



**Principal, Vijaya Raje Government. Girls Post Graduate
College, Morar, Gwalior (M.P.)**

<https://vrgcollegegwalior.org>

Telephone No. 0751-2368329

(NAAC Accredited 'B+' Grade, October-2017)

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No.

Date:

Declaration

Matrix- 2.6.1

I declare that pictures, data, reports and other information enclosed in the criterion are authentic to the best of my knowledge.

Criterion Incharge

Dr. Ratan Sinha

IQAC
CO-ORDINATOR
Vijaya Raje Govt Girls PG College
Morar-Gwl





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CRITERIA :II

Teaching, Learning and Evaluation

Metric	List of the documents collected with year	PAGE NO.
2.6.1	Document Enclosed- <ol style="list-style-type: none">1. Document related to all pos& cos.2. Document related to all cos.3. Document related to all Po, PSO and Co	1-14 01-22 01-170

Programme Outcome (Pos)	
Programme	Outcome
B. Com	<p>The institution provides Bachelor degree in commerce with economics and commerce with computer science</p> <ol style="list-style-type: none"> 1. Business Knowledge: Graduates will acquire a comprehensive understanding of key business disciplines, including accounting, finance, marketing, management, economics, and business law. They will develop a solid foundation of business principles, concepts, and practices. 2. Analytical and Critical Thinking Skills: BCom graduates will develop strong analytical and critical thinking skills, enabling them to evaluate business problems, analyze data, and make informed decisions. They will learn to apply business theories and frameworks to real-world situations and propose effective solutions. 3. Quantitative and Numerical Skills: BCom programs often emphasize quantitative and numerical skills. Graduates will gain proficiency in financial analysis, data interpretation, statistical analysis, and other quantitative methods relevant to business decision-making. 4. Communication Skills: Effective communication is essential in the business world. BCom graduates will develop strong written and oral communication skills, enabling them to convey ideas, present information, and negotiate effectively. They will be able to communicate with diverse stakeholders, including colleagues, clients, and customers. 5. Problem-Solving and Decision-Making: Students will develop problem-solving and decision-making skills, allowing them to identify business challenges, analyze alternatives, and implement effective solutions. They will learn to consider ethical implications, evaluate risks, and weigh various factors in making informed business decisions. 6. Business Ethics and Social Responsibility: B. Com programs emphasize ethical and responsible business practices. Graduates will understand the importance of ethical conduct,

	<p>corporate social responsibility, and sustainability in business operations. They will demonstrate ethical decision-making and understand the social impact of business activities.</p> <p>7. Teamwork and Leadership: B.Com graduates will acquire strong teamwork and leadership skills. They will learn to collaborate effectively in team settings, contribute to group dynamics, and leverage diverse perspectives. They will also develop leadership qualities, such as the ability to motivate others, manage projects, and drive organizational success.</p> <p>8. Technology and Digital Literacy: B. Com programs incorporate technology and digital literacy skills. Graduates will be proficient in using business software, data analysis tools, and digital platforms. They will understand the impact of technology on business operations and be prepared to adapt to technological advancements.</p> <p>9. Global Perspective: B.Com programs often emphasize the global dimension of business. Graduates will gain an understanding of global markets, international business practices, and the cultural and economic diversity of the global business environment. They will be able to navigate global challenges and opportunities.</p> <p>These program outcomes aim to equip B. Com graduates with the knowledge, skills, and mindset necessary for careers in various business sectors, such as finance, accounting, marketing, human resources, consulting, entrepreneurship, and more. Additionally, the B. Com degree can serve as a foundation for further education, such as pursuing a Master's in Business Administration (MBA) or other advanced business degrees.</p>
<p>B.A.</p>	<p>Bachelor of Arts is one of the most demanding undergraduate programmes in Arts. The institution provides the following subjects under this programme –</p> <p>Hindi, English, Economics, Political Science, Psychology, Sociology, History, Sanskrit, Geography, Drawing and painting, Vocal Music, Instrumental Music, Dance and Home</p>

Science

A general overview of the program outcomes associated with a B.A. degree

1. Discipline-Specific Knowledge: Graduates will acquire a solid foundation of knowledge in their chosen discipline, such as literature, history, sociology, psychology, economics, political science, or any other field within the humanities or social sciences. They will have a comprehensive understanding of key concepts, theories, methodologies, and historical developments relevant to their discipline.

2. Critical Thinking and Analysis: Students will develop critical thinking skills, enabling them to analyze, evaluate, and interpret information, arguments, and texts. They will learn to think critically, question assumptions, and form well-reasoned opinions and perspectives.

3. Communication Skills: B.A. graduates will possess strong written and oral communication skills. They will be able to express their ideas clearly, effectively, and persuasively through various mediums, such as essays, research papers, presentations, and discussions.

4. Research and Information Literacy: Students will acquire research skills, including the ability to locate, evaluate, and utilize information from various sources. They will learn to conduct independent research, synthesize information, and properly cite and reference their sources.

5. Cultural and Global Awareness: B.A. programs often emphasize cultural and global perspectives. Graduates will develop an appreciation for diverse cultures, societies, and perspectives, enhancing their intercultural competency and understanding of global issues.

6. Ethical and Social Responsibility: B.A. graduates will be aware of ethical considerations in their discipline and demonstrate a sense of social responsibility. They will apply ethical principles and engage in responsible citizenship, considering the social and ethical implications of their actions and decisions.

	<p>7. Collaboration and Interdisciplinary Skills: Students may have opportunities to work collaboratively with peers from different disciplines, fostering interdisciplinary thinking and teamwork skills. They will learn to integrate knowledge and perspectives from various disciplines to solve complex problems.</p> <p>8. Lifelong Learning: B.A. programs promote a lifelong learning mindset. Graduates will be equipped with the skills and motivation to continue learning and adapting to new ideas, developments, and challenges in their field and beyond.</p> <p>These program outcomes aim to provide B.A. graduates with a well-rounded education, preparing them for a wide range of careers or further studies in fields such as academia, research, government, non-profit organizations, media, communications, cultural institutions, business, and more.</p>
<p>B.Sc.</p>	<p>The institution is having the following disciplines in B.Sc programmes Physics, Chemistry, Mathematics, Botany, Zoology, Biotechnology, Microbiology and Computer Science</p> <p>1. Discipline-Specific Knowledge: Graduates will acquire a solid foundation of knowledge in their chosen scientific discipline such as biology, chemistry, physics, mathematics, computer science, environmental science, or any other field within the natural sciences. They will have a comprehensive understanding of key concepts, theories, methodologies, and practical applications relevant to their discipline.</p> <p>2. Scientific Inquiry and Critical Thinking: BSc graduates will develop scientific inquiry skills, enabling them to ask research questions, design experiments, and analyze data. They will learn to think critically, evaluate evidence, and draw valid conclusions based on scientific principles and methods.</p> <p>3. Laboratory and Technical Skills: Students will gain practical laboratory skills, including experimental techniques, data collection, and analysis. They will become proficient in using scientific equipment, software, and technology relevant to their field.</p>

4. Quantitative and Analytical Skills: BSc programs often emphasize quantitative and analytical skills. Graduates will have a strong foundation in mathematics, statistics, and data analysis, enabling them to apply mathematical and statistical methods to solve scientific problems and interpret research findings.

5. Research and Scientific Communication: Students will develop research skills, including the ability to conduct independent research, analyze scientific literature, and communicate research findings effectively. They will learn to write scientific reports, present their work at conferences, and effectively communicate scientific concepts to both technical and non-technical audiences.

6. Problem-Solving and Experimental Design: BSc graduates will gain problem-solving skills, allowing them to identify scientific problems, design experiments, and develop appropriate methodologies. They will learn to critically evaluate experimental design, troubleshoot issues, and modify approaches as necessary.

7. Ethical and Professional Conduct: BSc programs typically promote ethical conduct in scientific research and practice. Graduates will understand the importance of scientific integrity, responsible conduct of research, and ethical considerations in their field. They will adhere to professional standards and ethical guidelines.

8. Collaboration and Interdisciplinary Skills: Students may have opportunities to work collaboratively with peers from different scientific disciplines, fostering interdisciplinary thinking and teamwork skills. They will learn to integrate knowledge and perspectives from various disciplines to solve complex scientific problems.

9. Lifelong Learning and Adaptability: B.Sc. programs encourage a lifelong learning mindset. Graduates will be equipped with the skills and motivation to continue learning, keep up with advancements in their field, and adapt to new technologies and methodologies.

These program outcomes aim to provide B.Sc. graduates with a strong scientific foundation, preparing them for various careers in research, industry, healthcare, education, government,

	<p>environmental organizations, and more. The specific outcomes will vary depending on the discipline and specialization within the B.Sc. program.</p>
<p>B.H.Sc.</p>	<p>B.H.Sc. is one of the most important and demanding U.G. programme in this college as it is a girls college. Here are some general programme outcome that are associated with B.H.Sc</p> <ol style="list-style-type: none"> 1. Health Sciences Knowledge: Graduates will acquire a broad understanding of health sciences, including foundational concepts, theories, and principles related to human health, anatomy, physiology, disease, healthcare systems, public health, and health promotion. 2. Interdisciplinary Perspective: B.HSc programs often adopt an interdisciplinary approach, combining knowledge from various health-related disciplines such as biology, chemistry, psychology, sociology, epidemiology, and nutrition. Graduates will develop an appreciation for the interconnectedness of different aspects of health and gain the ability to apply interdisciplinary approaches to address health challenges. 3. Research Skills: Students will develop research skills, including the ability to critically analyze scientific literature, design research studies, collect and analyze data, and draw evidence-based conclusions. They will also become familiar with research ethics and methods commonly used in health sciences research. 4. Communication and Collaboration: B.H.Sc graduates will develop effective communication skills, both written and verbal, allowing them to convey complex health-related information to diverse audiences. They will also acquire teamwork and collaboration skills necessary for working in multidisciplinary healthcare settings. 5. Health Promotion and Education: Graduates will have a strong understanding of health promotion strategies and the importance of education in improving public health. They will develop skills to design and implement health education programs and initiatives aimed at promoting healthy behaviors and preventing diseases.

	<p>6. Ethical and Professional Conduct: B.HSc programs emphasize the importance of ethical and professional behavior in healthcare practice. Graduates will be familiar with ethical guidelines, privacy laws, and professional standards relevant to their field. They will demonstrate integrity, respect for patient autonomy, and an understanding of the social and cultural contexts of healthcare.</p> <p>7. Critical Thinking and Problem-Solving: Students will develop critical thinking skills, enabling them to analyze complex health-related issues, evaluate evidence, and propose innovative solutions to improve health outcomes. They will also gain problem-solving skills to address challenges in healthcare practice and policy.</p> <p>8. Health Systems and Policies: B.HSc graduates will have a broad understanding of healthcare systems, policies, and healthcare delivery models. They will be aware of current trends, challenges, and inequalities in healthcare and will be able to critically evaluate healthcare policies and advocate for improvements in healthcare access and quality.</p> <p>These program outcomes aim to prepare B.HSc graduates for various careers in healthcare, public health, community health, health promotion, research, healthcare administration, and other related fields. Additionally, the B.H.Sc degree can serve as a foundation for further education, such as pursuing advanced degrees in health sciences, medicine, public health, or other health-related disciplines.</p>
<p>M.A.</p>	<p>This college runs the nine most important and demanding subject under the ma Programme: Hindi, English, Political Science , Economics, Sociology, Geography, Psychology, Drawing & Painting and Dance.</p> <p>1. Advanced Knowledge and Expertise: M.A. graduates will possess in-depth knowledge and expertise in their chosen field of study. They will have a comprehensive understanding of key</p>

concepts, theories, methodologies, and advanced topics within their discipline.

2. Research Skills: M.A. programs often emphasize research skills development. Graduates will have the ability to conduct independent research, design and execute research projects, analyze data, and contribute to the scholarly knowledge in their field.

3. Critical Thinking and Analysis: Students will develop advanced critical thinking skills, enabling them to analyze complex issues, evaluate evidence, and engage in sophisticated intellectual discussions. They will be able to assess arguments, identify assumptions, and apply critical reasoning to advance their understanding of their field.

