GOVT. ARVIND COLLEGE KIRANDUL

Programme Specific outcome(PSOs),

Programme outcome(POs),Course outcome(COs)

DEPARTMENT OF CHEMISTRY

Programme Outcomes: M.Sc. Chemistry

ProgrammeName - M.Sc. Chemistry Programme Code-MSSC

SCHEME OF PROGRAM AT A GLANCE

FIRST SEMESTER

Course	Course Title	Theory Course			Practical Course	
		Sem. Exam.	Int. Test	Total	Course	Exam.
CH-1	Group theory and chemistry of metal complexes	80	20	100	Lab Course-I	100
CH-2	Concept in organic chemistry	80	20	100		
CH-3	Quantum chemistry ,Thermodynamics and chemical dynamics -1	80	20	100	Lab Course-II	100
CH-4	Theory and application of spectroscopy	80	20	100		
			Total	400		200

SECOND SEMESTER

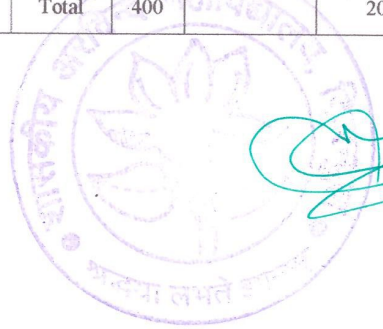
Course	Course Title	Theory Course			Practical Course	
		Sem. Exam.	Int. Test	Total	Course	Exam.
CH-7	Transition metal complexes	80	20	100	Lab Course-I	100
CH-8	Reaction mechanism	80	20	100		
CH-9	Quantum chemistry ,Thermodynamics and chemical dynamics -2	80	20	100	Lab Course-II	100
CH-10	Theory and application of spectroscopy-II	80	20	100		
			Total	400		200

THIRD SEMESTER

Course	Course Title	Theory Course			Practical Course	
		Sem. Exam.	Int. Test	Total	Course	Exam.
CH-13	RESONANCE SPECTROSCOPY AND PHOTOCHEMISTRY	80	20	100	Lab Course-I	100
CH-14	CHEMISTRY OF BIOMOLECULES	80	20	100		
CH-15	Catalysis solid State and Surface Chemistry	80	20	100	Lab Course-II	100
CH-16	Analytical Techniques and data Analysis	80	20	100		
			Total	400		200

FOURTH SEMESTER

Course	Course Title	Theory Course			Practical Course	
		Sem. Exam.	Int. Test	Total	Course	Exam.
CH-19	Instrumental Method of Analysis	80	20	100	Lab Course-I	100
CH-20	Medicinal Chemistry	80	20	100		
CH-21	Material and Nuclear chemistry	80	20	100	Lab Course-II	100
CH-22	Aplied chemical Analysis	80	20	100		
			Total	400		200



Department of Chemistry	After successful completion of Two years(4 Semester) degree programme in chemistry a student should be able to:
Programm Outcome	PO-1 Demonstrate and apply the fundamental knowledge of the basic principles in various fields of chemistry PO-2 Know about the theory and principles of determination of structure of organic compounds by different types of spectroscopy PO-3 chemistry of natural products, Medicines , Heterocyclic compound and Bio- organic , Bioinorganic and Biophysical chemistry PO-4 Create awareness and sense of responsibilities towards environment and apply knowledge to solve the issues related to environmental pollution PO-5 Enhance the scientific temper among the students so as to develop a research culture in different fields.

M.Sc. Chemistry	MSc 1st semester	PO-1. Students will study symmetry and group theory in chemistry and will be able to imagine and visualize the point group, PO-2. Students will get acquainted with the unifying principles of spectroscopy like uncertainty relation, natural line width, selection rules, Born-Oppenheimer approximation, energy levels, etc. PO-3. Students will get acquainted with the basics of computers and computing, computer programming in 'C' Language. PO-4. Students will learn atomic absorption spectroscopy, its basic principle, instrumentation and applications in soil and water analysis.
	MSc 2nd semester	PO-1. Students will understand Instrumentation and working procedure of Molecular Spectroscopy and Microwave spectroscopy. PO-2. Students will study the Infrared spectroscopy, Raman Spectroscopy and their Instrumental Techniques. They will be able to predict structural properties of compound. PO-3. Students will study Nuclear Magnetic Resonance Spectroscopy and Nuclear Quadruple Resonance Spectroscopy. PO-4. Students will acquainted The Photoelectron Spectroscopy, Photo acoustic Spectroscopy and Electron Spin Resonance Spectroscopy.
	MSc 3rd semester	PO-1. This unit contains brief analysis of various photoinorganic reactions and role of instruments those are used in structural elucidation of molecules. PO-2. This section deals with metal and their significant role in biological process like respiration, photosynthesis and catalytic activities. PO-3. Organometalic chemistry is the major part of chemistry which deals with synthesis and chemical properties like catalysts, drugs of synthesized organometallic complexes PO-3. Students will learn about the instrumentation and application of various spectroscopy instruments like FTIR, UV-VIS, NMR, MASS spectra etc. for the structural determination of organic and inorganic molecules

	MSc 4th Semester	PO-1. Detailed knowledge about glasses, ceramics, composites & non-materials. PO-2. Understanding of Microscopic composites, nanomaterials. PO-3. Understanding about Principle and application of TGA, DTA, & DSC. PO-4. Understanding of Radiation Chemistry, radio analytical techniques.

