Atal Bihari Vajpayee govt. College Pandatarai,
Dist.-Kabirdham (C.G.)

Department of Hindi
Atal Bihari Vajpayee Govt. College Pandatarai

PROGRAM SPECIFIC OUTCOME

हमारे महाविद्यालय के अस्तित्व में आने के सत्र से ही महाविद्यालय में हिन्दी का अध्ययन–अध्यापन प्रारंभ हो गया है। पहले सत्र में तीनों सकायों में सिर्फ भाषा का ही अध्ययन–अध्यापन होता था। सत्र 2013–14 से यहां भाषा के साथ साहित्य का भी अध्यापन किया जा रहा है।

हमारे प्राध्यापकगण भाषा अध्ययन में पाठ्यक्रम के अतिरिक्त भाषा के विविध पहलुओं के शिक्षण पर विशेष जोर देते हैं, जिससे उनमें भाषाई कौशल का विकास हो। ग्रामीण पृष्ठभूमि के संबंधित होने के कारण छात्र–छात्राओं में भाषा ज्ञान संबंधी बहुत भी त्रुटियाँ पाई जाती हैं। इन त्रुटियों को दूर कर उनमें भाषा का ज्ञान वर्धन हमारा लक्ष्य रहा है। इसमें हमें सफलता भी मिली है। कहते हैं भाषा में ही व्यक्ति का व्यक्तित्व झलकता है। इसलिए विद्यार्थियों में भाषा ज्ञान एवं भाषाई कौशल का विकास ही हमारा मुख्य ध्येय रहा है।

सत्र 2013–14 से साहित्य का अध्ययन–अध्यापन कराया जा रहा का रहा है, जिसमें माध्यम से छात्र–छात्राओं को अपनी वृहत सांस्कृतिक एवं साहित्यिक वांग्मय से परिचित कराकर ज्ञान वर्धन करना हमारा लक्ष्य रहा। साहित्य को समाज का दर्पण कहा जाता है। इसके माध्यम से समाज का सजीव चित्रण किया जाता है। साहित्य हमें संस्कार प्रदान करता है। जीयों और जीने दो का संदेश देता है। अनेक लेखकों एवं कवियों की रचनाएँ हमें जीवन की अनेक सीख देती है। हमारे व्यक्तित्व में निखार लाती है। हमें जीवन में एक आदर्श प्रदान करती हैं। हमें नैतिक ज्ञान प्रदान करती हैं एवं हमें हमारी परंपरा से परिचित कराने के साथ हमें राष्ट्र प्रेम की सीख भी देती है तथा जीवन की कला सिखाती है।

Programme Outcome B. A. Hindi

PO1- छात्रों को हिन्दी भाषा की उत्पत्ति, विकास एवं उपभाषाओं एवं बोलियों का ज्ञान प्राप्त कराना।

PO2- छात्रों में हिन्दी के कवियों एवं लेखको की सृजनात्मक लेखन का ज्ञान कराना।

PO3- छात्रों को हिन्दी व्याकरण एवं भाषा शुद्धियों का ज्ञान कराना।

PO4- छात्रों में हिन्दी साहित्य के इतिहास के विकास क्रम एवं लेखन परंपरा के संबंध में ज्ञान विकसित कराना।

PO5- छात्रों में साहित्य के प्रति भावात्मक अभिरूचि विकसित कराना।

PO6- छात्रों में छत्तीसगढ़ी साहित्य के प्रति अभिरूचि विकसित कराना।

Programme Specific Outcome

PSO1- हिन्दी भाषा का बोध कराना।

PSO2- हिन्दी साहित्य का ज्ञान कराना।

PSO3- हिन्दी भाषा और साहित्य की अभिवृद्धि करना।

PSO4- राष्ट्रभाषा एवं राज्यभाषा के रूप में हिन्दी का विकास करना।

PSO5- भाषा के माध्यम से सांस्कृतिक एकता के सूत्र विकसित करना।

Course Outcome B. A. I (प्राचीन हिन्दी काव्य)

CO1- छात्रों को हिन्दी के गद्य और पद्य के कवियों एवं लेखकों से परिचित कराना।

CO2- साहित्य के विभिन्न विद्याओं के माध्यम से छात्रों का भावात्मक एवं सृजनात्मक ज्ञान विकसित कराना।

CO3- छात्रों में साहित्य एवं साहित्यकारों के सृजनात्मक लेखन के प्रति अभिरूचि विकसित कराना।

Course Outcome B. A. I (हिन्दी कथा साहित्य)

CO1- छात्रों में कथा साहित्य के प्रति अभिरूचि विकसित करना।

CO2- छात्रों में भाषा के रचनात्क पहलूओं की समझ विकसित कराना।

CO3- छात्रों मे राष्ट्रभाषा हिन्दी तथा मानक लिपियों का समझ विकसित कराना।

CO4- छात्रों में कहानियों एवं उपन्यासों के माध्यम से लेखकों की सृजनात्मक लेखन शैली की समझ विकसित करना।

Course Outcome B. A. II (अर्वाचीन हिन्दी काव्य)

CO1- छात्रों को हिन्दी के कवियों एवं उनकी रचनाओं से अवगत कराना।

CO2- छात्रों को हिन्दी के कार्यालयीन एवं व्यावहारिक पत्रों के स्वरूप से अवगत कराना।

CO3- छात्रों को हिन्दी व्याकरण का ज्ञान कराना।

CO4- छात्रों में देवनागरी लिपि के अंतर्गत उसके उत्पत्ति, वैज्ञानिकता तथा विषेषता से अवगत कराना।

Course Outcome B. A. II (हिन्दी निबंध तथा अन्य विधाएं)

CO1- छात्रों को नाटककार, एकांकीकार एवं निबंधकारों तथा उनकी रचनाओं से परिचित कराना।

CO2- छात्रों में नाटक एवं एकांकियों के माध्यम से सामाजिक समस्याओं से परिचित कराना।

CO3- छात्रों में लेखकों के लेखन शैली के प्रति आलोचनात्मक दृष्टि विकसित करना।

Course Outcome B. A. III (छत्तीसगढ़ी भाषा एवं साहित्य)

CO1- छात्रों को काव्यांग–काव्य का स्वरूप एवं प्रयोजन का ज्ञान कराना।

CO2- छात्रों में कम्प्यूटर में हिन्दी का अनुप्रयोग, हिन्दी में पदनाम की समझ विकसित करना।

CO3- छात्रों में छत्तीसगढ़ी भाषा के प्रति अभिरूचि विकसित करना।

CO4- छात्रों में छत्तीसगढ़ी साहित्य की समझ विकसित करना।

Course Outcome B. A. III (हिन्दी भाषा एवं साहित्य का इतिहास तथा काव्यांग विवेचन)

CO1- छात्रों में हिन्दी भाषा के विभिन्न रूपों का ज्ञान कराना।

CO2- छात्रों में हिन्दी साहित्य के इतिहास, आदिकाल, पूर्व माध्यकाल, उत्तर मध्यकाल और आधूनिक काल की सामाजिक सांस्कृति पृष्ठभूमि प्रमुख युग प्रवृत्तियां विषिष्ट रचनाकार और उनकी प्रतिनिधि कृतियां, साहित्यिक विषेषताओं से अवगत कराना।

CO3- छात्रों में हिन्दी साहित्य के इतिहास लेखन परंपरा का ज्ञान विकसित करना।

Programme Outcome M. A. Hindi

PO1- छात्रों में युगीन परिस्थितियों और साहित्यिक प्रवृत्तियों के आधार पर हिन्दी साहित्य के इतिहास के काल विभाजन तथा नामकरण का परिचय देना।

PO2- छात्रों में पाठ्यकृतियों के संदर्भ में समीक्षा की क्षमता बढ़ाना।

PO3- छात्रों को हिन्दी के विविध रूपों से परिचित कराना।

PO4- छात्रों को भाषा विज्ञान के सैद्धांतिक पक्ष से अवगत कराना।

PO5- छात्रों को कबीर, जायसी, सुरदास एवं विद्यापति के व्यक्तित्व एवं कृतित्व से परिचित कराना।

PO6- छात्रों को तात्कालीन प्रमुख कवि तथा उनकी कृतियों से परिचित कराना।

PO7- छात्रों को आधुनिक हिन्दी काव्य की प्रवृत्तियों से परिचित कराना।

PO8- छात्रों को गद्य की प्रमुख विधाओं के तात्विक स्वरूप का परिचय देना।

PO9- छात्रों को भारतीय एवं पाष्चात्य साहित्यषास्त्र से परिचित कराना।

Programme Specific Outcomes

PSO1- छात्रों में हिन्दी भाषा और साहित्य के प्रति रचनात्मक दृष्टि का विकास करना।

PSO2- छात्रों में हिन्दी में रोजगार परक आयामों का विकास करना।

PSO3- छात्रों में पत्रकारिता और विज्ञापनों के क्षेत्र में समन्वयक दृष्टिकोण विकसित करना।