4. Communication and Writing Skills: M.A. graduates will possess advanced communication skills, both written and oral. They will be able to express complex ideas effectively and clearly, present research findings, and engage in scholarly discussions within their field. They will also demonstrate proficiency in academic writing and proper citation practices.

5. Specialization and Depth of Understanding: M.A. programs allow students to specialize within their field of study. Graduates will have developed a deep understanding of a specific area or topic within their discipline, becoming subject matter experts in that particular field.

6. Interdisciplinary Perspective: Some M.A. programs encourage interdisciplinary approaches. Graduates will be able to integrate knowledge and perspectives from multiple disciplines to address complex issues and bridge the gaps between different fields of study.

7. Ethical and Professional Conduct: M.A. programs often emphasize ethical conduct and professionalism in research and scholarship. Graduates will demonstrate a commitment to ethical research practices, academic integrity, and adherence to professional standards within their field.

8. Critical Evaluation of Scholarship: M.A. graduates will be skilled in critically evaluating existing scholarship within their field.

	<p>They will be able to analyze and interpret scholarly literature, assess the strengths and weaknesses of existing theories and arguments, and contribute to the advancement of knowledge in their discipline.</p> <p>9. Leadership and Professional Development: M.A. programs may offer opportunities for leadership development and professional growth. Graduates will possess the skills and knowledge necessary to take on leadership roles within their field, engage in professional networks, and contribute to the wider academic or professional community.</p> <p>These program outcomes aim to prepare M.A. graduates for various career paths, including academia, research, policy analysis, consulting, cultural institutions, government, non-profit organizations, and other sectors related to their field of study. Additionally, an M.A. degree can serve as a foundation for further advanced study, such as pursuing a Ph.D. or other doctoral-level degrees in their field.</p>
<p>M.Sc.</p>	<p>The College is providing the two most important courses under M.Sc. Programme : M.Sc. in Biotechnology and M.Sc. in Microbiology</p> <p>1. Advanced Knowledge and Expertise: M.Sc. graduates will possess advanced knowledge and expertise in their chosen field of study. They will have a deep understanding of key concepts, theories, methodologies, and cutting-edge research within their discipline.</p> <p>2. Research Skills: M.Sc. programs emphasize research skills development. Graduates will have the ability to conduct independent research, design and execute research projects, collect and analyze data using advanced techniques and methodologies, and contribute to the advancement of knowledge in their field.</p> <p>3. Critical Thinking and Problem-Solving: Students will develop advanced critical thinking skills, enabling them to analyze complex problems, evaluate evidence, and generate innovative solutions. They will be able to apply critical reasoning and scientific</p>

methodologies to address research questions and practical challenges in their field.

4. Technical Proficiency: M.Sc. graduates will possess advanced technical skills relevant to their field of study. These skills may include laboratory techniques, data analysis software, programming languages, modeling tools, or any other specialized skills necessary for research and analysis in their discipline.

5. Communication and Presentation Skills: M.Sc. graduates will demonstrate effective communication skills, both written and oral. They will be able to communicate complex scientific ideas and research findings to both technical and non-technical audiences. They will also possess strong presentation skills to effectively convey their research in conferences or academic settings.

6. Interdisciplinary Perspective: Some M.Sc. programs encourage interdisciplinary approaches. Graduates will be able to integrate knowledge and perspectives from multiple disciplines to tackle complex scientific problems, fostering collaboration and innovation across different fields.

7. Ethical Conduct and Research Integrity: M.Sc. programs emphasize ethical conduct and research integrity. Graduates will demonstrate a strong commitment to ethical research practices, responsible conduct of research, and adherence to professional and ethical standards within their field.

8. Data Analysis and Interpretation: M.Sc. graduates will possess advanced skills in data analysis and interpretation. They will be proficient in using statistical software, modeling techniques, and other data analysis tools to draw meaningful conclusions from complex datasets.

9. Leadership and Professional Development: M.Sc. programs often provide opportunities for leadership development and professional growth. Graduates will possess the skills necessary to take on leadership roles within academia, industry, or research institutions. They will also be equipped with the ability to engage in professional networks and contribute to the advancement of their field.

	<p>These program outcomes aim to prepare M.Sc. graduates for various career paths, including research and development, academia, industry, consulting, government, healthcare, and other sectors related to their field of study. Additionally, an M.Sc. degree can serve as a foundation for further advanced study, such as pursuing a Ph.D. or other doctoral-level degrees in their field.</p>
<p>B. Lib. Sic.</p>	<p>The Bachelor of Library Science (B.Lib.Sc.) degree is designed to provide students with a strong foundation in library and information science. Here are some common program outcomes associated with a B.Lib.Sc. degree:</p> <ol style="list-style-type: none"> 1. Knowledge of Library Science: Graduates will possess a comprehensive understanding of the principles, theories, and practices of library and information science. They will be familiar with the organization and management of libraries, cataloging and classification systems, reference services, collection development, information retrieval, and other key areas of library science. 2. Information Literacy: B.Lib.Sc. programs emphasize the development of information literacy skills. Graduates will be able to locate, evaluate, and effectively use information from various sources, both print and digital. They will understand the ethical and legal aspects of information access and use. 3. Cataloging and Classification: Students will acquire skills in cataloging and classification systems used in libraries. They will be able to organize and describe library materials using appropriate standards and tools, facilitating efficient access to information for library users. 4. Library Management: Graduates will gain knowledge of library management principles and practices. They will understand the administrative and financial aspects of library operations, including budgeting, personnel management, collection management, and strategic planning. 5. Information Technology Skills: B.Lib.Sc. programs incorporate training in information technology skills relevant to libraries. Graduates will be proficient in using library management systems, digital libraries, online databases, and other technologies

	<p>commonly used in library settings.</p> <p>6. Reference and Information Services: Students will develop skills in providing reference and information services to library users. They will be able to assist patrons in locating and accessing relevant information, conduct research, and utilize various reference tools and resources.</p> <p>7. Communication and Interpersonal Skills: B.Lib.Sc. graduates will possess strong communication and interpersonal skills. They will be able to effectively communicate with library users, colleagues, and other stakeholders. They will also demonstrate excellent customer service skills and the ability to work collaboratively in a library environment.</p> <p>8. Research and Critical Thinking: B.Lib.Sc. programs often emphasize research skills and critical thinking. Graduates will be able to conduct research on library-related topics, critically evaluate information sources, and contribute to the advancement of library science through scholarly inquiry.</p> <p>9. Professional Ethics: B.Lib.Sc. programs emphasize ethical conduct in library practice. Graduates will understand the ethical responsibilities of librarianship, including issues related to intellectual freedom, privacy, and confidentiality. They will adhere to professional standards and codes of ethics within the library profession.</p> <p>These program outcomes aim to prepare B.Lib.Sc. graduates for careers as librarians, information specialists, knowledge managers, research associates, and other roles in libraries, educational institutions, government agencies, corporations, and information centers. Additionally, the B.Lib.Sc. degree can serve as a foundation for further advanced study, such as pursuing a Master's in Library Science or Information Science.</p>
<p>M.Com</p>	<p>The Master of Commerce (M.Com) degree is designed to provide students with advanced knowledge and skills in the field of commerce and business. Here are some common program outcomes associated with an M.Com degree:</p>

1. Advanced Business Knowledge: M.Com graduates will possess a deep understanding of various business disciplines, including accounting, finance, marketing, management, economics, and business law. They will have a comprehensive knowledge of advanced concepts, theories, and practices within these areas.

2. Analytical and Critical Thinking Skills: M.Com programs emphasize the development of analytical and critical thinking skills. Graduates will be able to analyze complex business problems, evaluate data, apply relevant theories and frameworks, and make informed decisions to solve business challenges.

3. Financial Analysis and Management: Students will gain advanced skills in financial analysis, financial planning, and financial management. They will be proficient in analyzing financial statements, conducting financial research, assessing investment opportunities, and managing financial resources effectively.

4. Strategic Management: M. Com programs often include courses on strategic management. Graduates will have the ability to develop and implement strategic plans, evaluate competitive environments, identify growth opportunities, and make strategic decisions to enhance organizational performance.

5. Research and Data Analysis: M. Com graduates will be equipped with research skills, including the ability to conduct independent research, design research projects, collect and analyze data, and draw meaningful conclusions. They will be able to apply research methods and statistical techniques relevant to business and commerce.

6. Communication and Presentation Skills: M. Com graduates will possess strong communication skills, both written and oral. They will be able to effectively communicate complex business concepts and ideas, present research findings, and engage in professional discussions within the business community.

7. Ethical and Professional Conduct: M. Com programs emphasize ethical behavior and professionalism in business practice. Graduates will understand the ethical implications of business decisions, demonstrate integrity, and adhere to professional codes of conduct and business ethics.

8. International Business and Global Perspective: M. Com programs often cover topics related to international business and globalization. Graduates will have a global perspective, understanding the challenges and opportunities of conducting business in an international context. They will be aware of cultural, political, and economic factors influencing international business decisions.

9. Leadership and Teamwork: M.Com graduates will possess leadership and teamwork skills necessary for managerial roles. They will be able to lead teams, collaborate effectively, manage projects, and motivate others towards achieving organizational goals.

These program outcomes aim to prepare M. Com graduates for careers in various sectors, including finance, accounting, marketing, consulting, entrepreneurship, and general management. Additionally, the M. Com degree can serve as a foundation for further advanced study, such as pursuing a Ph.D. in Commerce or Business Administration.

Course Outcome (COs)	
Course	Outcome
Sanskrit	<ol style="list-style-type: none"> 1. At the graduation level in Sanskrit, students develop a comprehensive understanding of the Sanskrit language, its grammar, literature, and cultural heritage. They acquire proficiency in reading, writing, speaking, and understanding Sanskrit texts, including classical works, scriptures, and philosophical treatises. 2. Graduates gain knowledge of major Sanskrit texts, authors, and literary traditions, enabling them to critically analyze and interpret ancient Indian literature. 3. They also develop an appreciation for the rich cultural and philosophical traditions associated with Sanskrit. Students enhance their research skills, enabling them to delve into original Sanskrit sources and contribute to the field of Sanskrit studies. 4. Graduates of Sanskrit possess valuable skills for careers in academia, research, translation, archaeology, heritage preservation, cultural studies, and various fields that require expertise in Sanskrit language, literature, and ancient Indian wisdom.
Drawing & Painting	<ol style="list-style-type: none"> 1. At the graduation level in Drawing and Painting, students develop a comprehensive understanding of various artistic techniques, concepts, and aesthetics.

	<ol style="list-style-type: none"> 2. They acquire proficiency in drawing, painting, and other forms of visual expression, both traditional and contemporary. 3. Graduates gain knowledge of art history, artistic movements, and the cultural contexts that shape artistic practices. 4. They also develop critical thinking and visual analysis skills, enabling them to interpret and evaluate artworks. Students enhance their creativity and artistic vision, allowing them to conceptualize and execute original artworks. 5. Graduates of Drawing and Painting possess valuable skills for careers in fine arts, illustration, graphic design, animation, art education, art therapy, art curation, and various fields that require artistic expertise and visual communication. 6. They also cultivate a lifelong appreciation for the arts and contribute to the cultural enrichment of society through their creative endeavors.
Sitar	<ol style="list-style-type: none"> 1. At the graduation level in Sitar, students develop a comprehensive understanding of the classical Indian music tradition and mastery of the sitar instrument. 2. They acquire proficiency in playing the sitar, including technical skills,

	<p>intricate melodies, and rhythmic patterns.</p> <ol style="list-style-type: none"> 3. Graduates gain knowledge of different ragas (melodic frameworks) and talas (rhythmic cycles), enabling them to perform solo and collaborate with other musicians. 4. They also develop an appreciation for the aesthetics and emotive qualities of Indian classical music. 5. Students enhance their improvisation skills and develop a unique musical voice on the sitar. 6. Graduates of Sitar possess valuable skills for careers as professional musicians, music teachers, performers in traditional and fusion ensembles, and cultural ambassadors promoting the rich heritage of Indian classical music.
<p style="text-align: center;">Vocal Music</p>	<ol style="list-style-type: none"> 1. At the graduation level in Vocal Music, students develop a comprehensive understanding of the diverse traditions and techniques of vocal music. 2. They acquire proficiency in singing, including breath control, vocal range, tonal accuracy, and expressive delivery. 3. Graduates gain knowledge of different genres of vocal music such as classical, folk, devotional, and contemporary styles, enabling them to explore a wide repertoire.