Program Outcome: Science	
After completing bachelor programme in Science, a student will be able to develop:	
	1. Critical Thinking: The ability to gather and assess relevant information using abstract ideas to interpret it effectively. 2. Scientific Skills: Ability to understand scientific principles or concept and demonstrate scientific knowledge and skills in scientific reasoning. 3. Communication Skills: Develop oral and written skills to develop the communication, Ability to work productively on team projects with team spirit. 4. Social Adoptability: Inculcate values which provide guidelines for social conduct and social interaction, communication skills are the key to build a strong social support network. 5. Effective Citizenship: Develop into an ideal citizen who performs the duties towards himself, family, society, community and towards the country. 6. Environmental Awareness: Borders understanding of current national and global environmental problem. 7. Ethics: Moral and ethical value are at the development of scientific temper of mind, capacity to think and judge about oneself.

Course Outcome Sub-Chemistry

Chemistry	BSc 1-st Year	CO-1. Students will be able to perform mathematical concept for chemist & computers. CO-2. Students will be able to understand the concept of Maxwell's law & J-T effect. CO-3. Students will have a basic idea about Roults law & Van't Hoff factor of liquids. CO-4. Students will have an insight view about classification , structures and applications of liquid crystals, colloidal & solid state. CO-5.Students will study the about chemical kinetics & catalysis

	BSc 2nd Year	CO-1. This unit states with first law of thermodynamics and calculation of various mathematical expression related to ideal gases. CO-2. Second and third law of thermodynamics studied in detail with the basic concepts of entropy, pressure and temperature arious theories including nernest equation, le-chateliers equation and principle and gibbs phase rule and explain their importance in detail. CO-3. Principles and theories which explain the electrolytic solution and their conductivity has been explained CO-4. Redox, EMF, electrode reaction and concentration cells and their importance explain in brief.
	BSc 3rd year	CO-1. Students will know about the structure of atom, orbitals and importance of quantum mechanics in chemistry. CO-2. From this unit students gain the knowledge about applications of quantum mechanics. CO-3. Spectroscopy plays a very important role in determination of molecular and atomic structure. This unit gives basic knowledge about spectroscopy subject. CO-4. Students gains the knowledge about orientation of magnetic properties in substances. CO-5. This unit gives knowledge of third law thermodynamics.

DEPARTMENT OF ZOOLOGY

Programme Outcomes: M.Sc. Zoology

ProgrammeName - M.Sc. Zoology Programme Code-MSLZ

FIRST SEMESTER

Course	Course Title	Theory Course				Practical Course		
		Sem. Exam.	Seminar	Int. Test	Total	Cource	Exam.	Cource Contents
I	biosystematics and taxonomy	80	10	10	100	Lab Cource-I	100	Based On theory Paper I&II
II	structure and function of invertebrates	80	10	10	100			
III	population genetics and evolution	80	10	10	100	Lab Cource-I	100	Based On theory Paper III&IV
IV	tools AND TECHNIQUES IN BIOLOGY	80	10	10	100			
				Total	400		200	

SECOND SEMESTER

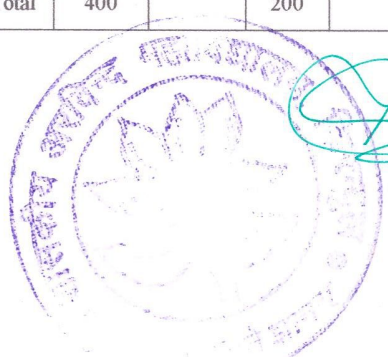
Course	Course Title	Theory Course				Practical Course		
		Sem. Exam.	Seminar	Int. Test	Total	Cource	Exam.	Cource Contents
I	molecular cell biology	80	10	10	100	Lab Cource-I	100	Based On theory Paper I&II
II	general and comparative endocrinology	80	10	10	100			
III	genetic biology and embryology	80	10	10	100	Lab Cource-I	100	Based On theory Paper III&IV
IV	environmental physiology and ecology	80	10	10	100			
				Total	400		200	

THIRD SEMESTER

Course	Course Title	Theory Course				Practical Course		
		Sem. Exam.	Seminar	Int. Test	Total	Cource	Exam.	Cource Contents
I	comparative anatomy of vertebrates	80	10	10	100	Lab Cource-I	100	Based On theory Paper I&II
II	animal behaviour	80	10	10	100			
III	population ecology	80	10	10	100	Lab Cource-I	100	Based On theory Paper III&IV
IV	reproductive physiology and immunology	80	10	10	100			
				Total	400		200	