PSO4- छात्रों में लोकसाहित्य के विकास की अभिव्यक्ति विकसित करना।

PSO5- छात्रों में शोधपरक दृष्टि विकसित करना।

PSO6- छात्रों को आधुनिक नाटक, एंकाकी, कहानी, निबंध एवं आत्मकथा आदि विधाओं से परिचित कराना।

M. A. I Semeter

Course Outcome (हिन्दी साहित्य का इतिहास : परम्परा और पद्धति)

CO1- छात्रों को हिन्दी रचना के आदिकाल से आधुनिक काल तक के समपूर्ण रचनाकारों की रचनाएं तथा उनके विषय का ज्ञान कराना।

CO2- छात्रों को हिन्दी गद्य के आविर्भाव के प्रधान कारणों, परिस्थितियों का परिचय कराना।

CO3- छात्रों को आधुनिक हिन्दी कविता के विकास के प्रमुख चरणों की प्रवृत्तियों, प्रभावों, उपलब्धियों तथा सिमाओं से अवगत कराना।

Course Outcome (प्राचीन और मध्य कालीन काव्य)

CO1- छात्रों को चंदवर दाई के पृथ्वीराज रासो का अध्यापन कराना।

CO2- छात्रों को विद्यापति पद्यावली के दस पदों का अध्यापन कराना।

CO3- छात्रों को कबीरग्रन्थावली एवं मलिक मोहम्मद जायसी के पद्यामावत के संकलित पदों का अध्यापन कराना।

Course Outcome (आधुनिक काव्य)

CO1- छात्रों को मैथिलीशरण गुप्त के साकेत, नवम सर्ग का अध्यापन कराना।

CO2- छात्रों को जयशंकर प्रसाद के कामायनी के चिंता तथा श्रद्धा सर्ग का अध्यापन कराना।

CO3- छात्रों को सूर्यकांत त्रिपाठी निराला तथा महादेवी वर्मा के संकलित पदों का अध्यापन कराना।

CO4- छात्रों को आधुनिक कवियों एवं उनकी रचनाओं से परिचित कराना।

Course Outcome (आधुनिक काव्य गद्य साहित्य)

CO1- छात्रों को चन्द्र गुप्त, हानुश, अंधा युग नाटकों का अध्यापन कराना।

CO2- छात्रों को रीढ़ की हड्डी, एक दिन, तांबे के कीड़े, तौलिये एकांकी का अध्ययन कराना।

CO3- छात्रों को पथ के साथी, आवारा मसीहा– चरितात्मक कृति का अध्यापन कराना।

CO4- छात्रों को ओमप्रकाश वालमिकी के आत्म कथा 'जूठन' का अध्यापन कराना।

M. A. II Semeter

Course Outcome (उत्तर मध्य से आधुनिक काल तक)

CO1- छात्रों को रीतिकाल के नामकरण एवं प्रवृत्तियों से परिचित कराना।

CO2- छात्रों का आधुनिक हिन्दी काव्य की प्रवृत्तियों से परिचित कराना।

CO3- छात्रों को आधुनिक काल के प्रबंध और मुक्तक काव्य के तात्विक स्वरूप की जानकारी देना।

CO4- छात्रों को आधुनिक युग के काव्य प्रकारों के विकासक्रम से परिचित कराना।

CO5- छात्रों को द्विवेदी युग/छायावाद/प्रगतिवाद/प्रयोगवाद/नई कविता के प्रवृत्तियों से परिचित कराना।

CO6- छात्रों को हिन्दी गद्य की विविध विधाओं के उद्‌भव विकास से परिचित कराना।

Course Outcome (मध्यकालीन काव्य)

CO1- छात्रों को सूरदास के भ्रमण गीत सार के संकलित पदों की व्याख्या बताना।

CO2- छात्रों में रामचरित मानस के सुन्दर कांड का अध्यापन कराना।

CO3- छात्रों में बिहारी सतसई के प्रथम 100 दोहों का अध्यापन कराना।

Course Outcome (आधुनिक काव्य–2: प्रगतिवाद/प्रयोगवाद/नई कविता एवं समकालीन कविता)

CO1- छात्रों को अज्ञेय की संकलित रचनाओं की व्याख्या बताना।

CO2- छात्रों को मुक्तिबोध के अंधेरे में कविता की व्याख्या बताना।

CO3- छात्रों को नार्गार्जुन एवं रघुवीर सहाय के संकलित रचनाओं का अध्यापन कराना।

Course Outcome (आधुनिक गद्य साहित्यः उपन्यास/निबंध/कहानी)

CO1- छात्रों को गोदान एवं बाणभट्‌ठ की आत्मकथा उपन्यास का अध्यापन कराना।

CO2- छात्रों में चढ़ती उमर, कविता क्या है, माटी की मुर्ते, वैषण्व की फिसलन निबंधों का अध्यापन कराना।

CO3- छात्रों को उसने कहा था, पुरस्कार, वापसी, शतरंज के खिलाड़ी, कहानियों का अध्यापन कराना।

M. A. III Semeter

Course Outcome (साहित्य के सिंद्धात तथा आलोचना शास्त्र)

CO1- छात्रों को भारती काव्य शास्त्र के ज्ञान से परिचित कराना।

CO2- छात्रों काव्य लक्षण, काव्य हेतु, काव्य प्रायोजन और रस सिंद्धात से परिचित कराना।

CO3- छात्रों को अंलकार, रीति, वक्रोक्ति, ध्वनि और औचित्य सिंद्धात का अध्यापन कराना।

CO4- छात्रों को प्लेटो, अरस्तु, लोंजाइनस के काव्य सिंद्धातों से परिचित कराना।

CO5- छात्रों को मैथ्यू आर्नल्ड, टी.एस. इलियट तथा कॉलरिज के सिंद्धात से परिचित कराना।

Course Outcome (भाषा विज्ञान)

CO1- छात्रों को भाषा विज्ञान के स्वरूप, लक्षण एवं दिशाओं से परिचित कराना।

CO2- छात्रों को स्वन विज्ञान, वर्गीकरण, रूप विज्ञान उनके भेद अर्थ विज्ञान एवं उनके भेदो का अध्यापन कराना।

Course Outcome (कामकाजी हिन्दी एवं पत्रकारिता)

CO1- छात्रों को हिन्दी के विविध रूपों से परिचित कराना।

CO2- छात्रों को पारिभाषिक शब्दावली से परिचित कराना।

CO3- छात्रों को हिन्दी में कम्पयूटर के प्रयोग की विधि से अवगत कराना।

CO4- छात्रों को हिन्दी पत्रकारिता के विषय से परिचित कराना।

Course Outcome (भारतीय साहित्य)

CO1- छात्रों को लोक साहित्य के स्वरूप तथा उसके अध्ययन के महत्व से परिचित कराना।

CO2- छात्रों को लोक साहित्य के विभिन्न विधाओं की जानकारी देना।

CO3- छात्रों को लोक साहित्य का महत्व समझाकर उसके विषेष अध्ययन के लिए प्रेरित करना।

CO4- छात्रों को अग्नि गर्भ उपन्यास, है वदन नाटक, कोच्चि के दरख्त नामक कविता का अध्यापन कराना।

M. A. IV Semeter

Course Outcome (हिन्दी आलोचना तथा समीक्षा शास्त्र)

CO1- छात्रों को मनुविश्लेषण वाद, अस्तित्ववाद, स्वच्छनतावाद, माक्सवाद एवं आधुनिक समीक्षा की प्रवृत्तियों से परिचित कराना।

CO2- छात्रों को आधुनिक हिन्दी समीक्षों के समीक्षा सिंद्धात से परिचित कराना।

CO3- छात्रों को आधुनिक हिन्दी आलोचना के विकास परिचित कराना।

Course Outcome (हिन्दी भाषा)

CO1- छात्रों को हिन्दी भाषा के अंगो एवं विभिन्न शाखाओं का ज्ञान कराना।

CO2- छात्रों को विकास के संबंध में देवनागरी लिपि की विशेष जानकारी देना।

CO3- छात्रों को हिन्दी के शब्द भेदो के विकासक्रम का विवरण देना।

CO4- छात्रों को हिन्दी के शब्द भण्डार एवं व्याकरणीक स्वरूप से परिचित कराना।

Course Outcome (मीडिया लेखन एवं अनुवाद)