	<ol style="list-style-type: none"> 4. They also develop an understanding of musical theory, including scales, rhythms, and melodic structures, allowing them to interpret and perform compositions with nuance and sensitivity. 5. Students enhance their improvisation skills, enabling them to add personal creativity and expression to their performances. 6. Graduates of Vocal Music possess valuable skills for careers as professional singers, music teachers, performers in concerts and recitals, recording artists, and music therapists. 7. They also contribute to preserving and promoting cultural heritage through their mastery of vocal traditions and their ability to touch and inspire audiences with their emotive and resonant voices.
<p>Dance</p>	<ol style="list-style-type: none"> 1. At the graduation level in Dance, students develop a comprehensive understanding of the art form, its various styles, techniques, and cultural significance. 2. They acquire proficiency in dance movements, body control, coordination, rhythm, and expression. 3. Graduates gain knowledge of different dance genres such as classical, contemporary, folk, and ethnic styles, enabling them to explore a wide range of movement vocabularies.

	<ol style="list-style-type: none"> 4. They also develop an understanding of dance theory, history, and choreography, allowing them to create original dance compositions. Students enhance their performance skills, stage presence, and improvisation abilities. 5. Graduates of Dance possess valuable skills for careers as professional dancers, choreographers, dance educators, dance therapists, artistic directors, and cultural ambassadors. 6. They contribute to the cultural landscape by sharing their artistic vision, communicating narratives through movement, and inspiring audiences with their creativity, grace, and powerful performances. 7. Moreover, they play a vital role in preserving and promoting the rich heritage of dance and its diverse cultural expressions.
<p style="text-align: center;">Mathematics</p>	<ol style="list-style-type: none"> 1. At the graduation level in Mathematics, students develop a comprehensive understanding of mathematical principles, theories, and applications. 2. They acquire proficiency in mathematical reasoning, problem-solving, and critical thinking. Graduates gain knowledge of various branches of mathematics, including calculus, algebra, geometry, probability, and statistics, enabling them to analyze and solve complex mathematical problems. 3. They also develop strong quantitative and analytical skills, allowing them to apply mathematical concepts to real-

	<p>world scenarios in fields such as finance, engineering, computer science, and economics.</p> <ol style="list-style-type: none"> 4. Students enhance their ability to construct rigorous mathematical proofs and to communicate mathematical ideas effectively. 5. Graduates of Mathematics possess valuable skills for careers as mathematicians, statisticians, data analysts, actuaries, researchers, educators, and professionals in diverse industries that require quantitative expertise and logical reasoning. 6. They also contribute to advancements in science, technology, and society by utilizing the power of mathematics to model, predict, and solve intricate problems.
<p style="text-align: center;">Botany</p>	<ol style="list-style-type: none"> 1. At the graduation level in Botany, students develop a comprehensive understanding of plant biology and its diverse aspects. 2. They acquire knowledge of plant anatomy, physiology, taxonomy, ecology, and genetics. Graduates gain proficiency in plant identification, laboratory techniques, and fieldwork, enabling them to conduct research and study plant diversity and ecosystems. 3. They also develop skills in plant propagation, cultivation, and conservation. Students enhance their critical thinking and analytical skills,

	<p>enabling them to analyze and interpret complex plant-related phenomena.</p> <ol style="list-style-type: none"> 4. Graduates of Botany possess valuable skills for careers in agriculture, horticulture, forestry, environmental conservation, biotechnology, pharmaceuticals, research, and education. 5. They contribute to the understanding and preservation of plant life, addressing environmental challenges, developing sustainable practices, and making significant contributions to scientific advancements and the well-being of ecosystems.
<p style="text-align: center;">Zoology</p>	<ol style="list-style-type: none"> 1. At the graduation level in Zoology, students develop a comprehensive understanding of animal biology and its various disciplines. 2. They acquire knowledge of animal anatomy, physiology, taxonomy, ecology, behavior, and evolution. Graduates gain proficiency in laboratory techniques, fieldwork, and data analysis, enabling them to conduct research and study animal diversity and ecosystems. 3. They also develop skills in animal conservation, animal husbandry, and ethical considerations in animal research. 4. Students enhance their critical thinking and analytical skills, enabling them to

	<p>analyze and interpret complex animal-related phenomena.</p> <ol style="list-style-type: none"> 5. Graduates of Zoology possess valuable skills for careers in wildlife conservation, veterinary sciences, pharmaceuticals, biotechnology, research, education, and environmental consulting. 6. They contribute to the understanding and preservation of animal life, addressing conservation challenges, studying animal behaviour, investigating animal health, and making significant contributions to scientific advancements and the well-being of animal species and ecosystems.
<p style="text-align: center;">Chemistry</p>	<ol style="list-style-type: none"> 1. At the graduation level in Chemistry, students develop a comprehensive understanding of the principles, theories, and applications of chemistry. 2. They acquire knowledge of various branches of chemistry, including organic, inorganic, physical, analytical, and biochemistry. 3. Graduates gain proficiency in laboratory techniques, instrumental analysis, and data interpretation, enabling them to conduct experiments and analyze chemical compounds. 4. They also develop skills in chemical synthesis, molecular modeling, and spectroscopic methods.

	<ol style="list-style-type: none"> 5. Students enhance their critical thinking and problem-solving abilities, enabling them to tackle complex chemical problems and design experiments. 6. Graduates of Chemistry possess valuable skills for careers in pharmaceuticals, materials science, environmental science, forensic science, research, education, and various industries. 7. They contribute to advancements in scientific research, develop new technologies, analyze and develop solutions to environmental challenges, and make significant contributions to society's understanding of the composition, properties, and transformations of matter.
<p style="text-align: center;">Microbiology</p>	<ol style="list-style-type: none"> 1. At the graduation level in Microbiology, students develop a comprehensive understanding of microorganisms, their structure, physiology, genetics, and ecological roles. They acquire knowledge of microbial diversity, microbial interactions, and the impact of microorganisms on human health and the environment. 2. Graduates gain proficiency in laboratory techniques, including culturing, identification, and manipulation of microorganisms. They also develop skills in microbial research, data analysis, and experimental design.

	<ol style="list-style-type: none"> 3. Students enhance their understanding of infectious diseases, immunology, and biotechnology applications of microorganisms. 4. Graduates of Microbiology possess valuable skills for careers in healthcare, pharmaceuticals, food and beverage industry, environmental monitoring, research, and academia. 5. They contribute to the understanding and prevention of infectious diseases, develop strategies for microbial control, investigate antimicrobial resistance, and advance biotechnological applications. 6. They play a crucial role in public health, agriculture, and biomedicine by studying microorganisms and utilizing their knowledge to improve human welfare and address global challenges related to microbial pathogens and the sustainable use of microorganisms.
<p style="text-align: center;">Biotechnology</p>	<ol style="list-style-type: none"> 1. At the graduation level in Biotechnology, students develop a comprehensive understanding of the principles, techniques, and applications of biotechnology. They acquire knowledge of molecular biology, genetics, biochemistry, microbiology, and other related disciplines. 2. Graduates gain proficiency in laboratory techniques such as DNA manipulation, protein purification, gene expression analysis, and cell culture. They also develop skills in bioinformatics, bioprocessing, and biostatistics.

	<ol style="list-style-type: none"> 3. Students learn about the ethical, legal, and societal implications of biotechnology. Graduates of Biotechnology possess valuable skills for careers in pharmaceuticals, healthcare, agriculture, environmental science, research, and industry. 4. They contribute to the development of novel drugs, vaccines, and diagnostic tools, genetically modified crops, sustainable agriculture practices, and environmental bioremediation. 5. They also play a pivotal role in advancing personalized medicine, regenerative medicine, and synthetic biology. 6. Graduates are equipped to work in biotechnology companies, research institutions, government agencies, and contribute to innovative solutions for pressing global challenges in healthcare, food security, energy, and sustainability. 7. They actively engage in research and development, technology transfer, and the responsible application of biotechnology for the betterment of society.
<p style="text-align: center;">Computer Science</p>	<ol style="list-style-type: none"> 1. At the graduation level in Computer Science, students develop a comprehensive understanding of computer systems, algorithms, programming languages, and software development methodologies. They acquire knowledge of data structures, operating systems, computer networks, databases, and artificial intelligence.

	<ol style="list-style-type: none"> 2. Graduates gain proficiency in designing and implementing complex software solutions, coding in multiple programming languages, and analyzing algorithms and computational problems. They also develop skills in software testing, debugging, and project management. 3. Students enhance their problem-solving abilities, logical reasoning, and critical thinking skills. 4. Graduates of Computer Science possess valuable skills for careers in software development, data analysis, cyber security, artificial intelligence, web development, and various technology-driven industries. 5. They contribute to the advancement of technology by developing innovative software applications, improving system efficiency, solving computational challenges, and pushing the boundaries of technology. 6. They also play a vital role in designing and maintaining secure and robust computer systems that drive the digital age.
<p style="text-align: center;">Home Science</p>	<ol style="list-style-type: none"> 1. At the graduation level in Home Science, students develop a comprehensive understanding of various aspects related to home management, nutrition, family dynamics, and child development. They acquire knowledge of nutrition and its impact on health, food science,

	<p>textile and clothing, human development, interior design, and resource management.</p> <ol style="list-style-type: none"> 2. Graduates gain proficiency in planning and preparing balanced meals, managing household resources efficiently, and creating a healthy and sustainable home environment. 3. They also develop skills in child care, family counselling, and designing functional and aesthetically pleasing living spaces. 4. Students enhance their research abilities, enabling them to explore and contribute to the field of Home Science. 5. Graduates of Home Science possess valuable skills for careers in nutrition and dietetics, family counseling, interior design, textile and apparel industries, event management, and education. 6. They contribute to improving the quality of life by promoting healthy eating habits, creating nurturing home environments, providing guidance on family dynamics, and educating individuals and communities on effective home management practices.
Commerce	<ol style="list-style-type: none"> 1. At the graduation level in Commerce, students develop a comprehensive understanding of various aspects related to business, finance, accounting, and economics. They

	<p>acquire knowledge of financial management, marketing principles, business law, taxation, and corporate governance.</p> <ol style="list-style-type: none"> 2. Graduates gain proficiency in financial analysis, budgeting, investment planning, and risk management. They also develop skills in business communication, strategic decision-making, and entrepreneurship. 3. Students enhance their understanding of economic theories, market dynamics, and global business trends. 4. Graduates of Commerce possess valuable skills for careers in banking, finance, accounting, consulting, entrepreneurship, and various industries. 5. They contribute to the growth and development of businesses by providing financial insights, analyzing market trends, and formulating effective business strategies. 6. They also play a crucial role in ensuring compliance with legal and regulatory frameworks, optimizing financial resources, and promoting sustainable business practices. 7. Graduates contribute to economic stability, job creation, and organizational success through their expertise in commerce-related fields.
<p>Commerce with Computer Application</p>	<ol style="list-style-type: none"> 1. At the graduation level in Commerce with Computer Science, students

	<p>develop a comprehensive understanding of both commerce and computer science disciplines, integrating the principles and practices of both fields.</p> <ol style="list-style-type: none"> 2. . They acquire knowledge of financial management, accounting principles, marketing strategies, business law, and e-commerce. Graduates gain proficiency in computer programming, database management, software development, and data analysis. 3. They also develop skills in business analytics, digital marketing, and information systems management. 4. Students enhance their understanding of how technology intersects with commerce, enabling them to leverage digital tools and platforms for business growth and optimization. 5. Graduates of Commerce with Computer Science possess valuable skills for careers in financial technology, e-commerce, data analysis, information systems management, consulting, and various technology-driven industries. 6. They contribute to the development of innovative business solutions, digital transformation initiatives, and data-driven decision-making. 7. They play a crucial role in bridging the gap between commerce and technology, driving organizational efficiency, and leveraging digital advancements to propel businesses forward in the digital age.
History	<ol style="list-style-type: none"> 1. At the graduation level in History, students develop a deep understanding of the human past, its events, and their significance.