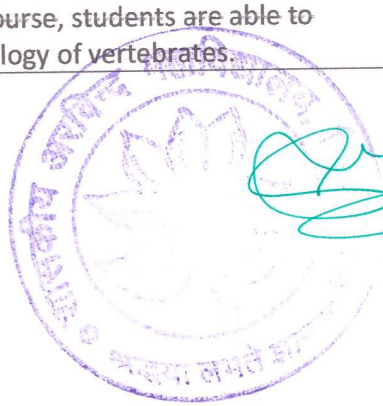
FOURTH SEMESTER

Course	Course Title	Theory Course				Practical Course		
		Sem. Exam.	Seminar	Int. Test	Total	Cource	Exam.	Cource Contents
I	limnology and ectoxicology	80	10	10	100	Lab Cource-I	100	Based On theory Paper I&II
II	icthyology	80	10	10	100			
III	capture fisheries	80	10	10	100	Lab Cource-I	100	Based On theory Paper III&IV
IV	aquaculture and culture fisheries	80	10	10	100			
				Total	400		200	



Department of zoology	After successful completion of two year degree programme in Zoology a student should be able to
Programme outcome	PO- 1 . Enable the learners to take certification of Master's degree in Zoology.
	PO-2. Equipped with an in-depth knowledge in the area of Zoology.
	PO-3 Enable them to specialize in one of the branches of Zoology that would be offered as elective courses.
	PO-4. Opportunities of continuing education and professional development.
	PO-5. Widen the scope of the learners for careers in different sectors of employment.
	PO-6. Enable the students to avail career opportunities in teaching, industry and research.
	PO-7. Relate the theory and practical knowledge to solve the problems of the society.
	PO-8. Face and succeed in high level competitive examinations like NET, SET, MPSC and UPSC.
	PO-9. Utilize the obtained scientific knowledge to create eco-friendly environment.
	PO-10. become expressive, ethical and responsible citizens with proven expertise.

M.Sc. Zoology	MSc 1st semester	CO-1. On completion of the course, students are able to understand the structure & function in Invertebrates. CO-2. On completion of the course, students are able to understand the Biosystematics and Taxonomy. CO-3. On completion of the course, students are able to understand Comparative Anatomy of Vertebrates. CO-4. On completion of the course, students are able to understand Population Ecology & Quantitative Biology.
	MSc 2nd semester	CO-1. On completion of the course, students are able to understand Molecular cell biology. CO-2. On completion of the course, students are able to understand Envioronmental physiology & Ecology. CO-3. On completion of the course, students are able to understand General and comparative Endocrinology. CO-4. On completion of the course, students are able to understand Tools and Techniqniques in biology.
	MSc 3rd semester	CO-1. On completion of the course, students are able to understand The Animal Behaviour. CO-2. On completion of the course, students are able to understand The Population Genetics and Evolution. CO-3. On completion of the course, students are able to understand Gamete and Developmental Biology. CO-4. On completion of the course, students are able to understand comparative physiology of vertebrates.



	MSc 4th Semester	CO-1. On completion of the course, students are able to understand The Limnology. CO-2. On completion of the course, students are able to understand Ichthyology. CO-3. On completion of the course, students are able to understand Capture Fisheries. CO-4. On completion of the course, students are able to understand Fishries and Aquaculture

Programme Name – B.Sc. Programme Code- UGBS

Course Outcome Sub-Botany

Botany	BSc 1st Year	CO-1. To acquire knowledge relevant to microbes and lower plants with practical knowledge. CO-2 To make aware the application of these studies to become entrepreneur. CO-3. To become employee of related industries. CO-4. To become employee of related scientific industries such as supplier of classwork material, slides, specimen etc. CO-5. To become teacher in educational institute.
	BSc 2nd Year	CO-1. To acquire knowledge relevant to gymnosperms and angiosperms with practical knowledge. CO-2. To make aware the application of these studies to become entrepreneur. CO-3. To become employee of related industries. CO-4. To become taxonomist.
	BSc 3rd year	CO-1. To acquire complete knowledge about plant physiology with practical knowledge. CO-2. To make aware the application of these studies to become entrepreneur. CO-3. To become employee of biotechnology and genetic engineering related industries