CO1- छात्रों को मीडिया लेखन, समाचार लेखन, वाचन, विज्ञापन लेखन आदि कलाओं से परिचित कराना।

CO2- छात्रों को दृश्य, श्रव्य माध्यम एवं इनकी विशेषताओं से परिचित कराना।

CO3- छात्रों को सिंद्धात एवं व्यवहार अनुवाद के स्वरूप से परिचित कराना।

Course Outcome (जनपदीय भाषा और साहित्यःछत्तीसगढ़ी)

CO1- छात्रों को लोक साहित्य के स्वरूप तथा उसके अध्ययन के महत्व से परिचित कराना।

CO2- छात्रों को छत्तीसगढ़ी कविता एवं कवियों से परिचित कराना।

CO3- छात्रों को नाटक एवं उपन्यास से परिचित कराना।

CO4- छात्रों को लोक साहित्य के विविध विधाओं की जानकारी देना।

➢ COMPULSORY ENGLISH (B.A., B.Sc., B.Com. I, II, III)

The main purpose of this course is to equip the students with the nuances of the English language which includes proficiency in grammar and its effective usage in speaking and writing. It further helps them to prepare for various competitive exams and to keep up with the increasing demand for English in Indian society and at the global level. It also develops their overall confidence and personality.

- ❖ Enhance language through a task-based & learner – centric syllabus
- ❖ Familiarize with various aspects of our new state of Chhattisgarh.
- ❖ Carry out all the LSRW skills
- ❖ Channelize energy through soft skills and Value orientation
- ❖ Learn good English to prosper in professional and personal lives
- ❖ Become proficient in English for global competency
- ❖ The students of General English Three years Course learn the use rather than usage of English.
- ❖ They develop their critical thinking capabilities focused through the course as an important need.
- ❖ Through the selected text, the students are exposed to a range of contexts where the language is used to meet a variety of real life communication needs.
- ❖ The students learn/are equipped with the practical, emotional, intellectual and creative aspects of language by integrating knowledge and skills.
- ❖ The text focuses on readability, reachability and testability. The students can successfully pass the three years exam at the undergraduate level by the Hemchand Yadav University Durg.
- ❖ The exercises and the pre & post reading activities in the text draw the student into the book and make them to read it with understanding and insight and also encourage them to think beyond the text.
- ❖ The students gain ample practice in writing skills. They can write essays and reports and differentiate between objective and subjective writing.
- ❖ They become aware of the varieties of English through inputs in British and American Vocabulary. They are also exposed to different literary genres of prose and poetry.

B. A. I
Sociology

Department of Sociology – After successful completion of there year degree Sociology a Student should be able to.

Program Outcome of Bachelor of Arts (B.A.)

Student seeking admission for B. A. Programme are expected to imbue with following quality which help theme in their future life to achieve the expected goals.

PO1- Realization of human values.
PO2- Sense of social service.
PO3- Responsible and dutiful citizen.
PO4- Critical temper.
PO5- Creative ability.

Programme Specific Outcomes

PSO1- to Introduce with Social transaction, Social relations. Social formations, social control, social value And culture.
PSO2- Knowing the significance of social institution caste system religion nationalism integrity equality And justice.
PSO3- Learn/Getting the knowledge of the works of social reformers all over the nation.
PSO4- Ability to follow new stream of thoughts and theories of social thinkers.
PSO5- Getting the deep knowledge about various social groups like tribal community, woman bulk etc.
PSO6- Ability to deal with research in sociology.

Course outcome

B. A. Part – I

Paper no-I, Introduction to sociology
Paper no-II, Contemporary Indian society
CO1- Introduction to the basic concept of sociology, subject matter & importance of sociology and origin and development of sociology.
CO2- Understanding in brief the knowledge of human society and sociology.

Scientific method

CO1- Implementing the Scientific approach in the student.
CO2- Introduction to the various scientific methods in the Students.
CO3- Developing the research attitude among student.

B. A. Part-II

Paper no-I, Society of India
Paper no-II, Crime and Society
CO1- Getting acquainted with structure and composition of India society.
CO2- Discussing a brief outline of the making of the India society.
CO3- Awareness of contemporary social problems in India.
CO4- Introduction to major theories of Punishment and social structure and anomie.

B. A. Part-III

Paper-I, Sociology of Tribal Society
Paper-II, Social Research Methods
CO1- Acquaintance with different types of research and issues in research.
CO2- Importing basic Research Skills.
CO3- Analysing the concept of Tribe.
CO4- Understanding sociocultural profile.
CO5- Introduction to various Steps in conducting Research.
CO6- Understanding problems of Tribal people.

M.A SOCIOLOGY

PROGRAMME OUTCOMES(PO)

PO1: To promote a commitment to the imporovement about thesocietal understanding and social institutions.
PO2: To educate the students about various sociologicaltheories
PO3: To prepare students to initiate and facilitateinteractions between government and non governmental sectors to provide ethicaland workable solutions to societal needs.
PO4: To educate students to be compassionate and effectiveleaders who humanely manage public welfare programmes
PO5: To translate research into effective practices andachievable, human policies.
PO6: To encourage students to acquire knowledge, skills andcapabilities arising from the need for a more efficient and effective publicadministration.
PO7: To motivate students to utilize the job opportunities.

PROGRAMME SPECIFICOUTCOMES

PSO1: To provide the students a deeper and broaderunderstanding of the subject.
PSO2: To enhance their research ability to add new thinkingand concept into its body of knowledge
PSO3: To equip the students for seekingsuitable employment ability.
PSO4: To impart knowledge and develop understanding ofresearch methodology and its application for research relevant to socialproblems
PSO5: To use ethical skills in transparent, accountabledecision making for the common good.

COURSEOUT COME (SOCIOLOGY)

Scc-1	CO-1 Concept about tradition feudal economy out social structure, and Benightment and well as impait ab thinking and reasoning
	CO-2 Concept about social static and dynamics, low about three stages, positivesm.
	CO-3 Concept about division about labour in society and theory about suicide.
	CO-4 about vilfredo parato and their concept as theory about social change etc.
	CO-5 Concept related to social organic, Evolutions
Scc-2 Philosophical and Conceptual foundation about research methodology.	CO-1: Methodological Perspectives in Sociology.
	CO-2: Learn Concept about social research and problem about social research.
	CO-3: Learn about research design.
	CO-4: Linder stand about qualitative research.
	CO-5: Find out inter disciplinary research.
Scc-3 Social Chang in India	CO-1: Learn about linear theory and cyclic theory.
	CO-2: discuss Cultural and religious Change and also tecnological
	CO-3: To understand Sanskritization secularization etc.
	CO-4: about changes in tribal and rural Economy.
	CO-5: Understand the regalia activities.
Scc-4 Rural Sociology	CO-1: To Understand Concept of Peasant and agrarian society.
	CO-2: Concept about agrarian and also social structure.
	CO-3: Discuss about rural leadership Panchayati raj as well as five year panis.
	CO-4: Concept at green revolution and land reform.
	CO-5: Understand about self help group ek.
SP-1	CO:1 Practical on field work and preparation about tools.
	CO-2: Learn about interview guide and case study.

SEMESTER – II	
SCC-5 Classical sociological thinkers.	CO:1 Under stand about concept of class and class struggle and alienation and also stylops value
	CO:2 Concept at leisure class and social change.
	CO:3 Understand about concept at status, class and power.
	CO:4 Understand about pattern variable, social system and also means at Social Control.
	CO:5 Concept about reference group, anomie and parading of furfural analysis.
SCC-6 quantitative research techniques in sociology	CO:1 Concept at sampling.
	CO:2 Techniques at survey research.
	CO:3 Understanding levels at measurement and sociometry
	CO:4 Importance and li levitation at statics.
	CO:5 Social research, act in research and participatory research.
Scc- 07 Sociology of development	CO:1 Concept about modernization morsist, dependency, alternative
	CO:2 Understand about human indicator indoor, unsustainable development etc.
	CO:3 Concept of five year plan, glaciation.
	CO:4 Concept at development and displacement.
	CO:5 Concept about gender disclination, sustainability
Scc- 08 Indian rural society	CO:1 Concept of tribal society and agrarian society
	CO:2 Concept of migration land alienation, poverty.
	CO:3 Concept of heath education changing status at rural woman and inequality.
	CO:4 Concept of tebhaga and Telangana movement.
	CO:5 Concept of halite movement.
S.P. 2	CO:1 Field work and preparation at tools.
	CO:2 Concept and field work at questionnaire interview, schedule, preparation and tabulation.