	<ol style="list-style-type: none"> 2. They acquire critical thinking and analytical skills, enabling them to examine primary and secondary sources, interpret historical evidence, and construct well-reasoned arguments. 3. Graduates gain knowledge of diverse cultures, societies, and historical periods, fostering a global perspective. 4. They learn to analyze historical contexts, trends, and processes, and to recognize the complexities of historical narratives. 5. Students also enhance their research and writing abilities, enabling them to engage in historical inquiry and effectively communicate their findings. 6. Graduates of History possess valuable skills for careers in education, research, journalism, law, public service, and various other fields that require critical analysis and contextual understanding.
<p>Sociology</p>	<ol style="list-style-type: none"> 1. At the graduation level in Sociology, students develop a comprehensive understanding of social structures, interactions, and processes. 2. They acquire critical thinking and analytical skills to examine and interpret social phenomena from a sociological perspective. 3. Graduates gain knowledge of sociological theories and research methods, enabling them to conduct

	<p>empirical studies and analyze social issues.</p> <ol style="list-style-type: none"> 4. They also develop a deep understanding of social inequalities, including those related to gender, race, class, and more. Students enhance their ability to critically analyze social institutions, cultural practices, and social change. 5. Graduates of Sociology possess valuable skills for careers in social services, advocacy, research, policy analysis, human resources, and various fields that require a nuanced understanding of society and its complexities.
<p>Hindi</p>	<ol style="list-style-type: none"> 1. At the graduation level in Hindi, students develop a comprehensive understanding of the Hindi language, literature, and cultural heritage. 2. They acquire proficiency in reading, writing, speaking, and understanding Hindi, both in its literary and contemporary forms. 3. Graduates gain knowledge of Hindi literature, including major works, authors, and literary movements, enabling them to critically analyze and interpret literary texts. 4. They also develop an appreciation for the rich cultural traditions and historical context associated with Hindi language and literature.

	<ol style="list-style-type: none"> 5. Students enhance their creative writing skills in Hindi, enabling them to express themselves effectively. 6. Graduates of Hindi possess valuable skills for careers in journalism, translation, publishing, education, content writing, and various fields that require expertise in Hindi language and literature.
<p style="text-align: center;">English</p>	<ol style="list-style-type: none"> 1. At the graduation level in English, students develop a comprehensive understanding of the English language, literature, and its cultural significance. 2. They acquire advanced skills in reading, writing, speaking, and analyzing English texts, both literary and non- literary. 3. Graduates gain knowledge of major works, authors, and literary movements in English literature, enabling them to critically interpret and evaluate literary texts. 4. They also develop strong communication and writing skills, allowing them to articulate ideas effectively in written and oral forms. 5. Students enhance their research abilities, enabling them to conduct in-depth analysis and produce scholarly work. 6. Graduates of English possess valuable skills for careers in writing, editing,

	journalism, publishing, teaching, research, and various fields that require proficiency in the English language and a nuanced understanding of literature and culture.
Psychology	<ol style="list-style-type: none"> 1. At the graduation level in Psychology, students develop a comprehensive understanding of the human mind, behavior, and mental processes. 2. They acquire knowledge of various psychological theories, research methods, and statistical analysis, enabling them to critically evaluate and interpret psychological research. 3. Graduates gain proficiency in assessing and diagnosing psychological disorders, and they develop skills in designing and conducting empirical studies. 4. They also enhance their ability to analyze and interpret data, and to communicate psychological concepts effectively. 5. Students develop empathy, active listening, and interpersonal skills, enabling them to work effectively with individuals and groups. 6. Graduates of Psychology possess valuable skills for careers in counselling, clinical psychology, research, human resources, social work, education, and various fields that require an understanding of human behavior and mental processes.
Geography	<ol style="list-style-type: none"> 1. At the graduation level in Geography, students develop a comprehensive

	<p>understanding of the Earth's physical and human landscapes.</p> <ol style="list-style-type: none"> 2. They acquire knowledge of geographic principles, theories, and analytical tools to study and interpret spatial patterns and processes. 3. Graduates gain proficiency in spatial data analysis, mapping, and Geographic Information Systems (GIS), enabling them to analyze and visualize geographical information effectively. 4. They also develop a deep understanding of environmental issues, natural resource management, and the impact of human activities on the environment. 5. Students enhance their research and fieldwork skills, allowing them to investigate geographic phenomena and contribute to solving real-world problems. 6. Graduates of Geography possess valuable skills for careers in urban planning, environmental management, cartography, remote sensing, tourism, consulting, and various other fields that require a spatial perspective and an understanding of human-environment interactions.
<p>Political Science</p>	<ol style="list-style-type: none"> 1. At the graduation level in Political Science, students acquire a comprehensive understanding of political systems, institutions, and processes.

	<ol style="list-style-type: none"> 2. They develop critical thinking and analytical skills to evaluate political theories, ideologies, and policies. 3. Graduates gain knowledge of international relations, comparative politics, and public administration, enabling them to assess and analyze global political dynamics. 4. They also develop strong research and writing skills, allowing them to conduct in-depth studies and effectively communicate their findings. 5. Graduates of Political Science possess the ability to analyze and interpret complex political issues, participate in public discourse, engage in policy analysis, and pursue careers in government, diplomacy, advocacy, journalism, research, and various other fields.
<p style="text-align: center;">Economics</p>	<ol style="list-style-type: none"> 1. At the graduation level in Economics, students gain a comprehensive understanding of economic theories, principles, and analytical tools. 2. They develop strong critical thinking and problem-solving skills, enabling them to analyze and interpret complex economic phenomena. 3. Graduates acquire the ability to apply economic concepts to real-world scenarios, evaluating policy implications and making informed decisions.

	<ol style="list-style-type: none">4. They become proficient in quantitative methods and data analysis, allowing them to conduct empirical research and make evidence-based arguments.5. Additionally, students develop effective communication skills, both written and oral, enabling them to convey economic concepts and findings to diverse audiences.6. Overall, graduates of Economics possess a solid foundation to pursue careers in finance, consulting, government, research, and various other sectors.
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PO, PSO and CO of Bachelor of Arts

B.A. History

Programme outcome and Course Outcome

Programme Outcome

- Bachelor of Arts help students to get: -
- Graduates will acquire a solid foundation of knowledge in their chosen Discipline.
 - They develop a comprehensive understanding of key concepts, theories, historical development in their discipline.
 - Develop Critical thinking skills, enabling them to analyse, evaluate and interpret informations and texts.
 - Acquire a strong written and oral communication skills.

Programme specific Outcome

1. Develop Knowledge about the society, culture, religion, political history of the world and India as well
2. Students develop to analyze the various stages of evolution and development of men in prehistoric, protohistoric and historic age.
3. Acquire depth Knowledge about ancient civilization of India.

COURSE OUTCOME OF HISTORY

Course Title-FIRST PAPER- IDEA OF BHARAT- MAJOR

Course Code-A1-HIST-1T

Students will acquire knowledge regarding the primitive life and cultural status of the people of ancient India. They can gather knowledge about the society, cultural, religion and political history of ancient India.

Course Title-HISTORY OF ANCIENT INDIA- SECOND PAPER

Course Code- A1-HIST-2T

The students will learn to analyze the various stages of evolution and development of man in the Prehistoric. Proto historic and Historic Age. To have an in-depth knowledge about ancient civilizations of India like Indus-Saraswati Civilization, Vedic Civilization, Later Vedic Civilization etc. and compare them with the other Contemporary Civilizations of the world.

Course Title-HISTORY OF ANCIENT INDIA- MINOR/ELECTIVE

Course Code- A1-HIST-2T

The students will learn to analyze the various stages of evolution and development of man in the Prehistoric. Proto historic and Historic Age. To have an in depth knowledge about ancient civilizations of India like Indus-Saraswati Civilization, Vedic Civilization, Later Vedic Civilizaion etc. and compare them with the other Contemporary Civilizations of the world.

BA SECOND YEAR

Course Title-HISTORY OF MEDIEVAL INDIA- MAJOR- FIRST PAPER

Course Code - A2-HIST-1T

Students will acquire knowledge regarding the Present clear cut ideas about the consolidation of Delhi Sultanate and contemporary Indian rulers. Debate and Discussion of the region Akbar and conflicts and struggles with the Rajputs and Marathas.

Course Title-HISTORY OF MODERN INDIA - SECOND PAPER

Course Code– A2-HIST-2T

Students will acquire knowledge regarding the colonial administration with all its salient features and the relations between the British and the

Indian states. They will have a clear view of the political condition and major events during the last phase British rule in India. They will be able to understand the role of women in the National Movement and Prominent leaders of the country who sacrificed their everything for the country without worrying about the consequences.

**Course Title-HISTORY OF MODERN INDIA- MINOR/ELECTIVE
Course Code- A2-HIST-2T)**

Students will acquire knowledge regarding the colonial administration with all its salient features and the relations between the British and the Indian states. They will have a clear view of the political condition and major events during the last phase British rule in India. They will be able to understand the role of women in the National Movement and Prominent leaders of the country who sacrificed their everything for the country without worrying about the consequences.

BA FINAL YEAR

**Course Title-MAIN CURRENT OF WORLD HISTORY- FIRST PAPER- MAJOR
Course Code-A3-HIST-3D**

On successful completion of this course, the students will be able to understand analysis of the Bhakti Movement in India and its impact on the Indian Society. Understand a critical analysis of the causes of the Industrial revolution and its impact on the trade and economic condition of the society. They will also understand the policies of Napoleon Bonaparte and Metternich.

**Course Title-MAIN CURRENT OF WORLD HISTORY- SECOND
PAPER
Course Code- A3-HIST-4D**

The students will learn about the social and religious change in Indian society. They will learn about the political scenario of the world and to

understand the rule and policies some of the famous personalities like Bismarck and Kaiser William II. They will learn lessons from the history of the Soviet Union about the causes disintegration.

Course Title-HISTORY OF FREEDOM MOVEMENT IN MADHYA PRADESH-MINOR/ELECTIVE

Course Code- A3-HIST-2T

The students will be able to –

- Know about the sources of freedom movement in Madhya Pradesh.
- Understand the significance of the flag Satyagrah, Jungle Satyagraha and the revolt of the Bundelas in Madhya Pradesh.
- Know about the role of Mahatma Gandhi in the Freedom Movement in Madhya Pradesh.


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B.A. ECONOMICS
Programme outcome and Course Outcome
Programme Outcome

- Bachelor of Arts help students to get: -
- Graduates will acquire a solid foundation of knowledge in their chosen Discipline.
 - They develop a comprehensive understanding of key concepts, theories, historical development in their discipline.
 - Develop Critical thinking skills, enabling them to analyse, evaluate and interpret information's and texts.
 - Acquire a strong written and oral communication skills.

Programme specific Outcome
Bachelor of Arts

- Bachelor of Arts with Economics help students to get: -
- To develop the ability to analyse and critically examine the various national economic issues.
 - To gain knowledge of National and international economic problems, policies and remedies.
 - To develop the capacity and skill to become Economic policy makers for contributing national economic development.

BA I Year

Course Name: Micro Economics- Major I

Course Code: A1 Econ1T

CLO After completing this course, students will be able to-

- understand rational behaviour and fundamentals of microeconomics.
- explain consumer's and producer's behaviour and their optimum decisions.
- about the firms and industry, markets and their decisions about optimum production.
- to explain the theory of distribution and concept of economic welfare.

Course Name: Indian Economy- Major II/Minor/Open Elective
Course Code: A1 Econ1T

CLO After completing this course, students will be able to

- sharpen the analytical skill by highlighting on board overview of the Indian economy.
- Students will be acquainted with board overview of Madhya Pradesh Economy.
- to develop, analyse and interpret events and issues related to Indian Economy.

BA II Year

Course Name: Macro Economics- Major Paper I
Course Code: A2 Econ1T

CLO After completing this course, students will be able to

- Explain difference between macroeconomics and microeconomics, common macroeconomic variables.
- understand the consumption and investment function of an economy
- derive IS-LM curves and use the framework to explain the working of an economy.

