the basic concept of advertising and social issues, ethics.
		2	To provide the knowledge regarding copy creations and media selection.
		3	To make the student aware about promotion techniques.
		4	To Understand cultivate the knowledge regarding online advertising and various types.
A406	Digital Marketing	1	To understand the overall effect of Digital Marketing upon the sales of an Organization.
		2	To understanding of the situations as they are influenced under Digital Marketing.
		3	To understand the role of Facebook, Google Ad words, YouTube and Email in digital marketing.
		4	To know the optimum use of various social media platforms.



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Programme Outcomes, Programme Specific Outcomes and Course Outcomes

Department of Computer Science

CBCS Pattern (Year- 2023-24)

POs, PSOs & Cos

Program Outcomes	B.SC. Computer Science
PO1:	Use creativity, critical thinking, and analysis and research skills to solve theoretical and real-world problems in computer science.
PO2:	To work effectively both individually and as member of team.
PO3:	Discuss software development fundamentals, including programming, data structures, algorithms and complexity.
PO4:	Illustrate the concepts of systems fundamentals, including architectures and organization, operating systems, networking and communication.
PO5:	Gain the knowledge about software engineering fundamentals, including software analysis and design, evaluation and testing, and software engineering processes.
PO6:	Make use of fundamentals of Application, including information management and intelligent applications.

PSO 2023-24	F.Y.B.Sc. Computer Science
Programme Specific Outcomes	Computer Science
PSO1:	Apply knowledge of computing and mathematics appropriate to the discipline.
PSO2:	Develop problem-solving abilities using computer.



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PSO3:	Design the application using programming languages.
PSO4:	Ability to understand the principles and development methodologies of computer systems.

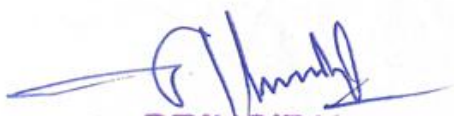
CO 2023-24	
Course Outcome	Semester I
Course Code: CS101	Course Title: Problem Solving Using Computer and 'C' Programming – I
CO1:	Explore algorithmic approaches to problem solving.
CO2:	Develop modular programs using control structures and arrays in 'C'.
Course Code: CS102	Course Title: Database Management Systems
CO1:	Solve real world problems using appropriate set, function, and relational models.
CO2:	Design E-R Model for given requirements and convert the same into database tables.
CO3:	Use SQL
Course Code: CS103	Course Title: Practical course on Problem Solving using Computer and 'C' programming and Database Management Systems.
CO1:	Devise pseudocodes and flowchart for computational problems.
CO2:	Write, debug and execute simple programs in 'C'.
CO3:	Create database tables in postgresSQL
CO4:	Write and execute simple, nested queries.



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CO 2023-24	
Course Outcome	Semester II
Course Code: CS201	Course Title: Advanced 'C' Programming
CO1:	Develop modular programs using control structures, pointers, arrays, strings and structures.
CO2:	Design and develop solutions to real world problems using C.
Course Code: CS202	Course Title: Relational Database Management Systems
CO1:	Design E-R Model for given requirements and convert the same into database tables.
CO2:	Use database techniques such as SQL & PL/SQL.
CO3:	Explain transaction Management in relational database System.
CO4:	Use advanced database Programming concepts
Course Code: CS203	Title: Practical Course on Advanced 'C' Programming and Relational Database Management Systems
CO1:	Write, debug and execute programs using advanced features in 'C'.
CO2:	To use SQL & PL/SQL.
CO3:	To perform advanced database operations.




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