SEMESTER – III	
Scc – 9 Classical sociological Theories	CO:1 Contribution of comte and Durkheim.
	CO:2 Concept of Contribution of parsons and merton.
	CO:3 Concept of contribution at Coser, mary dahrondorf.
	CO:4 Contribution of red chlif brown and Levi-Strauss.
	CO:5 Contribution of peter blay and George homons.
Scc – 10 Social Movements in India	CO:1 Nature and types of social movement
	CO : 2 Class, caste ethnicity and gender, role at media in social movement
	CO : 3 Concept at Marxian, and past Marxian, past modernist etc.
	CO : 4 Concept at labour and trade union, tribal peasant, Nabilatuk
	Co: 5 delit , woman, and Environment
Scc – 11 Perspectives at study to Indian society	CO:1 Textual perspective just like G.S glurye louis demount.
	CO 2: Concept of structural factualism m.n shriniuas S.C dusey etc.
	CO:3 Approach of study D.P. Mutharjee and a.r. desai.
	Co:4 Approach of study aimsdear, and Hardiman.
	CO:5 Approach of study N.K. bose surject society.
Scc – 12 Industry and society	CO:1 Concept of classical scientific management .
	CO:2 Concept of line and staff organization, personal management.
	CO:3 After related faintly. Environment etc.

	CO:4 Work ethics, work value motivation to work.
	CO:5 Concept of tetrazepam and social structure in in dusty.
Scc – 13 Criminology	CO:1 Concept of crime legal and sociological.
	CO:2 Concept of juvenile delinquency. whit Colour crime
	CO 3: Concept of corruption Types, Causes and Consequences and Cyber Crime
	CO:4 Concept of punishment types at punishment.
	CO5. Concept of terrorism and its characteristic.

SEMESTER – IV	
Scc – 14 Modern Sociological theories	CO: 1 Contribution at G.H. mead and h. blumer.
	CO: 2 Control of pharmacal Contribution at Schutz and berger.
	CO: 3 Contrition at Garfinkel and Goffman.
	CO: 4 Concept of Critical them related to adorn and Habermas.
	CO: 5 Concept of post modernity and contribution at Foucault and deride.
Scc – 15 Comparative sociology	CO: 1 Concept of emergence at grouth at sociology in west and india.
	CO: 2 Concept of modernity and tradition, Environment glaciation.
	CO: 3 Problem of tearing in sociology.
	CO: 4 Current debates like Indianization.
	CO: 5 Concept of sociology in india sociology at india and for india.
Scc – 16 Contemporary issues in industry	CO: 1 Importance of hunar relationship at work.
	CO: 2 Concept of trade unimism in india.
	CO: 3 Study of impact at industry on faintly and stratification etc.
	CO: 4 Concept of FDI and third world foreign direct investment
	CO: 5 Contenpomy issue just like industrialization and woman labour and child labour.
Scc – 17 Criminology Correctional and admonition	CO: 1 Concept of Socialization family value role at education.
	CO: 2 Meanings and signification at correction. Prison based and community Basel.
	CO: 3 Concept of antiquated jail manual and prison act and prison offence.
	CO: 4 Concept of violence at prisoner's human right and problem at woman offenders.
	CO: 5 Concept and objectives at police types and role at police etc.
S-P3 On Rural and urban problem	CO: 1 Project work based on rural and urban problem.

Department of Political Science

Program Outcomes: B. A. Political Science

After completion of B. A. Programme students should be able to

Students enable to increase understanding of basic facts and concepts about the Indian Political system, including its history, Constitutional and legal foundations, leading Political Values and ideas, governing institutions and Policymaking processes.

Students enable to increase understanding of Political science research and analytical skills including the ability to think critically; to construct logical arguments; to collect analyze and interpret evidence anddata and to formulate reasoned conclusions.

Programme Specific Outcomes B. A.

(Political Science)

On completion of the B. A. (Political Science) Students are able to:

PSO1- Work as a teacher in college's schools and high schools.

PSO2- Work in elections and Political as well as administrative system.

PSO3- Creating appropriate and efficient political leaders.

PSO4- Getting knowledge of constitution of India.

PSO5- Study from competitive examination point of view.

Course Outcomes

Political Theory

Analysing what is Politics and explaining the approaches to the Study of Political Science Traditional Behavioural post Behavioural, Feminist, Nationalism.

CO1- Explaining the concept of state sovereignty: monistic and Pluralistic Theories.

CO2- Assessing the theories of state (Origin, Nature, Fuctions) Contract Idealist and Equality theories.

CO3- Explaining the kinds of Government: Unitary and Federal, Parliamentary and presidential.

CO4- Discussing the Organs of Government: Executive Legislature and Judiciary. Theory of separation of powers and checks and balances.

Indian Government and Politics

CO1-Introducing the Indian constitution with a focus on the role of the constituent Assembly and examining the essence of the Preamble.

CO2- Examining the Fundamental Rights and duties of Indian citizens with a study of the significance and status of directive principles.

CO3- Critically analysing the important institutions of the Indian Union: The union Executive president, vice president, council of ministers and prime minister. Union legislature: parliament Lok sabha and Rajya sabha. Parliament procedure.

CO4- Critically evaluating the Indian party system, Election commission and Election Reforms National and regional parties.

CO5- Evaluating the major issues of Indian politics Caste, Religion, Language and Region. Panchayati Raj System.

Political Thought

CO1- To understand the Plato: Ideal state Justice, Education, Communism, Philosopher king.

CO2- Providing an insight into the dominant features of western Political Thought: Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau and Marx.

CO3- Analysing Marx's concept of freedom and democracy: Nature, Features and critiques.

CO4- Analysing the nationalist thought of Ambedkar.

CO5- Discussing the nationalism of Gandhi: Truth, Nonviolence, satyagrah and Political Thoughts.

Comparative Government and Politics

CO1- Getting information about the system of the British Constitution: Evolution, Salient features, Executive and Legislature judiciary.

CO2- Knowing about the Constitution of USA: Salient Features, Executive, Legislature and judiciary.

CO3- Exploring the constitution of china: Salient Features, Executive, Legislature and judiciary, communist Party.

CO4- Making a comparative analysis of the institutions of UK, USA, China and Switzerland.

International Politics and Foreign Policy of India

CO1- Explaining scope and subject matter of International Relations as an autonomous academic discipline.

CO2- Study of the relations of India with neighbouring countries.

CO3- Student enable to analyse importance of International relation in process of nation progress.

CO4- Students enable to understand the foreign Policy of India: Determinating elements, characteristics Non-Alignment: meaning, features, relevance.

Public Administration

CO1- Explaining the nature, scope and evaluation of Public Administration: Private and public Administration.

CO2- Discussing making of public policy making and methods of Implementation.

CO3- Analysing the major concepts in Public administration.

CO4- Analysing the civil Service in India.

Department of History

History of India (From Beginning to 1206 A.D.)

CO1- Understand the salient features of Indus valley civilization.
CO2- Evaluate the features of Buddhism and Jainism.
CO3- Visualize the administration of mauryas and the art and architecture of mauryas.
CO4- Identify the administration of Guptas and their contribution of Nalanda University.
CO5- Examine the Arab conquest of sindu and the battle of Tarain.
CO6 Introduction of Chhattisgarh – geographical condition, nomenclature, Regional and prominent dynasties, kalchuri dynesty.

History of the World (1453 A.D. to 1890 A.D.)

CO1- Describe the Geographical discoveries and the Renaissance movement in Europe.
CO2- Assess the cause and effects of Reformation and Counter Reformation movements.
CO3- Describe – Mercantilism, Colonialism the Industrial Revolution.
CO4- The American war of Independence the French Revolution (1789 A.D.) causes and Impact the Napoleon era.
CO5- Conservatism: Vienna congress, Metternich; Internal and External policies.
CO6- The Eastern Question; Causes, Crimean war, Berlin congress Unification of Italy and Germany.

History II Year

History of India (from 120 A.D. to 1761 A.D.)

CO1- Understand the foundation of the Delhi sultante and the sultante administration.
CO2- Identify the condition of India under the Mughal Empire.
CO3- Explain the administration and art and architecture of sultante and Mughals.
CO4- Recognise the socio, economic and religions conditions under Vijayanagar Empire.
CO5- Analyse the rise of the Marathas and the contribution of Shivaji.

History of the World (1789 A.D. to 1871 A.D.)