Course Name: Money Banking & Public finance (Paper- 2)- Major paper II/ Minor/open Elective
Course Code : A2 Econ2T

CLO Students successfully completing this course will have the ability to

—

- Explain the quantity theory of money, determinants of money supply, the process of credit creation and credit control.
- Understand the issues like the role of the state, optimal design of tax and economic policies.
- Describe the role of public expenditure and effects of taxation and public debt in developing country.

BA III Year

Group -A (Paper -1)

Course Name: Economics OF Growth & Development

Course Code: A3 Econ1D

CLO After completing this course ,Students will be able to

- understand the theories of development and growth models.
- explain the development of growth process of various countries, states and regions.
- use theories of growth and development to analyze the problems of the developing world.
-

Course Name: Statistics Group A (Paper- 2)

Course Code: A3 Econ2D

CLO After completing this course Students will be able to

- understand and develop the in insight and knowledge base of various concepts of statistics
- understand the various techniques of correlation and regression coefficient, time series, index number and probability.

Course Name: Gender Economics

Course Code: A3 Econ2T

CLO After completing this course, students will be able to –

- Become familiar with theoretical concepts in the area of gender economics.
- Develop the ability to understand the methodology of gender analysis.
- Analyse the various gender issues affecting developments.


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B.A. Political Science
Programme outcome and Course Outcome
Programme Outcome

- Bachelor of Arts help students to get: -
- Graduates will acquire a solid foundation of knowledge in their chosen Discipline.
 - They develop a comprehensive understanding of key concepts, theories, historical development in their discipline.
 - Develop Critical thinking skills, enabling them to analyse, evaluate and interpret informations and texts.
 - Acquire a strong written and oral communication skills.

Programme specific Outcome

- Bachelor of Arts in Political Science help students to get: -
- Develop the ability to analyse and critically examine the complex political issues, participates in public sports
 - They gain knowledge of international relations, comparative politics, and public administration, enabling them to assess analyse and pursue careers in government, diplomacy, journalism, research and various other fields
 - Develop a comprehensive understanding of Political theories, thoughts and systems

Course Outcomes B.A. Political Science 1st year (Major)

Paper I :-Course Title -Political theory

Course Code- A1-POSC1T

Students will be able to understand meaning & significance of political theory as well as different concept, dimension and approaches to enhance their knowledge of politics.

Paper II: - Course Title: - Indian Constitution

Course Code- A1-POSC2T

Students will be able to answer the questions pertaining to constitutional development in India, making and features of Indian constitution. Power and function of central and state legislature, executive and judiciary

Course Outcomes B.A. Political Science 1st year (Minor)

Paper: - Course Title: - Indian Constitution

Course Code- A1-POSC2T

Students will be able to answer the questions pertaining to constitutional development in India, making and features of Indian constitution. Power and function of central and state legislature, executive and judiciary

Course Outcomes B.A. Political Science 1st year (Elective)

Paper: - Course Title - Indian Constitution

Students will be able to answer the questions pertaining to constitutional development in India, making and features of Indian constitution. Power and function of central and state legislature, executive and judiciary

Course Outcomes B.A. Political Science 2nd year (Major)

Paper I: - Course title: - Western political thought

Course Code- A2-POSC1T

Students will able to learn key ideas of Greek Philosopher, liberal Thinkers and Marxist as well as socialist thinkers

Paper II: - Course title: - Indian political thinker

Course Code- A2-POSC2T

Students will be able to understand the contribution of ancient Indian political thinkers, social reformers of renaissance period and freedom fighter of freedom struggle movement in the evolution of Indian political thought

Course Outcomes B.A. Political Science 2nd year (Minor)

Paper: - Course title: - Indian political thinker

Course Code- A2-POSC2T

Students will be able to understand the contribution of ancient Indian political thinkers, social reformers of renaissance period and freedom fighter of freedom struggle movement in the evolution of Indian political thought

Course Outcomes B.A. Political Science 2nd year (Elective)

Paper: - Course title: - Indian political thinker

Course Code- A2-POSC2T

Students will be able to understand the contribution of ancient Indian political thinkers, social reformers of renaissance period and freedom fighter of freedom struggle movement in the evolution of Indian political thought

Course Outcomes B.A. Political Science 3rd year (Major)

Paper I: - Course title: - India's Foreign Policy

Course Code- A3-POSC1D

This Course will help students to develop an understanding of historical context, key issues as recent developments of India's foreign policy

Paper II: - Course title: - Public Administration

Course Code- A3-POSC2D

Students will be able to understand the basic concepts of public administration. In this age of market economy this course will enhance the knowledge of administrative practices and functions of public finance and public personnel

Course Outcomes B.A. Political Science 3rd year (Minor)

Paper: - Course title: - State Politics in India

Course Code- A3-POSC2T

Students will be able to understand the basic concepts of public administration. In this age of market economy this course will enhance the knowledge of administrative practices and functions of public finance and public personnel

Course Outcomes B.A. Political Science 3rd year (Elective)

Paper: - Course title: - State Politics in India

Course Code- A3-POSC2T

Students will be able to understand the basic concepts of public administration. In this age of market economy this course will enhance the knowledge of administrative practices and functions of public finance and public personnel.


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B.A. PSYCHOLOGY
Programme outcome and Course Outcome
Programme Outcome

- Bachelor of Arts help students to get: -
- Graduates will acquire a solid foundation of knowledge in their chosen Discipline.
 - They develop a comprehensive understanding of key concepts, theories, historical development in their discipline.
 - Develop Critical thinking skills, enabling them to analyze, evaluate and interpret information and texts.
 - Acquire a strong written and oral communication skills.

Programme specific Outcome

Bachelor of Arts in Psychology helps students-

- To reach the level of expertise in Cognitive Processes, Research methods & statistics, Psychopathology, Life span development, Psychology of Personality, Social Psychology, Educational Psychology, Clinical Psychology, Counselling Psychology and other genre of subject.
- Develop a working knowledge of psychological contents, areas and applications of psychology.
- Develop a base in cognitive psychology with the help of relevant examples Of everyday life.
- Comprehend and analyze situations in real life appropriately and enable Others to exercise in the same way.
- Appreciate and apply various theories of learning in the practical world.
- Identify the importance of experiments in the field of memory and other cognitive aspects and analyze the way it shaped cognitive psychology
- Understanding and application of psychological principles, theories and methods of different psychological areas to understand the complexity of human behavior.

B.A. First Year Psychology

Course Title: Personality Development

Course code: A1PSYE1T- Major

Course learning Outcomes: -

1. To develop knowledge and skill in life through learning principles.
2. Learn to apply techniques of memory improvement in everyday life.

Course Title: Introduction to Psychology

Course code: A1-PSYE2T- Major/Minor/ Open Elective

Course learning Outcomes: -

1. Learn to gain self-regulation for quality of life.
2. Acquisition of life skills through Motivation.

Course Title: Report Presentation

Course code: A1PSYC1P – Major

Course learning Outcomes: -

1. Student will learn to evaluate their strength, weaknesses, opportunities and challenges.
2. Student will develop ability to enhance their personality through applications of communication skill, time and stress management.

Course Title: Practical Work

Course code: A1-PSYC2P- Major/ Minor/ Open Elective

Course learning Outcomes: -

1. Student will learn to apply practical application of psychological concepts of attention, learning and emotion.
2. Student will develop the skill of memory improvement. Student will acquire the knowledge of achievement motivation of their life.

B.A. Second Year Psychology

Course Title: Psychopathology

Course code: A2-PSYC1T- Major

Course learning Outcomes: -

1. Students will be able to critically assess the information related to the study of behavior and mental processes.
2. Students will gain knowledge about causes, types, and prevention of abnormal behavior.

Course Title: Psychopathology- Practical

Course code: A2-PSYC1P- Major

Course learning Outcomes: -

1. Students will be able to compare biological, psychological and social views of abnormal behavior.
2. Students will be able to impart basic knowledge of characteristics of specific anxiety, mood, and personality, psychotic and psychosomatic disorders.

Course Title: Guidance and Counselling Psychology

Course code: A2-PSYC2T - Major/ Minor/ Open Elective

Course learning Outcomes: -

1. Student will gain knowledge of nature and process of counseling along with the difference between guidance and counseling.
2. Students will develop skills of counseling for solving the problems of client in different areas.
3. Students will be able to understand counseling techniques.

Course Title: Guidance and Counselling Practical

Course code: A2-PSYC2P - Major/ Minor/ Open Elective

Course learning Outcomes: -

1. Students will develop the abilities to become an effective counselor.
2. Students will be able to provide counseling in special areas such as old age people, drug abuse, HIV, AIDS & cancer patients and career counseling.

B.A. Third Year Psychology

Course Title: Social Psychology (Theory)

Course code: A3-PSYC3D- Major (Group B Paper 1)

Course learning Outcomes: -

1. Students will gain insight about social Psychology and its relationship with other Social Sciences, approaches and methods of Social Psychology.
2. Students will learn about Person perception attribution and Inter-Personal Attraction.
3. Students will aware about attitude and prejudice and their role in social psychology.
4. Students will be developing awareness about group behavior, conformity and leadership.

Course Title: Social Psychology - Practical

Course code: A3-PSYC3Q- Major (Group B Paper 1)

Course learning Outcomes: -

1. Students will be able to study group-relations.
2. Students will be capable of perceiving others.
3. Students will gain insight about the measurements of attitudes, Prejudices and conformity like social behavior.
4. Students will be able to identify relevant social situations and their influences on social behavior

Course Title: Developmental Psychology (Theory)

Course code: A3-PSYC4D - Major (Group B Paper 2)

Course learning Outcomes: -

1. Students will gain knowledge about Human development.
2. Students will be able to understand the factors needed for Human development.
3. Students will develop skill to deal with family, Peers media and ecology in their development context.

Course Title: Developmental Psychology- Practical

Course code: A3-PSYC4Q- Major (Group B Paper 2)

Course learning Outcomes: -

1. Students will gain knowledge about different psychological tests and their application.
2. Students will be able to recognize emotions.
3. Students will be aware about the process of development of language and creativity.

Course Title: Health Psychology- (Theory)

Course code: A3-PSYC2T - Minor / Elective

Course learning Outcomes: -

1. Students will gain knowledge about the relationship between health and psychology.
2. Students will get the orientation of indigenous perspective of health psychology.
3. Students will learn the effect of psychological aspects on the development of medical illnesses.

Course Title: Health Psychology- Practical

Course code: A3-PSYC2P - Minor / Elective

Course learning Outcomes: -

1. Students will learn to measure mental health of individuals.
2. Students will learn to handle different attitude scales.
3. Students will develop insight about stress management techniques.


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B.A. Sanskrit

Programme outcome and Course Outcome

Programme Outcome

- Bachelor of Arts help students to get: -
- Graduates will acquire a solid foundation of knowledge in their chosen Discipline.
- They develop a comprehensive understanding of key concepts, theories, historical development in their discipline.
- Develop Critical thinking skills, enabling them to analyse, evaluate and interpret information's and texts.
- Acquire a strong written and oral communication skills.

Programme specific Outcome

- Bachelor of Arts in Sanskrit help students to get: -
 1. Help students learns communications skills (oral and written) in Sanskrit
 2. Develop the knowledge of Indian tradition, religion social and cultural values through the study of Sanskrit
 3. Learn traditional and religious texts
 4. Develops moral and cultural values.