Programme Name – B.Sc. Programme Code- UGBS

Course Outcome Sub-Mathematics

Mathematics	BSc 1st Year	SUBJECT - Algebra and Trignometry Course Outcomes CO -1 To solve linear equation using matrix method . CO -2 To apply Caley Hamilton Theorem for finding inverse of matrix. CO- 3 To learn about solution of cubic equation (Cardon Method) and biquadratic equation. SUBJECT – Calculus Course Outcomes CO –1 To apply higher order derivation in order to get expansion of functions (Taylor and Machaurins series) CO . 2 To trace various equations by applying concept of asymptotes, nodes, cusps, singular point etc. CO -3 To apply techniques of differential equation in finding general and singular solution. CO- 4 To learn geometric meaning of differential equation. CO – 5 Method of variation of parameters for obtaining solution of given differential eqauation SUBJECT - Vector analysis and geometry Course CO-1 To learns analytical geometry with the help of vectors. CO - 2 To learn application of Gauss Theorem, Stocks theorem in the setting of differential forms. CO -3 To learnsabout various surface represented by general equation of conicoids. CO - 4 To learn geometric meaning of differential equation. CO -5 Method of variation of parameters for obtaining solution of given differential equation
	BSc 2nd Year	SUBJECT - Advanced Calculus . Course Outcomes CO 1 To understand concept of convergence of sequence, series and their various properties. CO 2 To learn about continuity, sequential continuity, uniform continuity . CO -3 To learn the application of mean value theorem and its geometrical meaning. CO -4 Understand function of several variables and its partial derivatives. CO 5 To learn application of partial differentiation in obtaining envelops and evaluates of given family of curves. CO - 6 To understanding Beta Gamma function and its applications. SUBJECT - Differential Equation. Course Outcomes CO 1 To solve Laplace transformation of derivatives and integral, solution of integrals and system of differential equations. CO 2 To learn partial differential equations and its various type, Charpits general method of solutions. CO 3 To learn partial differential equation of second and higher order, Homogeneous and nonhomogeneous equation with constant coefficient, Mobious method. CO 4 To learn series solution of differential equation, series method Bessels and Legendrs function with their properties, Orthogonalityof functions, Legendre polynomial etc. CO 5 To understand variational problem with fixed boundary, Euler equation for functional containing first order derivatives, variational problem with moving boundaries, variational principle of least action. SUBJECT - Mechanics Course Outcomes CO 1 To understand various analytic condition of equilibrium principle of

		virtual work, catenary. CO 2 To learn forces in three dimensional, poinsot central axis with problem, null lines and planes. CO- 3 To understand simple harmonic motion, Velocity and Acceleration along radial and crossradial direction, problem on central orbits. CO - 4 To understand Kaplers Law, motion on smooth and rough plane curves, Resisting medium, Motion of particle of varying mass, acceleration in terms of differen cordinates
	BSc 3rd year	SUBJECT – Analysis Course Outcomes CO 1 To learn series and their convergence, various test of convergent, Implicit function, Fourier series etc. CO 2 To learn Reimman integration, mean value theorem, Integral as a function of parameter etc. CO 3 To understand concept of complex number, complex valued function, Analytic function, Conformal mapping etc. CO 4 To learn metric spaces, Quasi metric space, Contraction principle, Complete metric space, various types of spaces, viz separable, countableetc. CO 5 To learn sequential compactness, Connectedness etc. SUBJECT - Abstract Algebra Course Outcomes CO 1 To understand Group Automorphism, Sylow's theorems. CO 2 To understand Homomorphism of rings, Idea of Ideals, Euclidian rings, Modules etc. CO 3 To learn Vector spaces its property, Idea of dimension, dimension of sums of subspace. CO 4 To learn Linear transformation with their matrix representation, Rank and nullity, digonalization, bilinear quadratic Hamiltons forms etc . CO 5 To understand Inner product space, Orthogonal vectors, Gram Schmidthorthogonalization process etc SUBJECT - Discrete Mathematics Course Outcomes CO 1 To understand the concept of directed graphs, connected and strongly connected graphs etc. CO 2 To understand various graphs. Eulerian and Hamiltonian graph with special importance. CO 3 To understand finite state machine and their application. CO 4 To learn discrete numeric function its use in recurrence relation and generating function. CO -5 Application of Boolean algebra in switching circuits

Programme Name – B.Sc. Programme Code- UGBS

Course Outcome Sub-Physics

Physics	BSc 1st Year	CO-1. To introduce the basics of mechanics and create problem solving approach in mechanics CO-2. Learn the basics of properties of mater, How solid and Liquid mater behaves and give characteristics in physical changes. CO-3. To Learn the effect of electric field and magnetic field in instrumentation and get theoretical as well as experimental knowledge of it. CO-4. To Learn the fundamental ideas of electrostatics and magnetostatics and to apply them to understand general phenomenon. CO-5. To learn the behaviour of electrical circuit with different elements and enhance the capability of analytical study in electrical devices.
	BSc 2nd Year	CO-1. To become familiar with various concept and phenomena in thermodynamics CO-2. To Clear understanding of advanced thermodynamic processes and develop problem solving approach. CO-3. To introduce the basic concept of statistical mechanics and expand the knowledge to the optimum level so that they must understand the theoretical phenomenon in materials. CO-4. To learn about waves and oscillations and apply them to understand the theory and application of it. CO-5. To learn advance level in optics and understand the working of common optical instruments. Detailed knowledge of interference, diffraction and polarisation with problem is provided. CO-6. To learn the concept of laser system and different type of laser with their applications.
	BSc 3rd year	CO-1. To know the origin of quantum mechanics and necessity to explain various effects. CO-2. To learn fundamental concepts of quantum mechanics and approach to the complex problems that can be explained. CO-3. To get the qualitative idea of atomic and molecular spectra and related effects like Raman effect and Zeeman effect. CO-4. To understand the phenomenon of Nuclear physics and know the working and theory of nuclear reactor. To know the basics of elementary particles. CO-5. Basics of Solid state physics is to be learned to understand the electrical and magnetic properties of solid materials. CO-6. To learn the basics of solid state devices like diode and transistor and understand their working and applications. CO-7. To learn C programming basics and apply it in general mathematical cases.