CO1- The Revolution of France from 1789 to 1815 A.D. National convention, Administration of directory.
CO2- Rise Achievement and the downfall of Napoleon Bonapart.
CO3- Vienna congress and the concept of Europe Age of Metternich the Revolution of 1830 A.D. and 1848 A.D.
CO4- Liberalism in England Reforms of 1832 A.D. and 1867 A.D.
CO5- Nationalism in Europe; Unification of Italy and Germany.

History III Year

History of India from 1761 A.D. to 1950 A.D.

CO1- Extend of British Empire : Carnatic war, Baksar war, and Plasi war. Subsidiary alliance.
CO2- Commercialism: Industry and Business collapse permanent settlement: Ryatwari, Mahalwari.
CO3- Indian renaissance-Social and Religious reform.
CO4- The revolution of 1857 Gandhian movement.
CO5- Constitutional development of India-Diarchy of 1919 and specialty of constitutional of India.

World History from 1871 to 1945 A.D.

CO1- The third Republic of France foreign policy of William II.
CO2- Modernization of Japan, Russo-Japanese war 1905 A.D. Chinese Revolution 1911 A.D.
CO3- Eastern problem: Berlin congress, Young Turk Revolution and Balkan wars.
CO4- Warsai Treaty.
CO5- United Nations.

Program Specific Outcomes

PSO1- A History graduate can find employment with archaeological survey of India or with private firms related to archaeology.
PSO2- For History graduates the option of public service is always open.
PSO3- Work as a teacher in schools and High schools.
PSO4- Serve as conservator and tourist guide in historical movements.
PSO5- NGOs and social welfare organization also employ BA History graduates.

Program Outcome of B.A.

PO1- Students will increase their understanding of the culture and society in which they live.
PO2- Students will understand the historical and Organisational foundation of the American education system and be able to address contemporary issues in the teaching profession.

Department of Botany

Programme outcome B. Sc. Botany

After awarding degree of Bachelor- B. Sc. With Botany students will be able to –

PO1- They shall be full of Scientific temperament.

PO2- They shall be able to see the thing in a scientific way.

PO3- They shall be able to perform practical work.

PO4- Students shall be able to deal with the topics related to cell biology, genetics and Biochemistry.

PO5- They will be able to discuss on lower plants, Cryptogams and phanerogams.

PO6- They will be able to explain morphological characters, Anatomical character of a plant.

Programme Specific outcomes

PSO1- Students shall be able to explain the functioning, utilisation and important of a plant in their surrounding.

PSO2- They shall be able to clarify the systemic of plant according to morphological characteristics.

PSO3- They shall be able to explain the experimental demonstration of plants to the others.

PSO4- They shall be able to understand the developmental biology.

PSO5- They will be able to discuss on lower plants, Cryptogams and phanerogams.

PSO6- They will be able to explain morphological characters, Anatomical character of a plant.

PSO7- They shall be able to clarity difference between divisions of plant kingdom.

PSO8- Students shall be able to explain the concept of biotechnology, genetic, engineering, gene mapping and Tissue culture.

PSO9- They shall be able to understand concepts of Biomolecules, Biochemistry and physiology of plants.

Course outcome

B. Sc. I (A)

Bacteria, Viruses, Fungi, Lichens and Algal

CO1- They shall understand the general features, structures, reproduction and economic importance of microbes.

CO2- Students shall be able to understand habit, habitat, cellular composition, nutrition, reproduction of fungi and Algae and their association.

CO3- Students shall be able to identify the useful and harmful fungi and their use in life.

CO4- They shall be able to explain the value of lichens.

B. Sc. I (B)

Bryophytes, Pteridophytes, Gymnosperm and Palaeobotany

CO1- To identify the characteristics, affinities, range of thallus organisation, classification and ecological importance of Bryophytes, Pteidophytes and gymnosperm.

CO2- Students shall be able to explain the different type of gymnospermic plant with their morphological characteristics.

CO3- Students shall be able to understand the use of fossil to study the plant as well as importance of geological era.

B. Sc. II (A)

Diversity of Seed Plants and their Systematics

CO1- Students shall be able to understand the classification of different taxonomists.

CO2- They shall be able to understand the relation of taxonomy to cytology, phytochemistry and taxometrics.

CO3- Students shall be able to understand Principle and rules, taxonomic rank, Principles of priority of Botanical nomenclature.

B. Sc. II (B)

Structure, Development and reproduction in flowering plants

CO1- Students shall be able to understand the morphological, Anatomical and developmental structures of plants.

CO2- They Shall understand the histological organisation and vascularisation of plants.

CO3- Students shall be able to understand the horticultural concepts, vegetative propagation grafting and economic aspects.

B. Sc. III (A)

Plant Physiology, Biochemistry and Biotechnology

CO1- Students shall be able to understand physiological process of plants and relationship of plant to water, soil, and organic substances.

CO2- They shall be able to deal with enzymology, growth and developmental process of plants.

CO3- They shall be able to understand the basic concepts of genetic engineering and Biotechnology.

B. Sc. III (B)

Ecological and Utilisation of Plants

CO1- Students shall be able to understand the biological and physical factors of environment and their existence and importance to environment.

CO2- Students shall be able to explain the functioning of ecosystem.

CO3- They shall be able to Explain about economically important plants.

CO4- They shall be able to explain the ecological related topics.

Course outcome

Department of Zoology

Three year degree course in zoology a student should be able to….

Programme outcome-

PO1- Depict, carry out &learn of major concept in zoology.

PO2- develop an awareness of the impact zoology on the atmosphere.

PO3- to ingrain scientific temperament in the student.

PO4- understand the phylum history and evolution of chordates &non – Chordates by graph /picture/model PO5- to study and understand the micro-organism and their pathogenicity, sings .symptoms & prevention.

PROGRAMM SPECIFIC OUTCOME

B. Sc. - I

PSO1- Gain the knowledge about structural organization of Animal and their component.

PSO2- understand the embryological stage and their role.

PSO3- to study and understand the vertebrate &invertebrate and their Physiology and anatomy.

PSO4- understand the cell transformation .immunity & cancer.

First paper-

COURSE OUTCOME-

1. The Cell &their component-

CO1- Understand the structure & function of cells and their component.

CO2- understand the DNA&RNA .structure and Importance.

2. Cell transformation and immunity

CO1- to study the cell transformation &cancer and their agent.

CO2- understand about immunity and their role .transplant rejection.

3. INVERTEBRATE& UNICELLULAR ANIMALS-

CO1- to study the internal as well as external character of Vertebrate.

4. PATNOGENIC VECTOR-

CO1- understand about pathogenic vector and their life cycle in Different types of host.

CO2- To study the pathogenicity, prevention, sings, and symptoms.

5. PHYLLUM-MOLLUSCA AND ECHINODERM-

CO1- To study the classification & general character of Mollusca and their role in pear/formation.

CO2- uses as a source of sea food, and economic importance.

B. Sc. I Second paper

1. HEMICHORDATA AND PROTOCHORDATA

CO1- to study the evolutionary importance of hemichordate & protochordata .
CO2- understand the character, histology and affinities of hemi & protochordates.

2. FISH, AMPHIBIA, & REPTILES HISTOLOGY AND PARANTAL CARE.

CO1- understand the method of parental care in fishes and amphibian.
CO2- understand about migration of fishes, poisonous and non –poisonous snakes. & antivenin.

3. BIRDS &MAMMALS

CO1- the flight adaptation system of birds
CO2- to study the different types of mammals their adaptation and affinities.

4. PARTHENOGENESIS, EMBRAYOLOGY OF CHICK &FROG

CO1- understand the formation of different types of organ of chick and frog.
CO2- understand the artificial fertilization and their role.

5. REGENERATION, PLACENTA &EMBRAYONIC MEMBRANE

CO1- the extra embryonic membrane and their role.
CO2- study the types of placenta in different organism.
CO3- understand the cell repair method in the organism.

B. Sc. II

Program specific outcome –

PSO1- Understand the comparative anatomy of various organ system. Of vertebrate by picture .model & Slide, graph.
PSO2- Know about cellular organization.
PSO3- Understand the physiology –heart, muscle, nerve, ear & eye.
PSO4- Understand the blood coagulation system and their type's .through practical.
PSO5- To study the hormones receptor .hormones gland .and their disorder.
PSO6- To study and understand the evolutionary biology.
PSO7- Understand the method of apiculture, pisciculture .sericulture .etc. PSO8- Understand the parturition and their abnormalities.
PSO9- To study about ethology &their pattern.

Course outcome
Paper I

1. INTEGUMENTORY, ALIMENTORY &RESPIRATORY SYSTEM

CO1- Understand the role of integument in adaptation, evolution and protection.

CO2- to study the digestive & Respiratory system.