Course Outcomes B.A. Sanskrit 1st year (Major)

Paper I: - Course Title - वेद और व्याकरण

Course Code- A1-SANS1T

1. Students learn Vedic literature, which is declared as world heritage
2. Learnt translation art and speaking skills in Sanskrit language
3. Learn Grammar through Sanskrit Language

Paper II: -Course Title – आर्ष काव्य एवं लौकिक काव्य

Course Code- A1-SANS2T

1. Help in developing moral values
2. Develop sense of nation building with eternal and public utility of Ramayana
3. Understanding Indian Culture

Course Outcomes B.A. Sanskrit 2nd year (Major)

Paper I: -Course Title – गद्य, दर्शन एवं व्याकरण

Course Code- A2-SANS1T

1. Scientific work of Indian philosophical thinking
2. To Introduce Indian Culture and arts
3. To Impact knowledge of sentence formation and usage in Sanskrit

Paper II: -Course Title – महाकाव्य एवं नाटक

Course Code- A2-SANS2T

1. To Introduce students to poetic genres
2. Knowledge of theatrical elements
3. Development of acting art and interest in students

Course Outcomes B.A. Sanskrit 3rd year

Paper I: -Course Title – गीता दर्शन, व्याकरण एवं भाषा विज्ञान

Course Code- A3-SANS1D

1. Inspire students do selfless work
2. Knowledge of the concept of ancient caste system
3. To acquaint students with various dimensions of linguistics

Paper II: -Course Title – काव्य, छंद एवं अलंकार

Course Code- A3-SANS2D

1. Philosophy of ancient intelligence system and ideal politics
2. Inspiration for ideal married
3. Help in promotion of Indian cultural life values and psychological portrayal of characters.


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B.A. Drawing and Painting
Programme outcome and Course Outcome
Programme Outcome

- Bachelor of Arts help students to get: -
- Graduates will acquire a solid foundation of knowledge in their chosen Discipline.
 - They develop a comprehensive understanding of key concepts, theories, historical development in their discipline.
 - Develop Critical thinking skills, enabling them to analyze, evaluate and interpret information and texts.
 - Acquire a strong written and oral communication skills.

Programme specific Outcome

- Bachelor of Arts in Drawing and painting help students to get: -
- Develop the ability to analyze and critically examine the complex political issues, participates in public sports
 - They gain knowledge of international relations, comparative politics, and public administration, enabling them to assess analyse and pursue careers in government, diplomacy, journalism, research and various other fields
 - Develop a comprehensive understanding of Political theories, thoughts and systems

BA Drawing and Painting

BA 1ST Year

Course Title -History of Art

Course Code-A1-DRAW1T

Students will recognise and understand measure monuments, artists methods and theories and be able to assist the qualities of works of art in their historical and cultural settings. How the than social problems should become subjects of art.

Course title-Drawing and colors studies (Still life & nature object)

Course code- A1-DRAW1P

Sketch and render still life objects and nature objects (fruits, vegetable, leaf, flower, birds, geometrical shapes etc. with various medium like pencil, pain, ink, watercolor, poster colour, oil pastel colour, dry pastel, charcoal pencil, colour pencil etc. Exhibit understanding of colour properties of colour, colour wheel and colour value and use it judicially in the creation of visual or work.

Course title-Fundamental of Art

Course code - A1-DRAW2T

Students get information about principal of art. The art language is based on concept called the elements and principles of art introduction to the basic elements of art . 6 elements of art –line, shape, colour, texture, value,space.

Course title -Paper Mache Art**Course code- A1DRAW2P**

In the current Era the commercial arts are very popular and the study of paper science has not been dully studied in any other University. If you look at the art by going beyond various beliefs then you will find that many small artists are living their lives with this knowledge what is the impact of Indian arts academically in the world. Student will be able to take the exam in the form of this question paper. In this era of daily telecommunication Indian art is occupying different place in the world. Indian art and artist have increased importance in European countries, through this question paper students will be able to understand the impact of Indian art in the world

BA ^{2nd} Year-**Course title -History of Indian Renaissance Painting****Course code-A2-DRAW1T**

Students will be able to get knowledge of Indian Renaissance painting, styles and about leading artists of Madhya Pradesh and India.

Course title –Portrait Painting- Practical-1**Course Code-A2DRAW1P**

Students will be able to get knowledge of making portrait of models like men, women,child and old person with relative proportion and expression through pencil or different colour mediums.

Course title-Different Dimensions of Folk Art- Paper-2

Course Code-A2DRAW2T

Folk art is the mother of all arts and understanding and learning the subject with concentration. In the present Era folk art are being cherished through various creative mediums with this subjects the student will be able to get knowledge through different type of folk arts.

Course title-Copy from Indian Miniature Painting- Practical-2

Course Code-A2DRAW2P

Student will gain the practical knowledge of ancient and medieval miniature paintings of India and its painting style also different methods of painting through various colour mediums.

BA 3rd Year

Course title - History of Early Sculpture India- Paper-1

Course Code-A3-DRAW1D

The students of drawing and painting need to know about the original growth of Indian sculpture so that they would be well aware of its journey from early to medieval era.

Course title -Pictorial Composition

Course Code-A3-DRAW1Q

Pictorial composition of legendary historic as well as cultural subjects gaining knowledge or different expression posturers of human figure by drawing in different styles such as realistic, decorative etc.

**Course title -History of Indian Medieval and Modern Sculpture-
Paper2**

Course Code-A3-DRAWD

This students of drawing and painting need to know about the sculpture of medieval Era as well as Modern era so that they would be well versed of mediaeval and modern eras of Indian Sculpture.

Course title- Drawing of Human Figures - Practical 2

Course Code-A3DRAW2Q

Students of painting will be able to learn drawing of Human figure by sitting in front of life model like women men, old people and children of all ages.Through this students will learn to Mark depth,volume, anatomy,expressions and drapery through shadows and light on a two dimensional surface.


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Bachelor of Arts

Bachelor of Arts with Dance Kathak help students to get: -

- To develop the ability to analyse and critically examine the various national Dance Kathak issues.
- To gain knowledge of National and international Dance Kathak problems, policies and remedies.

Programme specific Outcome

1. Students develop a comprehensive understanding of the art form, its various style, techniques and cultural significance
2. They acquire percipiency in dance movements, body control, coordination, rhythm, and expression

**Bachelor of Arts (B.A.) in Dance Kathak
BA I Year – Paper - 1 (Theory)**

Course Name: History of Kathak Dance- Major I
Course Code: A1 - DKAT1T

After completing this course, students will be able to -

- Primary knowledge of Theory.
- Primary knowledge about Music-Vocal, Instrument & Dance.
- Development of Primary level teaching ability.
- Development of Physical & mental Strength.

BA I Year – Paper – 1 (Practical)

Course Name: Nrityanjali - Major I
Course Code: A1 - DKAT1P

After completing this course, students will be able to -

- Knowledge of Foot work.
- Knowledge of Hand movements.
- Knowledge of Bhramari.
- Primary Dance in Teentaal.
- Primary Jhaptaal.
- Knowledge of Gatnikas.

BA I Year – Paper – 2 (Theory)

Course Name: Technique of Dance – Minor II
Course Code: A1 – DKAT2T

After completing this course, students will be able to -

- Theoretical knowledge of Body movement.
- Knowledge of various contents of Taal.
- Knowledge about content of Kathak Dance.
- Knowledge of Taallipi Method.

BA I Year – Paper – 2 (Practical)

Course Name: Bhavanjali – Minor II

Course Code: A1 – DKAT2P

After completing this course, students will be able to -

- Development of skills to perform folk Dance.
- Development of skills to perform vandana on sanskrit shloks.
- Knowledge of Aasanyukti hastas & Greeva Bheda.
- Knowledge of Padhant & Natation.
- Knowledge to perform Semi Classical Dance.

BA I Year – Paper – 1 (Theory)

Course Name: Dance Kathak– Elective

Course Code: A1 – DKAT2G

After completing this course, B.Com. & B.Sc. students general introduction of Folk Dances of M.P. will be able to -

- Knowledge about the Dance forms – folk and classical Dance.
- Knowledge about folk Dances of M.P.

BA I Year – Paper – 1 (Practical)

Primary Practical knowledge of Folk Dance.

- Students will get information about the folk Dance of M.P.
- Development of ability to perform folk Dance.

Dance Kathak
BA II Year – Paper – 1 (Theory)

Course Name: - Literature of Kathak Dance - Major Paper I
Course Code: A2 DKAT1T

- Knowledge of Gharana's their speciality of Kathak Dance.
- Mentors of Kathak Dance.
- Knowledge of Govt. Institute of M.P. related to teaching of Kathak Dance.
- Knowledge of Traditional dance forms.
- Contribution of Guru's.
- Development of Primary level teaching skills.

BA II Year – Paper – 1 (Practical)

Course Name: - Nrityanjali - Major Paper I
Course Code: A2 DKAT1P

- Knowledge of Taal content.
- Skill of stage performance.
- Development of Primary level teaching skills.

BA II Year – Paper – 2 (Theory)

Course Name: Technique of Dance - Major Paper II
Course Code: A2 DKAT2T

- .Knowledge of classical Dances.
- Knowledge of Angik Sanchalan (Body movement) of kathak Dance.
- Knowledge of Taallipi Method.
- Knowledge of cultural heritage.
- Development of Primary level teaching skills.

BA II Year – Paper – 2 (Practical)

Course Name: Bhavanjali - Major Paper II

Course Code: A2 DKAT2P

- .Knowledge of Bhava.
- Knowledge of sanyukt hastas, shiro behdas & Drishti Bhedas.
- Knowledge of Padhant.
- Development of Primary level teaching skills.

Dance Kathak

BA II Year – Paper – 1 (Theory)

Course Name: - History of Kathak Dance – General Elective

Course Code: A2 DKAT1G

- Primary knowledge of Kathak Dance.
- Development of physical & Mental strength.
- Knowledge of Hasta Mudras.

BA II Year – Paper – 1 (Practical)

Course Name: - Practical – General Elective

Course Code: A2 DKAT1R

- Knowledge of foot work.
- Knowledge of Hand movements.
- Knowledge of Bhramari.
- Primary Dance in Teentaal.
- Knowledge of Asanyukt Hastas and Griva Bhedas.
- Knowledge of Gatnikas.

BA II Year – Paper – 2 (Theory)

**Course Name: - General Introduction of Folk Dance style of India. –
General Elective**

Course Code: A2 DKAT2G

- At the end of this course, the student shall be able to successfully distinguish between different forms of folk dances of Indian mainly from the states of Maharastra, Gujarat, Rajasthan.

BA II Year – Paper –2 (Practical)

**Course Name: - Preliminary knowledge of presentation of folk Dance –
General Elective**

Course Code: A2 DKAT2R

- Be able to practise folk dances from different states of India mainly from Madhya Pradesh, Gujarat, Rajasthan and Maharastra.
- Posses the preliminary knowledge of basic elements of dance (Clasical dance of North India)

BA III Year

Group -A (Paper -1) (Theory)

Course Name: DSE – Dance Kathak

Course Code: A3 DKAT1D

Spritual background of Indian Dance Art. On successful completion of this course, The students will be able to -

- Knowledge about spiritual field of Indian Dance Art.
- Availability of degree level teaching work from the study of this paper.

Group -A (Paper -1) (Practical)

Course Name: DSE – Nrityanjali

Course Code: A3 DKAT1Q - I

- Practical knowledge of Indian classical Dance.
- To develop skills as stage artist performing.
- Availability of degree level teaching work from the study of this paper.

Group -A (Paper -2) (Theory)

Course Name: DSE – Bhavanga of Indian Dance art

Course Code: A3 DKAT2D

After completing this course Students will be able to -

- Knowledge of Rasa, Bhava & Abinaya.
- Availability of degree level teaching work from the study of this paper.

Group -A (Paper -2) (Practical)

Course Name: DSE – Bhavanjali

Course Code: A3 DKAT2Q

After completing this course Students will be able to -

- Practical knowledge about performing Bhava art.
- Availability of degree level teaching work from the study of this paper.

Group -A (Paper -3) (Theory)

Course Name: DSE – Indian Dance Characters

Course Code: A3 DKAT3D

After completing this course Students will be able to -

- Knowledge of male and female character in Indian Dance.
- Availability of degree level teaching work from the study of this paper.

Group -A (Paper -3) (Practical)

Course Name: DSE – Kalanjali

Course Code: A3 DKAT3Q

After completing this course Students will be able to -

- Knowledge about performing skills as stage artist.
- Availability of degree level teaching work from the study of this paper.

Group -A (Paper -4) (Theory)

Course Name: DSE – Essay and Creative writing Indian Dance

Course Code: A3 DKAT4D

After completing this course Students will be able to -

- Development of Intellectual capacity of creative knowledge.
- Availability of degree level teaching work from the study of this paper.