Program Outcome : Arts

After completing bachelor programme in Arts, a student will be able to develop:	
	1. Critical Thinking: Ability to identify, construct and evaluate arguments, ability to engage in reflective and independent thinking, integrates diverse sources of knowledge in solving problems. 2. Communication Skills: Develop oral and written skill for effective Communication, active participation in group activities will improve active learning skills and expressive skills and self confidence. 3. Social Adoptability Skills: Ability to communicate and share our thoughts & feeling with others, develop social interactions and become socially responsible individual (human being). 4. Ideal Citizen: Respect the value, principle ethics and contribute to society and community engage in civic responsibility and participate in civic life through volunteering. 5. Ethical Value: Inculcate ethical, moral and human values. 6. Environmental Awareness: Border understands of the local, national and global environment issues 7. Employability: Preparing students for job prospect in organized sector

Programme Name – B.A. Programme Code- UGBA

Course Outcome Sub-English

English	FC BA/BSc/B.com 1st year	CO-1 The students will get familiar with the main events, conflicts, inventions and rich history of Ancient India. CO-2 On successful completion of the Programme, the students will be able to gain knowledge on fundamental principles of English grammar including parts of speech, sentence types, sentence analysis, simple /compound/complex sentences, subject-verb agreement, pronoun usage, punctuation, capitalization etc. CO-3 The programme develops competence and communication skill in the language so that they might participate in all India as well as state services and other competitive examinations.
	FC BA 2nd year	CO-1 They will be familiarized with the development of science in ancient India through the text provided in the syllabus CO-2 It will make them aware about the current issues like how to fight diseases, water pollution, the after effects of war and uses of computers etc. CO-3 To make the students learn about principles of grammar like correct uses of preposition, tenses, modals, voice, narration, synthesis of sentences etc.
	FC BA 3rd year	CO-1 They will be familiarized with the national heritage and the values of Indian life and social system. CO-2 They will also get familiarized with the problems of developing countries. CO-3 To develop their linguistic competence and communicative skills.
	Literature BA 1st year	CO-1 The students will get familiar with the main events, conflicts, inventions and rich history of Ancient India starting from year 1550-1900. CO-2 They will come to know about great literary works in the field of drama, poetry, prose and fiction written by great authors.
	Literature BA 2nd year	CO-1 The students will get familiar with the main events, conflicts, inventions and literary works including poetry, prose, fiction, drama and short stories of modern age. CO-2 They well get acquainted with literary genres like elegy, sonnet, ode, one act play etc
	Literature BA 3rd year	CO-1 The students will get apprised with various Indian authors under Indian Writing in English. CO-1 They will also get exposure to the works of American authors under the paper American literature.

Programme Name – B.A. Programme Code- UGBA

Course Outcome Sub-Hindi

Department	Course	Course Outcome
Hindi	FC BA 1st year	CO-1. पल्लवन (संदर्भ विस्तार) पत्रलेखन, अनुवाद, शब्द शुद्धियां, पर्यायवाची, देवनागरी लिपि की वैज्ञानिकता, कम्प्यूटर की भाषा और संक्षिप्तिकरण CO-2. कार्यालयीन भाषा, मीडिया की भाषा, संज्ञा, सर्वनाम, विशेषण एवं किया विशेषण, संधि एवं समास CO-3. विकासशील देशों की समस्याएं, प्रौद्योगिकी, नगरीकरण, पर्यावरण प्रदूषण, कार्यालयीन पत्र CO-4 भारत में जनसंख्या, गरीबी तथा बेरोजगारी
	FC BA 2nd year	CO-1. हिंदी साहित्य के पांच महत्वपूर्ण लेखकों के बिबंध CO-2. हिंदी भाषा के विविध रूपों की प्रकृति CO-3 कार्यालयीन भाषा ओर मीडिया की भाषा CO-4 मशीनी भाषा CO-5 संज्ञा, सर्वनाम, विशेषण, किया विशेषण संधि, समास एवं शब्द संक्षिप्तियां
	FC BA 3rd year	CO-1 कविता, एकांकी और संस्कृति के साथ राष्ट्रीय एकीकरण का अध्ययने CO-2 भाषा संप्रेषण कला CO-3 हिंदी भाषा और सामान्य ज्ञान CO-4 विकासशील देशों समस्याओं का अध्ययन CO-5 प्रौद्योगिकी और नगरीकरण CO-6 आधुनिक तकनीकी सभ्यता CO-7 पर्यावरण प्रदूषण तथा कार्यालयीन पत्र लेखन CO-8 अनुवाद एवं प्रतिवेदन
	Literature BA 1st year	CO-1 प्राचीन हिंदी काव्य CO-2 कबीर, जायसी, सूरदास, तुलसीदास, घनानन्द CO-3 विद्यापति, रहीम, रसखान
	Literature BA 2nd year	CO-1 कहानी और उपन्यास CO-2 व्याख्या और विश्लेषण
	Literature BA 3rd year	CO-1 छत्तीसगढ़ी भाषा का इतिहास CO-2 छत्तीसगढ़ी साहित्य का इतिहास CO-3 छत्तीसगढ़ी रचनाकारों का परिचय