2. SKELETON, URINOGENITAL &CIRCULATORY SYSTEM

CO1- To study the evolution of heart &kidney, aortic arch and urogenital system.

CO2- understand the skeleton system in the chordate and their role.

3. ENDOCRINE GLAND &NERVOUS SYSTEM

CO1- to study the different types of endocrine gland and their role in the chordate.

CO2- understand about nervous system and their types by model and graph.

4. PHYSIOLOGY OF DIGESTION &RESPIRATION

CO1- To study and understand the mechanism of digestion and absorption , CO2- understand the mechanism and control of breathing and cardiac cycle.

5. OSMOREGULATION, EXCRETION & STRUCTURE OF EYE AND YEAR

CO1- understand the mechanism of osmoregulation .nerve impulse and excretion.

PAPER –II

COURSE OUTCOME

1. ENDOCRINOLOGY

CO1- to study the general character, action and disorder of hormones.

CO2- understand the role of hormones and their disorder.

2. REPRODUCTIVE BIOLOGY

CO1- Understand the Reproductive cycle in vertebrates

CO2- To study the Lacto genesis and pregnancy and parturition

CO3- Understand the Genic Labours related problem and their Disorder.

3. Evolutionary Biology

CO1- Understand the process of evolution and their evidences.

CO2- Understand the evolution factor and their role.

4. Ethnology Drugs and Envious

CO1- Understand the role of behaviours in adaptation and different stager of ages.

CO2- Understand the drugs behaviours and their disorder.

5. Element and pest control and culture

CO1- To study the method of apiculture pisciculture sericulture, Poultry keeping and their economic Importance.

CO2- Understand the biological and chemical method for pest control.

B.Sc –III

PROGRAM SPECIFIC OUTCOME

PSO1- To stady and understand the aims &scope of ecology .
PSO2- solve the problems and also think methodology and draw a logical conclusion .
PSO3- to study the general & applied microbiology and their role .
PSO4- understand about pathogenic micro- organism their symptoms and treatment.
PSO5- Study and understand the DNA recombinant technique and cell physiology.

COURCE OUTCOME -PAPER –I

1. **ECOLOGY** –to study the major ecosystem of the world .population & communities, and succession.

CO1- to study about pollution and their pathogenic effect.

2. **ENVIRONMENTAL BIOLOGY**

CO1- understand the ecological interaction and their role in the environmental stability.
CO2- to study the environmental conservation & environmental impact assessment .

3. **TOXICOLOGY**

CO1- understand about different type of toxic material and their fatal period treatment.
CO2- and also animal poison sings &symptoms and treatment .

4. **medical microbiology**

CO1- understand about the pathogenic micro-organism & their vector and treatment .

5. **Microbiology**

CO1- to study the advantages of micro – organism and their role in hormones, antibody and alcohol production.
CO2- understand the process of water and sewage treatment.

PAPER –II

COURSE OUTCOME

1. **GENETICS**- understand the gene interaction and expression method.

CO1- understand the chromosomal disorder & single gene disorder .

2. **CELL PHYSIOLOGY**

CO1- to study the general idea about buffer and pH system.
CO2- understand the cell membrane transportation & their role in the metabolic activity.

3. **BIOCHEMISTRY**

CO1- to study the basic structure & function of amino acid.
CO2- understand the metabolism of carbohydrates, protein and lipid,

4. BIOCHEMISTRY

CO1- -understand the scope &importance of biotechnology.
CO2- to study the recombinant DNA technology and their application.

5. BIOTECHNIQE

CO1- to study the separation method of biomolecule by chromatography, centrifuge.
CO2- types of microscopy and their uses.

Department of chemistry

After successful completion of three year degree program me in chemistry a student should be able to-

Program outcomes:- B.Sc. Chemistry

PO (1) Demonstrate & an understanding of major concepts in all disciplines of chemistry.

PO (2) Solve the question & also think concept and Independently draw a logical conclusion.

PO (3) Employ critical though and scientific knowledge to design record and analyze the results of chemicals reaction.

PO (4) Developed an awareness of the impact of chemistry on the environment, society and development the scientific community.

PO (5) Find out the Green path for chemical reaction for sustainable development.

Program specific outcomes:

PSO (1) Obtain the knowledge of chemistry through theoretically & practically.

PSO (2) To describe nomenclature, stereo chemical, structure, reactivity& mechanism of the chemical reaction.

PSO(3) Understand chemical formula solve numerical questions.

PSO (4) Use latest chemical tools, modes, charts & equipment's.

PSO (5) Understand better laboratory practices and safely.

PSO (6) Developed research related skills and Innovative technique.

Course outcome B.Sc. 1st year

After completion of these courses students should be able to:-

(1) Inorganic chemistry

CO (1) To understand the including effect & other field effect.

CO(2) To discuss the crown ether & inclusion compound.

CO (3) Knowledge about the intermediate like carbocation, carbanion, carbene, nitrene like etc

CO (4)knowledge the hybridization in molecules.

(2) Organic chemistry

CO (1) Define organic acids & base.

CO (2) Distinguish between geometrical & optical isomers.

CO (3) Know kinetic, mechanism and steriochemistry SN1& SN2 reaction.

CO(4) Compare between E1 and E2 reaction.

(3) Physical chemistry

CO(1) To discuss about Gaseous theory.

CO (2) To know the solid state theory and Braggs equation.

CO (3) Discuss the colidal state and Tindal effect in surface chemistry.

CO (4) Knowledge the rate of reaction & order of reaction – first, second & third order reaction.

Practical course outcome

CO(1) To know about two acid radical and two basic radical to separate in inorganic mixture.

CO(2) Knowledge about identification of functional group in given organic compound.

CO(3) To understand the calculation of surface tension with the help of stalagmometer stand pycnometer.

Course outcome B.Sc. 2nd year

After completion of these courses students should be able to:-

(1) Inorganic chemistry

CO (1) Understand the electronic configuration & varies properties of d & f block elements.

CO (2) Know the VBT theory for complexes.

CO(3) To understand the extraction methods for lanthanides & acteniods.

CO (4) Know the electronic spectra of elements.

(2) Organic chemistry

CO (1) To understand the monohydric, dihydric and trihydric alcohol.

CO (2) Know the benzoin condensation and various name reaction.

CO (3) Knowledge the heterocyclic compound and their synthesis.

CO (4) Understanding the amine acids, lipids and other biomolucular compound .

(3) Physical chemistry

CO (1) Knowledge the thermodynamic 1^{st} , $2^{nd}$and third low of thermodynamic.

CO (2) To understand the cell reaction and cell rotation.

CO (3) Know the nernest equation and Gibb's free energy.

CO (4) Discuss about the corrosion.

practical course outcome

CO (1) Discussion about synthesis and analysis by preparing the standard solution given.

CO (2) To knowledge about functional group specific group identification in given organic compound.

CO (3) Know the determination of transition temperature by thermometric method of $MnCl_2$ or $SrBr_2$ technique.

CO (4) To understand chromatography

B.Sc. 3rd year

Course Outcomes –After completion of these course student should be able to

(1) Inorganic chemistry

CO (1) Know the metal ligand bonding nature & its properties.

CO(2) Study the magnetic properties and its behavior.

CO (3) Get knowledge about Bioinorganic chemistry.

CO (4) Study about Essential& toxic element.

(2) Organic chemistry

CO (1) To study UV,IR,& NMR , ESR spectroscopy

CO (2) Discuss about electronic transition molecule.

CO (3) Knowledge about synthetic dyes & Rubbers.

CO (4) Understand the organometallic chemistry & its daily use.

(3) Physical chemistry

CO (1) Understand the completion effect & black body radiation.

CO (2) Know about Hook's law.

CO (3) Discuss about jablonski diagram.

CO (4) Knowledge the result's law .

Practical course outcome

CO(1) To study binary mixture with removal of borate and phosphate.

CO(2) Perform the binary mixture.

CO(3) Preparation of organic compounds their purification and run. TLC

CO(4) Determination of physical constant M.P. & B.P.

CO(5) Determination specific relations and percent age of to optically active substance by polarometrically.

Department of chemistry
M.Sc. Chemistry

Program outcomesM.sc. chemistry

After successful completion of two year (four semester) degree program me in chemistry a student should be able to

PO-1 Determine molecular structure by using nuclear magnetic resonance and infrared spectroscopy.

PO-2 study of medicinal chemistry for lead compound.

PO-3 improve the skill of student in organic research area and.

PO-4 study of Asymmetric and symmetric synthesis.

PO-5 determine the aromatic city of heterocyclic and simple aromatic compound.

PO-6 synthesis of natural products and medicine by using systematicmechanism.