Group -A (Paper -4) (Practical)

Course Name: DSE – Bhavabhinaya

Course Code: A3 DKAT4Q

After completing this course Students will be able to -

- Deeply knowledge of expressions.
- Availability of degree level teaching work from the study of this paper.


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BA MUSIC(VOCAL)

Course Learning Outcomes

BA 1st year

Course Outcomes

Course title -History of Indian Music- Theory

Course title -A1-MSIN1T

1. The course aims to acquaint the students with the Hindustani Music System.
2. The meaning of the initial technical words of music and to acquaint the student with Regas and Talas.
3. What is notation System? It aims to introduce with the inventor of notation and his musical contribution.

Student will come to know about the employment opportunities in the field of music.

Course title -History of Indian Music- practical

Course code- A1-MSIN1P

- The course to acquaint the students with the Hindustani music System.
 - The nearing of the initial technical words of music and to acquaint the student with Ragas and Talas.
 - What is notation System? It aims to introduce the students with the inventor of notation and his musical contribution.
 - Student will come to know about the employment opportunities in the field of music.

Course title -Multi Dimension of Hindustani Music- Theory-

Course - Code-A1MSIN2T

1. Introduction of types of Indian Music: - Folk Music Semi Classical Music Light Music
2. Reporting of AkashVani, Door darshan and Music festival of Madhya Pradesh.
3. Introduction of Life sketch of Film Playback Singers of Madhya Pradesh and their contribution in Music. Harmonium which is used in Indian Music, its complete description

Course title -History of Indian Music

Course - Code Practical 2 - A1MSIN2P

1. The course aims to acquaint the students with the Hindustani Music System.
2. The meaning of the initial technical words of music and to acquaint the student with Ragas and Talas.
3. To give some Knowledge of Light music in prescribed ragas.
4. To give Practical Information in Film Songs or Bhajan, based on classical ragas.
5. Informative Knowledge of Folk Music based on Local Language.
6. Provide Knowledge of Talas commonly used in Light or Film Songs.

BA 2nd year Diploma Course

Course title-History of Indian Music- Theory Paper-1

Course code- A2MSIN-1T

To knowledge of music terminology.

To know origin history of Indian Music.

Life Sketch and musical contribution of Swami Haridas.

Course title-History of Indian Music- Practical

Course code- A2MSIN-1P

- The course aims to acquaint to the students with the Hindustani music system.
- The meaning of the initial technical words of music and to acquaint the student with ragas talas.
- To give some knowledge of light music in prescribed ragas.
- Provide knowledge of Tala commonly used in light or film songs.

Course title-Multi Dimensions of Indian Music- Theory Paper-2

Course Code-A2MSIN-2T

To knowledge of music terminology.

To know origin history of Indian Music.

To know description of table.

To know merits and demerits of vocalist.

Course Title -Multi Dimensions of Indian Music- Practical Paper2

Course code-A2MSIN-2P

To give practical information in bada and Chhotakhayal, bhajan based on prescribed ragas.

The course aims to acquaint to the students with the Hindustani music system. The meaning of the initial technical words of music and to acquaint the student with raga and talas.

The meaning of the initial technical words of music and to acquaint the student with ragas talas.

To give some knowledge of light music in prescribed ragas.

Provide knowledge of Tala commonly used in light or film songs.

BA 3rd year Deegree subject outcomes-

Course title-Basic concept of Indian music Theory Paper-1

Course Code-A3MSIN-1D

- To Introduce dhamar chaturang singing style.
- To Introduce semi classical singing style.

Couse title-Basic Concept of Indian Music-Practical- Paper-1

Course Code-A3MSIN-1Q

- To Develop competence of singing vilambit khayal and drut khyal.
- To Develop competence of singing semi classical style and dhrupad Gayan style Ahankaras.

Course Title-Basic Concept of Indian Music- Theory Paper-2

Course Code-A3 MSIN-2

To Introduction of Western Music System and swar Saptak.

1. To Introduction to ancient, medieval and modern shruti swar System.
2. Information of life sketch and contribution of music.

Course title -Basic Concept of Indian Music-Practical

Course code- A3 MSIN-2Q

- 1.To develop Vilambit Khayal and drut khayal in demarcated ragas of prescribed syllabus.
- 2.To develop. Competence of Singing .Semi- Classical style and Dhrupad Gayan Style.
- 3.To Introduce style of semi classical music.
- 4.To perform dugun and chaugun hand and prescribed talas.


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बी. ए हिन्दी साहित्य कोर्स स्पेशिफिक आउटकम

इस स्नातक स्तर के पाठ्यक्रम के अध्ययता हिन्दी भाषा, भाषा विज्ञान, हिन्दी साहित्य, समीक्षा शास्त्र और कार्यालयीन तथा जंनसंचार के क्षेत्र और उसकी विविध विधाओं में निपुण होकर बेहतर रोजगारपरख हेतु अवसर प्राप्त होंगे

बी. ए. हिन्दी साहित्य प्रथम वर्ष

कोर्स टाइटल- 1.हिंदी काव्य - paper-1st
कोर्स कौड- A1-HLIT1T

कोर्स आउटकम

इस पाठ्यक्रम के अध्ययन से विद्यार्थी हिंदी काव्य की सुदीर्घ परंपरा ;देश की सामाजिक, सांस्कृतिक और राष्ट्रीय पृष्ठभूमि तथा जीवन और जीवन मूल्यों को राष्ट्रीय पृष्ठभूमि तथा जीवन और मूल्यों को समझने में सक्षम होंगे।

कोर्स टाइटल- कार्यालयीन हिंदी और भाषा कंप्यूटिंग-paper-2
कोर्स कौड- A1-HLIT2T

इस पाठ्यक्रम से विद्यार्थी कार्यालय के कार्य को समझने और करने में सक्षम होंगे तथा नई तकनीक में दक्ष होकर रोजगार के बेहतर अवसर पाँएंगे.

बी. ए. हिन्दी साहित्य
द्वितीय वर्ष

कोर्स टाइटल- कार्यालयीन हिंदी और भाषा कंप्यूटिंग - paper-1st
कोर्स कोड- A2-HLIT1T

इस पाठ्यक्रम के माध्यम से विद्यार्थी हिंद गद्य ककी विविध विधाओ से, रचनाओं और रचनाकारों से परिचित होकर बेहतर मानवीय गुणों और संवेदनशीलता से समृद्ध होंगे । सृजनात्मक लेखन, समीक्षा ,प्रकाशन और अध्यापन के क्षेत्र भी इस अध्ययन से उनके लिए खुलेंगे

कोर्स टाइटल- अनुवाद विज्ञान - paper-2nd
कोर्स कोड- A1-HLIT2T

इसके माध्यम से विद्यार्थी बहुभाषाविद् बनने अनुवाद-कौशल विकसित कर वैश्विक प्रतिस्पर्धात्मक वातावरण से सामजस्य बनाने और भारतीय तथा भारतोत्तर भाषाओं के क्षेत्र में रोजगार पाने में सक्षम होंगे

बी. ए. हिन्दी साहित्य
तृतीय वर्ष

कोर्स टाइटल- काव्यांग विवेचना एवं जनपदीय भाषा साहित्य-paper-1st
कोर्स कोड- A3-HLIT1D

इस पाठ्यक्रम के माध्यम से विद्यार्थी म.प्र. की विभिन्न जनपदीय भाषाओं ओर उनके सहित्यों से परिचित होकर भारत की सांस्कृतिक विविधता को समझेंगे , सराहेंगे तथा इनकी अन्य भाषाओं , विधाओं में प्रस्तुति देने में सक्षम होंगे ।

कोर्स टाइटल- जनसंचार माध्यम : सिद्धांत और अनुप्रयोग कोर्स कोड- A3-HLIT2D

इसके माध्यम से विद्यार्थी पत्रकारिता और उसके सामाजिक ,राष्ट्रीय दायित्व का समझने ,इसकी विविध विधाओं के क्षेत्र में बेहतर रोजगार पा सकेगे

कोर्स टाइटल- लोक साहित्य एवं संस्कृति
कोर्स कोड-

विद्यार्थी इस अध्ययन से लोकजीवन शैली से परिचित होकर लोक साहित्य कला और संस्कृति की विविध विधाओं में कौशल विकसित कर बेहतर सृजन तथा रोजगार पाने में सक्षम होंगे।

कोर्स स्पेशिफिक आउटकम

इस पाठ्यक्रम के अध्ययन से विद्यार्थी हिन्दी भाषा और साहित्य के इतिहास,संस्कृति तथा उसकी सामाजिक पृष्ठ भूमि से , लोक भाषाओं तथा कलाओं से ओर भाषा के कार्यालयीन अनुवाद तथा जनसंचार माध्यमों से प्रचलित रूप से परिचित पारंगत हो सकेगे

आधारपाठ्यक्रम,हिन्दी बी.ए./बी.कॉम /बी.एस.सी प्रथम वर्ष

हिन्दी भाषा एवं साहित्य के अध्ययन से निम्नलिखित उद्देश्यों की प्राप्ति है।

- 1.उत्कृष्ट साहित्यिक पाठों के अध्ययन से साहित्य अभिरूचि एवं समझ विकसित करना।
- 2.सांस्कृतिक चेतना जागृत कर राष्ट्रीय भावना का विकास करना
3. सामान्य शब्दावली और विशिष्ट शब्दावली के अध्ययन हो भाषा बोध विकसित करना।
4. भाषा ज्ञान के माध्यम से विभिन्न प्रतियोगी परिक्षाओं को तैयार करना।

बी.ए./बी.कॉम /बी.एस.सी द्वितीय वर्ष

बी.ए. द्वितीय वर्ष में आधार पाठ्यक्रम के अर्न्तगत हिन्दी भाषा का अध्ययन करने से निम्नलिखित उद्देश्यों की प्राप्ति सम्बंध है

1. भारतीय ज्ञान परम्परा से विद्यार्थियों का परिचित कराना तथा उनमें सांस्कृतिक चेतना का विकास करना
2. उत्कृष्ट साहित्यिक पाठों के अध्ययन से साहित्यिक अभिरूचि का विकास करना।
3. सांस्कृतिक चेतना के माध्यम से राष्ट्रीय भावना का विकास करना ।
4. सामान्य एवं विशेष शब्दावली के साथ व्याकरण बोध के अध्ययन से भाषा ज्ञान विकसित करना
5. विभिन्न प्रतियोगी परिक्षाओं की तैयारी करना ।

बी.ए./बी.कॉम /बी.एस.सी तृतीय वर्ष

बी.ए. तृतीय वर्ष में आधार पाठ्यक्रम के अर्न्तगत हिन्दी भाषा का अध्ययन करने से निम्नलिखित उद्देश्यों की प्राप्ति सम्बंध है

1. इस पाठ्यक्रम के अध्ययन से विद्यार्थियों को हिन्दी के प्रसिद्ध रचनाकारों और उनके साहित्य से परिचित करना ।
2. पठित साहित्यिक रचनाओं के माध्यम से विद्यार्थियों को राष्ट्र की सभ्यता एवं संस्कृति से परिचित कराना।
3. पाठ्यक्रम में निर्धारित वाक्य रचना एवं अशुद्धि संशोधन के अध्ययन से भाषा बोध का विकास तथा व्यक्तित्व का विकास करना।
4. भाषा बोध के माध्यम से विभिन्न प्रतियोगी परीक्षाओं की तैयारी करना।


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B.A. Geography
Programme outcome and Course Outcome
Programme Outcome

Bachelor of Arts with Geography help students to get: -

- To develop the ability to analyse and critically examine the various national geographical issues.
- To gain knowledge of National and international geographical problems, policies and remedies.

Programme specific Outcome

Students investigate geographic phenomena, and contribute to solve real world problem Graduates of geography possess valuable skills for careers urban planning, environmental management, remote sensing, tourism and various others fields

**Bachelor of Arts (B.A.) in Geography -
BA I Year – Paper - 1
Major I**

Course Name: Human Geography: Environment and Culture

Course Code: A1 - GEOG1T

After completing this course, students will be able to -

- Discuss and describe the major concepts and key principles of Human geography.
- Approach problem solving from a geographic perspective by understanding the role location plays.