Programme Name – B.A. Programme Code-- UGBA
Course Outcome Sub-POLITICAL SCIENCE

Political Science	BA 1st year	CO -1 छात्रों को संविधान, मौलिक अधिकार के साथ मौलिक कर्तव्य को समझने का अवसर प्रदान करता है। CO -2 विद्यार्थियों को राज्य के कार्य एवं लोककल्याणकारीराज्य की अवधारणा का ज्ञान कराना।
	BA 2nd year	CO -3 तुलनात्मक शासन एवं राजनीति के बारे में मूलभूत जानकारी पदान करना। CO -4 विश्व कें प्रमुख दार्शनिक–प्लेटो, अरस्तु, रूसो मैकियावली, कार्लमार्क्स के विचारों से अवगत कराना। CO -5 विश्व के प्रमुख देशो की शासन प्रणालियों का तुलनात्मक अध्ययन कराना।
	BA 3rd year	CO -6 वैश्वीकरण का अंतर्राष्ट्रीय राजनीति स्तर पर किये गये प्रयासो का अध्ययन कराना। CO -7 पर्यावरण की विस्तृत जानकारी एवं कार्यप्रणाली की मूलभूत जानकारी प्रदान कराना।

Programme Name – M.A. Programme Code- MASE
Course Outcome Sub-ECONOMICS

Economics	MA 1st Semester	CO-1 सांख्यिकी का अध्ययन शोध के विभिन्न क्षेत्रों में उपयोगी है । CO-2 सहसंबंध, प्रतीपगमन का अध्ययन विविभन्न आर्थिक चरों के मध्य संबंध ज्ञात करने में तथा मान ज्ञात करने में सहायक है । इस प्रश्न–पत्र का अध्ययन देश की आर्थिक स्थिति के अध्ययन में सरकार को मूल्य निर्धारण में, कर व्यवस्था में उपयोगी है जिससे छात्र लाभान्वित होता है । समंकों का संकलन, वर्गीकरण, सारणीयन शोध कार्य में छात्रों के लिये उपयोगी । न्यादर्श का अध्ययन कर छात्र शोध कार्य में उपयोग कर सकता है ।
	MA 2nd Semester	CO-1 आर्थिक विकास का अध्ययन छात्र को देश की विभिन्न आर्थिक नीति एवं विकास दशा से अवगत कराता है । CO-2 विकास के विभिन्न सिद्धान्त (मॉडल) द्वारा, विकास के घटक यथा श्रम, पूंजी निर्माण, तकनीकी दशा के द्वारा विकास पर प्रभाव का अध्ययन छात्र के लिये उपयोगी है । CO-3 नियोजन के अध्ययन से छात्र देश की विकास नीति से परिचित होता है ।
	MA 3rd Semester	CO-1 पर्यावरण व परिस्थितिकी तंत्र के महत्व के विश्लेषण में सहायक । CO-2 आर्थिक विकास को पर्यावरणीय चिंताओं के साथ संगत बनाने में सहायक । CO-3 पर्यावरणीय संतुलन के अनुरूप आर्थिक नीति निर्धारण में सहायक
	MA 4th Semester	CO-1 भारतीय अर्थव्यवस्था की कार्यप्रणाली को गहराई से जानने में सहायक । CO-2 कृषि, उद्योग, आय, बचत, विनियोग, पूंजी–निर्माण जैसे महत्वपूर्ण । CO-3 अर्थव्यवस्था के विभिन्न क्षेत्रों के विकास में बाधक तत्वों की पहचान में सहायक तथा नीतिगत सुझावों में सहायक । CO-4 अर्थव्यवस्था के अनुरूप आर्थिक नीति निर्धारण में सहायक ।

Economics	BA 1st year	CO-1 अर्थशास्त्र से परिचित कराना। CO-2 उपयोगिता व मॉग का परिचय। CO-3 उत्पादन व लागत सिद्धान्त। CO-4 विभिन्न बाजार व मूल्य निर्धारण। CO-5 साधन मूल्य निर्धारण एवं कल्याण विषयक परिप्रेक्ष्य से अवगत कराना। CO-6 स्वतंत्रता पूर्व व पश्चात भारतीय अर्थव्यवस्था तथा जनसंख्या प्रवृत्ति पर प्रकाश डालना। CO-7 भारतीय व शासकीय योजनाओं का विश्लेषण करना तथा भारतीय उद्योग, नीति व अंतर्राष्ट्रीय व्यापार परिप्रेक्ष्यगत मौद्रिक एवं राजकोषीय नीति से परिचित कराना
	BA 2nd year	CO-1 अर्थव्यवस्था की जटिल कार्य प्रणाली को समझने में सहायक । CO-2 . आर्थिक नीति निर्धारण में सहायक । CO-3 . सामान्य बेरोजगारों, अन्तर्राष्ट्रीय व्यापार, विदेशी विनिमय आदि आर्थिक गतिविधियों के विश्लेषण में सहायक ।
	BA 3rd year	CO-1 मुद्रा, बैंकिंग एवं लोकवित्त की कार्य प्रणाली को समझने में सहायक । CO-2 अमौद्रिक नीति, बैंकिंग नीति एवं राजकोषीय नीति निर्धारण में सहायक । CO-3 मुद्रा, बैंकिंग एवं लोकवित्त की जटिलताओं को समझने तथा उसके निदान के योग्य समझ पैदा करने में सहायक ।