Program specific outcome :-

PSO (1) To understand the structure and boding nature in molecules ions and predict the structure of compound.

PSO(2) Learn the different types of reactions like aliphatic, aromatic, nucleophilic substitution etc.

PSO(3) Understand the similar name reaction and their reaction mechanism.

PSO(4) To know better laboratory practices and safety.

PSO(5) Study of organometallic reaction and their application in modern days.

PSO(6) Study of Biological system by using amino acids and lipidsDepartment of Chemistry

Course Outcome

M.Sc. Chemistry First Sem

Department of chemistry :- After successful completion of there year degree chemistry a student should be able to .

Student seeking admission for M.Sc. in Chemistry Program are expected to imbue with following quality which help theme in their future life to achieve the expected goals .

1. GROUP THEORY AND CHEMISTRY OF METAL COMPLEXES

CO (1) TO LEARN ABOUT SYMMETRY AND GROUP THEORY IN CHEMISTRY.
CO (2) UNDERSTAND THE METAL-LIGAND BONDING AND METAL-COMPLEXES.
CO (3) TO LEARN ABOUT METAL–LIGAND EQUILIBRA IN SOLUTION AND ISOPOLY ACID AND HETEROPOLYACID (SILICATES, SILICONES).
CO (4) TO LEARN ABOUT METAL CLUSTERS , CHAINS,RINGS.

2. PAPER NO. CH –2 (CONCEPTS IN ORGANIC CHEMISTRY).

CO (1) UNDERSTAND THE MATHEMATICAL CONCEPT IN QUANTUM CHEMISTRY.
CO (2) TO LEARN ABOUT BASICS OF THERMODYNAMICS.
CO (3) UNDERSTAND THE ALL CONCEPT OF ELECTROCHEMISTRY.
CO (4) UNDERSTAND THE ALL CONCEPT OF CHEMICAL DYNAMICS.

3. **PAPER NO. CH –2 (CONCEPTS IN ORGANIC CHEMISTRY).**

CO (1) TO LEARN ABOUT NATURE OF BONDING IN ORGANIC MOLECULES AND AROMATICITY.
CO (2)UNDERSTAND THE CONFORMATIONAL ANALYSIS AND STEREOCHEMISTRY.
CO (3) TO LEARN ABOUT REACTION INTERMEDIATES AND ELIMINATION REACTIONS.
CO (4) TO LEARN ABOUT PERICYCLIC REACTIONS.

4. **PAPER NO. CH – 4 (THEORY AND APPLICATIONS OF SPECTROSCOPY).**

CO (1) TO LEARN ABOUT UNIFYING PRINCIPLES.
CO (2)UNDERSTAND THE MICROWAVE SPECTROSCOPY.
CO (3) TO LEARN ABOUT SCATTERING SPECTROSCOPY.
CO (4)UNDERSTAND THE RAMAN SPECTROSCOPY.

Course Outcome M.Sc. Chemistry

Second Sem :-

1. TRANSITION METAL COMPLEXES

CO (1)UNDERSTAND THE REACTION MECHANISM OF TRANSITION METAL COMPLEXES.
CO (2)UNDERSTAND THE ELECTRONIC SPECTRA AND MAGNETIC PROPERTIES OF TRANSITION METAL COMPLEXES
CO (3)UNDERSTAND THE TRANSITION METAL COMPLEXES.
CO (4) TO LEARN ABOUT ALKYLS AND ARYLS OF TRANSITION METALS ,COMPOUNDS OF TRANSITION METAL ,CARBON MULTIPLE BONDSFLUXIONAL ORGANOMETALLIC COMPOUNDS.

2. PAPER NO. CH - 8 REACTION MECHANISMS.

CO (1)UNDERSTAND THE SN1 AND SN2 REACTION .
CO (2) TO LEARN ABOUT The SNAr, SN1, – SE1, SE2.
CO (3)UNDERSTAND THE ADDITION TO CARBON-CARBON MULTIPLE BONDS.

3. QUANTUM CHEMISTRY, THERMODYNAMICS AND CHEMICAL DYNAMICS – II

CO (1)UNDERSTAND THE APPLICATION OF MATRICES IN QUANTUM CHEMISTRY, ANGULAR MOMENTUM IN QUANTUM CHEMISTRY, APPROXIMATE METHODS.
CO (2)UNDERSTAND THE ELECTROCHEMISTRY –Structure of electrified interfaces. Gouy-Chapman and Stern models.
CO (3)UNDERSTAND THE CHEMICAL DYNAMICS –IGeneral features of fast reactions by flow method, relaxation method, flash photolysis and the nuclear magnetic resonance method.

4. THEORY AND APPLICATIONS OF SPECTROSCOPY –II

CO (1)UNDERSTAND THE ULTRAVIOLET AND VISIBLE SPECTROSCOPY.
CO (2)UNDERSTAND THE INFRA RED SPECTROSCOPY.
CO (3)UNDERSTAND THE MASS SPECTROMETRY.

Course Outcome M.Sc. Chemistry

Third Sem :-

1. **RESONANCE SPECTROSCOPY, PHOTOCHEMISTRY AND ORGANOCATALYSIS.**

CO (1)UNDERSTAND THE ELECTRON SPIN RESONANCE SPECTROSCOPY AND NUCLEAR QUADRUPOLE RESONANCE SPECTROSCOPY

CO (2)UNDERSTAND THE Basic principle for atoms and molecules AND Basic principle of Photo acoustic Spectroscopy (PAS), PAS –gases and condensed system. Chemical and Surface applications.

CO (3)UNDERSTAND THE PHOTOCHEMICAL REACTIONS AND DETERMINATION OF REACTION MECHANISM, MISCELLANEOUS PHOTOCHEMICAL REACTIONS

CO (4)UNDERSTAND THE ORGANOCATALYSIS General Principles

2. **CHEMISTRY OF BIOMOLECULES.**

CO (1)UNDERSTAND THE BIOENERGETICS,ELECTRON TRANSFER IN BIOLOGY, TRANSPORT AND STORAGE OF DIOXYGEN

CO (2)UNDERSTAND THE METALLOENZYMES ,ENZYME MODELS: Host-guest chemistry,

CO (3)UNDERSTAND THE ENZYMES ,CO-ENZYME CHEMISTRY,BIOTECHNOLOGICAL APPLICATIONS OF ENZYMES.

CO (1)UNDERSTAND THE BIOPOLYMER INTERACTIONS, THERMODYNAMICS OF BIOPOLYMER SOLUTIONS CELL MEMBRANE AND TRANSPORT OF IONS.

3. **CATALYSIS, SOLID STATE AND SURFACE CHEMISTRY.**

CO (1)UNDERSTAND THE ACIDS, BASES, ELECTROPHILES, NUCLEOPHILES AND CATALYSIS.

CO (2)UNDERSTAND THE MICELLES.

CO (3)UNDERSTAND THE SOLID STATE CHEMISTRY .

CO (4)UNDERSTAND THE MACROMOLECULES.

4. **PAPER NO. CH –16 ANALYTICAL TECHNIQUES AND DATA ANALYSIS.**

CO (1)UNDERSTAND THE SAMPLE PREPARATION, DIGESTION AND STATISTICAL.

CO (2)UNDERSTAND THE SEPARATION TECHNIQUES .

CO (3)UNDERSTAND THE THERMAL AND AUTOMATED METHOD.

Course Outcome M.Sc. Chemistry

Fourth Sem

1. INSTRUMENTAL METHODS OF ANALYSIS.

CO (1) TO LEARN ABOUT ADVANCED CHROMATOGRAPHY **.**
CO (2) TO LEARN ABOUT X-RAY AND PROTON INDUCED SPECTROSCOPY.
CO (3) TO LEARN ABOUT ATOMIC EMISSION SPECTROSCOPY .
CO (4) TO LEARN ABOUT ATOMIC ABSORPTION SPECTROSCOPY AND HYPHENATED .

2. PAPER NO. CH - 20 NATURAL PRODUCTS AND MEDICINAL CHEMISTRY .

CO (1) TO LEARN ABOUT Terpenoids and Carotenoids and Alkaloids.
CO (2) TO LEARN ABOUT Steroids: Isolation, structure determination and synthesis of .
CO (3) TO LEARN ABOUT Drug Design Development of new drugs procedures followed in drug design.
CO (4) TO LEARN ABOUT Antineoplastic Agents: Introduction Antimalarials.
CO (5) TO LEARN ABOUT LECTROCHEMISTRY Principles and instrumentation of pH potentiometry, coulometry and conductometry. B. POLAROGRAPHY.