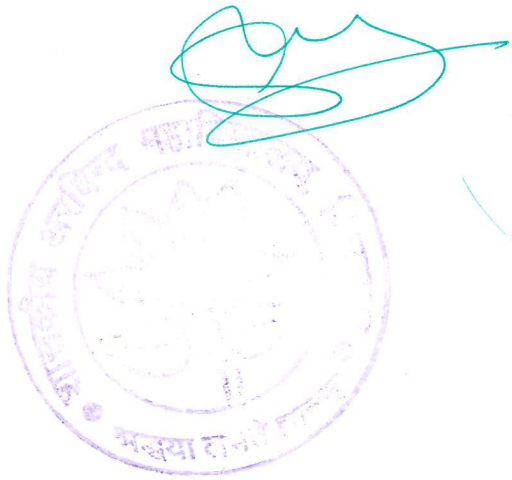
Programme Name – M.A. Programme Code- MAAE

Course Outcome Sub-ENGLISH

MA 1st Semester	CO-1 The students will have extensive knowledge of literary terms, major periods, major poets, dramatists, essayists and novelists, literary genres. CO-2 The students will get knowledge about the social, political and literary background of different ages from 14th century to 17th century
MA 2nd Semester	CO-1 Their knowledge about the literary terms, major periods, major poets, dramatists, essayists and novelists, literary genres will further be improvised. CO-2 The students will get knowledge about the social, political and literary background of different ages from 18th century to 20th century
MA 3rd Semester	The students will get detailed knowledge CO-1 About critical theories propounded by great critics from Aristotle to Matthew Arnold. CO-2 Indian writers writing in English like Rabindranath Tagore, Toru Dutt, MK Gandhi, and Mulkraj Anand. CO-3 American literature including poets and novelists like Walt Whitman, Emily Dickinson, Robert Frost and Emerson CO-4 About scope, levels and branches of linguistics, theories of language variation, morphology, and models of IC analysis. CO-5 Modern Writers like Hopkins, W.B. Yeats, T.S. Eliot, Ted Hughes etc.
MA 4th Semester	The students will get detailed knowledge CO-1 About critical theories propounded by great modern critics from Virginia Woolf to Elaine Showalter CO-2 Indian writers writing in English from A.K. Ramanujan to Mahesh Dattani. CO-3 American literature including poets and novelists from Mark Twain to William Faulkner. CO-4 About Organs of speech, Phonetics, Classification of consonant and Vowel Sounds, Phoneme and essentials of Stylistics etc. CO-5 Modern Writers like James Joyce, George Orwell, Samuel Becket, and Bapsi Sidhwa.

Programme Name – M.A. Programme Code- MAAH
Course Outcome Sub-HINDI

MA 1st Semester	CO-1 इतिहास, दर्शन और साहित्येतिहास CO-2 सूफी प्रेमाख्यानक काव्य CO-3 रासो काव्य परंपरा CO-4 पृथ्वीराजरासो CO-5 आधुनिक काव्य (छायावाद एवं पूर्ववर्ती काव्य) CO-6 आधुनिक गद्य साहित्य : नाटक, एकांकी एवं चरितात्मक कृति) CO-7 हिंदी वर्णमाला एवं वर्तनी
MA 2nd Semester	CO-1 उत्तर मध्यकालीन काव्य से आधुनिक काल–इतिहास CO-2 मध्यकालीन काव्य CO-3 प्रयोगवादी एवं प्रगतिवादी काव्य CO-4 आधुनिक गद्य साहित्य–उपन्यास, निबंधएवं कहानी CO-5 व्यावहारिक हिंदी–शब्द और शब्दार्थ
MA 3rd Semester	CO-1 साहित्य के सिद्धांत तथा आलोचना शास्त्र CO-2 भाषा विज्ञान CO-3 प्रयोजन मूलक हिंदी CO-4 भारतीय साहित्य
MA 4th Semester	CO-1 हिंदी आलोचना तथा समीक्षा शास्त्र CO-2 भाषा विज्ञान CO-3 मीडिया लेखन एवं अनुवाद CO-4 जनपदीय भाषा और साहित्य छत्तीसगढ़ी



Programme Name – M.A. Programme Code- MASS
Course Outcome Sub-SOCIOLOGY

Sociology	MA 1st Semester	CO-1 समाजशास्त्र विषय से संबंधित परंपरात्मक विचारकों का अध्ययन। CO-2 प्राचीन भारत व समकालीन भारत में सामाजिक परिवर्तन की प्रकृति व स्वरूप। CO-3 ग्रामीण भारत में पंचायती राज व्यवस्था के फल स्वरूप परिवर्तन का विश्लेषण।
	MA 2nd Semester	CO-1 सामाजिक शोध की परिमाणात्मक प्रविधि व सामाजिक सांख्यिकी की अवधारणा। CO-2 मानव विकास सूचकांक की अवधारणा, पंचवर्षीय योजनाओं का सामाजिक मूल्यांकन। CO-3 जनजातीय समाज का विश्लेषण तथा उनके समकालीन मुद्दे जैसे शिक्षा, स्वास्थ्य, महिलाओं की स्थिति का विश्लेषण। CO-4 कृषक आंदोलन का अध्ययन।
	MA 3rd Semester	CO-1 प्रमुख समाजशास्त्रीय सिद्वांत– प्रकार्यवाद, संघर्ष का सिद्वांत, संरचनावाद, विनिमय का सिद्वांत। CO-2 भारत के विभिन्न सामाजिक आंदोलनों का विश्लेषण। CO-3 भारतीय समाज के अध्ययन हेतु विभिन्न दृष्टिकोण यथा इंडोलॉजिकल, संरचनात्मक, प्रकार्यवाद, मार्क्सवाद, सभ्यतावादी दृष्टिकोण की व्याख्या। CO4 उद्योग व समाज के मध्य संबंधों का अध्ययन। CO-5 अपराध, दंड व सुधार का समाज के परिप्रेक्ष्य में अध्ययन।
	MA 4th Semester	CO-1 आधुनिक समाजशास्त्रीय सिद्वांत, प्रतीकात्मक अंतः क्रियावाद, फिनोमिनोलॉजी, एथनोमेथडोलॉजी, क्रिटिकल थ्योरी, उत्तर आधुनिकतावाद। CO-2 पश्चिम में समाजशास्त्र का उद्भव व विकास का अध्ययन। CO-3 भारतीय उद्योग में मानवीय संबंध, श्रम संघ व भूःमंडलीयकरण का समाज पर प्रभाव तथा अंतर्राष्ट्रीय उद्योग संगठन का अध्ययन। CO-4 अपराध को रोकने में परिवार, शिक्षा, नैतिकता व समाजिकरण की भूमिका का अध्ययन।

Sociology	BA 1st year	CO-1 समाज में परिवर्तनों के कारण व प्रभावों का ज्ञान। CO-2 व्यवहारिक समाजशास्त्र के माध्यम से ग्रामीण पुननिर्माण, जनजातीय कल्याण, सामाजिक समस्याओं के निराकरण में सहायक। CO-3 समाजशास्त्रीय विषयों पर अनुसंधान का मार्ग प्रशस्त होना।
	BA 2nd year	CO-1 प्राचीन भारतीय समाज के वर्ण व्यवस्था आश्रम व्यवस्था, कर्म व धर्म सिद्वांत के द्वारा वर्तमान भारतीय समाज का तुलनात्मक अध्ययन संभव हो पाया। CO-2 जनजातियों, दलित वर्ग, अल्पसंख्यक व महिलाओं की प्रस्थिति में सुधार के प्रयास व कार्यक्रमों का मूल्यांकन। CO-3 आधुनिक समाज के प्रमुख अपराध जैसे श्वेतवसन अपराध, संगठित अपराध का अध्ययन। CO-4 दंड की अवधारणा तथा आधुनिक सुधारात्मक संस्थाओं जैसे पेरोल, बाल न्यायालय, किशोर गृह से संबंधित अध्ययन।
	BA 3rd year	CO-1 भारतीय जनजातीय समाज का विशद अध्ययन तथा उनकी समस्याओं व सामाजिक परिवर्तनों का विश्लेषण। CO-2 सामाजिक अनुसंधान के प्रमुख पद्वतियों की व्याख्या। CO-3 सामाजिक सांख्यिकी के अंतर्गत बिंदु रेखीय व चित्रमय प्रदर्शन, माध्य, माध्यिका, बहुलक, सहसंबंध पर सार लेखन।

Program Outcome: Commerce

After completing bachelor programme in Commerce, a student will be able to develop:

	1. Critical Thinking: Develop the ability to completely evaluate new ideas, research findings in evaluation to business and commerce related issues. 2. Communication Skills: Ability to communicate ideas effectively in both written and oral formats develops communicate business analysis to the static holder and clean effective and appreciate manner. 3. Team Spirit: Work collaboratively and productively in group. 4. Social Responsibility: Recognize and understand the ethical and moral responsibility of the individuals and organization in society. 5. Global Citizen: Evolve into a global citizen who understands the duties for the welfare of our society and country. 6. Managerial Skills: Ability to complete knowledge into performance makes business decision through capability to interact and motivate and understand concept, develop ideas and implement strategies. 7. Employability: Prepare students for employment in various fields like charted accountancy, company secretary, banking sector, business management etc.