3. MATERIAL AND NUCLEAR CHEMISTRY.

CO (1) TO LEARN ABOUT NON EQUILIBRIUM THERMODYNAMICS: Fundamental concepts, Forces and Fluxes, Entropy production, Phenomenological Laws and Onsager's theory for biological systems, coupled reactions.
CO (2) TO LEARN ABOUT MATERIAL CHEMISTRY: Preparation and Properties of Nanoparticles, Materials-Metals, Ceramics (Oxide, carbides, sulphides, nitrides.
CO (3) TO LEARN ABOUT SUPRAMOLECULAR CHEMISTRY
CO (14TO LEARN ABOUT NUCLEAR AND RADIOCHEMISTRY NUCLEAR THEORY, NUCLEAR FISSION,NUCLEAR ENERGY, APPLIED RADIOCHEMISTRY.

4. PAPER NO. CH – 22 ENVIRONMENTAL & APPLIED CHEMICAL ANALYSIS

CO (1) TO LEARN ABOUT AIR POLLUTION MONITORING AND ANALYSIS.
CO (2) TO LEARN ABOUT SOIL AND WATER POLLUTION .
CO (3) TO LEARN ABOUT FOOD ANALYSIS .
CO (4) TO LEARN ABOUT COSMETICS, CLINICAL AND DRUG ANALYSIS.

Programme Outcome

Bachelor of Commerce is the graduation course started in 2011 with the establishment of College. It's main objective is to aware the students regarding commercial language of business enterprises, legal rules relating to business, sole proprietorship, partnership firms, Hindu Undivided Family and Company. Students learn about the company law, Contract Act which is fruitful to the real life of the people and business applicability. Students learn how to enter into a contract. Essential elements of Contracts are taught which is very important to the real life. Business organizations and management, principles of management, wages theory are included in the syllabus. In Business Economics students learn about micro economics, macroeconomics, factors of production, national income.

Course Outcome

Bachelor of Commerce is a three years undergraduate course. Course includes six subjects in each year.

B.Com. First Year:

Group: 1

Subject: Financial Accounting: students are benefitted by the knowledge of basics of financial accounts in which golden rule of accounting, accounting concepts & principles, equation, journals, ledger, trial balance and final accounts as income statements like trading, P&L a/c, Financial Position (Balance Sheet). Bank reconciliation statement is directly related to rectify the transactions of bank passbook and bank statement. Students can apply this knowledge in various field of accounting. Tally is software package for accounting.

Group: 1

Subject: Business Communication:

- To understand the basic elements and classification of communication.
- To develop knowledge about evaluation of communication thoughts.
- To enhance their writing skill and report writings.
- Better communication skill and interview techniques.
- Effective listening and proper feedback.

Group: 2

Subject: 1. Business Mathematics:

1. To understand the basic calculations and simplest techniques of calculation.
2. To provide practical knowledge regarding simple interest and compound interest.
3. Ratio and proportion is taught which is practically used in the real life.
4. Average and percentage is used everywhere.
5. Logarithm is used to calculate large numbers.

Group: 2

Subject: 2. Business Regulatory Framework

- To help the students to understanding about the Law of contract in which proposal, acceptance, consideration, legal object, capacity of the party entering into the contract.
- To introduce the concept of sales, its rules and regulations and remedies for the unpaid seller.

- Negotiable instruments are dealt with the students in which cheques, bills of exchange, promissory notes etc.
- Consumer Protection Act is very essential to the present scenario which is taught to the students.

Group: 3

Subject: 1. Business Environment:

- Knowledge of Basics in business environment is provided to the students.
- Environmental protection awareness is spread among the students.
- Theory of monetary and fiscal policy, globalization, and devaluation of money is discussed.
- Balance of trade and balance of payments is included in the syllabus.
- Students are provided the knowledge regarding WTO, UNCTAD, World Bank, IMF and its implication on trade.

Group: 3

Subject: 2. Business Economics:

- Students are provided the knowledge about micro economics, macroeconomics.
- Concepts of demand and supply, factors of production.
- National income is taught which is very important to the students.
- Pricing policy in perfect competitive market, monopoly, monopolistic competition.

B.Com. Second Year:

Group 1:

Subject: 1. Corporate Accounting:

- Corporate account

Programme Outcome

Bachelor of Commerce is the graduation course started in 2011 with the establishment of College. It's main objective is to aware the students regarding commercial language of business enterprises, legal rules relating to business, sole proprietorship, partnership firms, Hindu Undivided Family and Company. Students learn about the company law, Contract Act which is fruitful to the real life of the people and business applicability. Students learn how to enter into a contract. Essential elements of Contracts are taught which is very important to the real life. Business organizations and management, principles of management, wages theory are included in the syllabus. In Business Economics students learn about micro economics, macroeconomics, factors of production, national income.

Course Outcome

Bachelor of Commerce is a three years undergraduate course. Course includes six subjects in each year.

B.Com. Second Year:

Group: 1

SUBJECT: 1. CORPORATE ACCOUNTING:

- Students learnt about share and debenture.
- Valuation of shares and redemption of debenture is taught to the students.
- Company final account is essential to know at this competitive era.
- Merger and acquisition is the trending features of the era, thus it is important for all students.

SUBJECT: 2. COMPANY LAW:

- Students are made aware of the company law 2013 in which new salient features are included.
- Types of company and its formation is essential to know every students.
- How company is incorporated and started its business in the market, all rules and regulations are explained.

Group: 2

SUBJECT: 1. COST ACCOUNTING:

- Costing is essential to every manufacturing concern.
- Unit costing and cost sheet is taught to the students.
- Job Costing and Batch Costing is important.
- Contract costing is very useful to the real life.

SUBJECT: 2. Principles of Business Management

- To introduce the meaning and scope of Business Management.
- Induce students by motivational theories.
- Understand the concept of planning decision making.
- Introduction on Managerial control.

Group: 3

SUBJECT: 1. Business Statistics

- To understand the basic knowledge about statistics.
- To provide practical Exposure on calculation of measures of central tendency.
- To provide practical approach on correlation and regression.
- To understand the concept of Index number.
- Concept of probability and its applications.

SUBJECT: 2. Fundamentals of Entrepreneurship

- To develop the concept of entrepreneurship and its applicability.
- To create awareness on various entrepreneurial program.
- Entrepreneurial behavior and environment is essential.
- Role of entrepreneurship and its scope.

Programme Outcome

Bachelor of Commerce is the graduation course started in 2011 with the establishment of College. It's main objective is to aware the students regarding commercial language of business enterprises, legal rules relating to business, sole proprietorship, partnership firms, Hindu Undivided Family and Company. Students learn about the company law, Contract Act which is fruitful to the real life of the people and business applicability. Students learn how to enter into a contract. Essential elements of Contracts are taught which is very important to the real life. Business organizations and management, principles of management, wages theory are included in the syllabus. In Business Economics students learn about micro economics, macroeconomics, factors of production, national income.

Course Outcome

Bachelor of Commerce is a three years undergraduate course. Course includes six subjects in each year.

B.Com. Final Year:

SUBJECT: 1. Income Tax

- To introduce the basic concepts of income from all major headings.
- Residential status of the income tax payer is introduced.
- Income from Salary, House Property, Business/Professions, Capital Gains and income from other sources are explained to the students.
- Students are taught about deductions allowed u/s 80C to 80 U.
- Income tax calculation and tax planning is beneficial to the students.

SUBJECT: 2. Auditing

- To know the nature and scope of auditing.
- To promote the internal check system.
- Audit of Company, partnership firms, PPP Firms etc. are important for the students.
- Auditing is essential in the competitive era.

Subject: 3. Indirect Tax

- To develop an idea about Central Excise.
- To enlighten the concept of state excise, CENVAT.
- Enabling the students to have the fair idea on role of customs in international trade.
- To determine the concept of central sales tax and state commercial tax.

Subject: 4. Management Accounting

- To enlighten the knowledge of management accounting.
- Helps to give proper idea on financial statement analysis in practical points of view.
- Cash Flow and Fund flow statements are essential in the real world.
- Accounting ratios are very useful to the business.
- Marginal costing and differential costing is important to the students.

Group: 1

Subject: 1. Principles of Marketing

- Nature and scope of marketing and applicability of marketing.
- To enhance the knowledge of students on consumer behavior.
- Product life cycle and its stages are very important for the manufacturing concern.
- Pricing policies and sales forecasting are essential for the concern.

Subject: 2. International Marketing

- To help the students regarding international marketing.
- Identifying and selecting foreign market.
- Trade association and international distribution are taught.
- Importance of foreign trade and EXIM policy.