**Major/Minor/Open Elective
BA I Year – Paper - 2**

Course Name: Physical Geography

Course Code: A1 – GEOG2T

After completing this course, students will be able to -

- Understand the internal structure of the earth, rocks that compose it and forces within the earth that act to deform it.
- Analyze how the natural and anthropogenic operating factors affect the development of land forms.

BA II Year

Course Name: Economic Geography- Major Paper I

Course Code: A2 GEOG1T

After completing this course, students will be able to

- Explain the role of historical, environmental, cultural and other factors responsible for the location and distribution of economic activities.
- Learn about the selected industries of Madhya Pradesh.

Course Name: Physical Geography (Paper- 2)- Major paper II/ Minor/open Elective

Course Code: A2 GEOG2T

Students successfully completing this course will have the ability to –

- Appreciate the elements of weather and climate and its impact at different scales.
- Learn about the knowledge of Weather and Climate Available in Ancient Indian Literature.

BA III Year

Group -A (Paper -1)

Course Name: DSE - Regional Geography of India

Course Code: A3 GEOG1D

After completing this course, Students will be able to

- Comprehend the geography of India.
- Locate resources on the map.
- Develop awareness about the availability of resources, their exploitation and conservation.

Group -A (Paper -2)

Course Name: DSE - Regional Planning and Development

Course Code: A3 GEOG2D

After completing this course Students will be able to -

- To comprehend the concept of region and regional planning.
- To develop understanding about concept of development, sustainable development and different programs and Policies.

Group -B (Paper -3)

Course Name: DSE – Environment and Resource Management

Course Code: A3 GEOG3D

After completing this course, students will be able to –

- Comprehend the environment, inter-relationship of Natural and Human Environment and Ecology.
- Analyze the relationship between Environmental Degradation and Quality of Human Life.
- Analyze the natural Resources, their depletion, conservation and management.

Group -B (Paper -4)

Course Name: DSE – Urban Geography

Course Code: A3 GEOG4D

After completing this course, students will be able to –

- Comprehend the concept and processes of Urban geography.
- Learn the functional classification of cities and Central Place Theory.
- Analyse the consequences of urban environmental issues at different scale.


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B.A. ENGLISH

Programme outcome and Course Outcome

Programme Outcome

- Bachelor of Arts in English help students to get: -
- Graduates will acquire a solid foundation of knowledge in their chosen Discipline.
 - They develop a comprehensive understanding of key concepts, theories, historical development in their discipline.
 - Develop Critical thinking skills, enabling them to analyze, evaluate and interpret information's and texts.
 - Acquire a strong written and oral communication skills.

Programme Specific Outcome

Bachelor of Arts in English helps students to get-

- To enhance employability of the students by developing their linguistic competence and communicative skills.
- To ensure high standards of behavioral attitude through literary subjects.
- To shape the students socially responsible students.
- Will be able to participate in any exams.

Bachelor of Arts I Year

Major Paper I

Course Title- Study of Drama

Course Code- A1-ELIT1T

- to introduce drama as a major form of literature
- to know about British dramatists and their major works.
- to know about literary history.

Course Title- Major Paper II/Minor/Open Elective

Course Code- Study of Poetry A1-ELIT2T

- Students get to know about poetry and its structure.
- Students understand different ages and its chief characteristics.
- Students also learn about the rhythm and prosody.

Bachelor of Arts II Year

Course Title- Study of Prose (Major),

Course Code- A2-ELIT-1T

1. Teaching of Prose prepares the students to understand the passage, to understand the difference between essay and novel and to enrich their vocabulary. it also involves of the understanding of human emotions and society in a proper way
2. The reading Strategies are:- Understanding, thinking, Analysis, Appreciation
3. The students will acquire the exposer to essay writings which will help them to write accurately.

Course Title- Study of fiction (Minor),

Course Code- A2-ELIT-1T

4. Teaching of fiction prepares the students to understand the passage, to understand the difference between essay and novel and to enrich their vocabulary. it also involves of the understanding of human emotions and society in a proper way
5. The reading Strategies are: - Understanding, thinking, Analysis, Appreciation
6. The students will acquire the exposer to essay and fiction writings which will help them to write accurately.

Bachelor of Arts III Year

Major Paper

Discipline Specific Elective (DSE)

Course Title- Structure and Translation- Group A Paper I

Course code-A3-ELIT1D

- Students will be able to define the English language structures and their functioning in relation to phonology and morphology.
- To evaluate the relationship between English language and society.
- To comprehend the elements and scope of translation.

Course Title- Group Indian Diaspora Literature A Paper II

Course code-A3- ELIT2D

- Students get to know about the theoretical backgrounds of international migration, race and ethnicity.
- Students come to know about the various attributes of the Indian diaspora.
- Students can create an interpretation of the texts in the context of diaspora conditions.

Minor/Open Elective

Course Title- Indian English Poetry and Drama

Course code-A3- ELIT2T

- Students come to know about the historical trajectory of various genres of Indian Writing in English.
- Students get to know how to analyze the sociological, historical, cultural and political contexts in Indian English writing.
- Students learn different aspects of Indian English writing.


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B.A. Sociology

Programme outcome and Course Outcome

Programme Outcome

- Bachelor of Arts help students to get: -
- Graduates will acquire a solid foundation of knowledge in their chosen Discipline.
 - They develop a comprehensive understanding of key concepts, theories, historical development in their discipline.
 - Develop Critical thinking skills, enabling them to analyze, evaluate and interpret information's and texts.
 - Acquire a strong written and oral communication skills.

Programme specific Outcome

1. Students develop a Comprehensive Understanding of Social Structure, Interaction and Process.
2. To develop a deep understanding of Social Inequalities including gender, race Class and more social Issues
3. To acquire critical thinking and analytical skills to examine and interpret social phenomena form a sociological perspective

B.A. Ist Year

Course title-Sociology Major–I Indian Society and Cultural

Course code – A1-Soci 1T

To identify and analyze some such immerging social issues and problem form sociological perspective. The interest of systemic ordering the issues and problems have been classified into four sets-structural familiar developmental and disorganizational

Course title-Major–II-Primary concepts of sociology

Course code – A1-Soci 2T

In this paper students learns the concept of sociology and intended to acquaint the students with sociology as a social science and the distinctiveness of its approach among the social sciences. It is to be organized in such a way that even students without any previous exposer to sociology could acquire and interest in the subject

Course title-Minor–Primary concepts of sociology

Paper code – A1-Soci 2T

In this paper students learns the concept of sociology and intended to acquaint the students with sociology as a social science and the distinctiveness of its approach among the social sciences. It is to be organized in such a way that even students without any previous exposer to sociology could acquire and interest in the subject

Course title-Sociology Open Elective- Primary concepts of sociology

Paper code – A1-Soci 2T

In this paper students learns the concept of sociology and intended to acquaint the students with sociology as a social science and the distinctiveness of its approach among the social sciences. It is to be organized in such a way that even students without any previous exposer to sociology could acquire and interest in the subject

BA II Year

Course title-Major I Paper-Basic Concept of Social Research

Course code – A2-Soci 1T

Basic concept of social research To Provide an understanding of the nature of social phenomenon the issues involved in social research and the way and means of understanding and studying social reality.

Course title-Major II Paper -Social change and development

Course code – A2-Soci 2T

This paper will introduce the students with the concept of various factors processes and theories of social change it will give them knowledge about the concept of development its consequences

Course title-Minor Paper -Social change and development

Course code – A2-Soci 2T

This paper will introduce the students with the concept of various factors processes and theories of social change it will give them knowledge about the concept of development its consequences

Course title-Elective Paper -Social change and development

Course code – A2-Soci 2T

This paper will introduce the students with the concept of various factors processes and theories of social change it will give them knowledge about the concept of development its consequences

B.A.IIIrd Year
Group - B

Course title-Sociology Major–I-Foundation of Sociological thought
Course code – A3-Soci 3D

To Familiarize the students with the social political, economic and intellectual context in which sociology emerged as a distinctive discipline

It helps Students to gain and understanding of some of the classical contributions in sociology and their continuing relevance to its contemporary concerns

Course title-Sociology Major–II-Crime and Society
Course code – A3-Soci 4D

1. To equant the students with the changing profile of Crime and criminal
2. To equipped them with the emerging perspective of Crime causation with particular stress on sociological explanations
3. To Sensitize them to the emerging idea of correction, its type and measures

Course title-Sociology Minor- Sociology of Indian Tribe
Course code – A3-Soci 2T

In this paper student learns what is tribe? How many tribes lives in India. What are the classifications of tribe? Which tribe is living in particular place? What is the family structure, marriage system, traditions of the tribes? What are the food habits, clothing and ornaments of the tribes? Students learns how beam power the tribes because they are the part of Indian society.

Course title-Sociology Open Eclectic- Sociology of Indian Tribe
Course code – A3-Soci 2T

In this paper student learns what is tribe? Who many tribes lives in India. What are the classifications of tribe? Which tribe is living in particular place? What is the family structure, marriage system, traditions of the tribes? What are the food habits, clothing and ornaments of the tribes? Students learns how beam power the tribes because they are the part of Indian society.

PO, PSO AND CO OF BACHELOR OF COMMERCE

Programme Outcome

B. Com

graduate in commerce acquire a comprehensive understanding of key business disciplines including accounting, finance, marketing, management, economics and business law learns quantitative and financial skills

Programme specific outcome

Understanding of various aspects related to business, finance, accounting, marketing and taxation and play a crucial role ensuring compliances of business-related problem and contribute to economic stability job creation and organisational success through their expertise in commerce related field

B. Com: 1st Year

Course Title: - Financial Accounting

Course Code: - C1-COMA1T

Successful completion of this course, the student will be able to

1. Acquire conceptual knowledge of basics of a accounting.
2. Identify events that need to be recorded in the accounting records.
3. Develop the skills of recording financial transactions and preparation of reports in accordance with GAAP.

4. Equip with the knowledge of accounting process & preparation off in a accounts of role trader.

Course Title: - Business Regulatory Farmwork.

Course Code: - C1-COMA2T

The outcome of this course is to provide the students with practical legal knowledge of general business law issues.

1. To understand the essential of a valid contract, the laws of the act, consideration and the various modes of discharge of a contract.
2. To explain the various laws with regard to the sale of goods & performance of a sale contract and remedial measures.
3. To familiarize the students with the various laws with regard to consumers protection in India and the functions of Various consumer forms.
4. To understand the meaning and the various legislations with regard to the cyberlaws.

Course Title: - Business Organization & Communication

Course Code: - C1-COMA2T

After Completion of this course, it is expected that –

1. The student shall understand the basics of the business and will able to imbibe how any business can be organized successfully \
2. The Chapters related communication shall be able to elucidate how communication plays an important role in modern business scenario.

Course Title: - Business Organization & Communication

Course Code: - C1-COMC1T

Upon successful completion of the course a student will be able to –

1. Understand how household (demand) and business (supply) interact in various market structure determine price and quality of a good produced.

2. Understand the links between household behaviour and the economic models of demand.
3. Represent demand, in graphical form, including the downward slope of the demand curve and what shifts the demand curve.
4. Understand the links between production costs and the economic models of supply.

Course Title: - Business Organization & Communication

Course Code: - S1-COAP2T

On the completion of this course student will be able –

1. To understand the basic concept of various applications of software.
2. To gain knowledge of MS word, Excel, Access, and PowerPoint.
3. To apply acquired knowledge in office automation tasks.
4. To study various methods of formatting of documentation and use of spreadsheets.
5. To develop and enhance presentation skills using PowerPoint.

B. Com: 2nd Year

Course Title: - Business Statics

Course Code: - C2-COMB2T

At the end of the course, Students should be able to:

1. Apply a basic knowledge of statistics to business disciplines
2. Develop the ability to analyse and interpret data to provide meaningful information to assist in management decision making activities.
3. Apply appropriate graphical & numerical descriptive statistics for different types of data.
4. Apply probability rules & Concepts relating to discrete and continuous random variables to answer questions within a business context.

Course Title: - Corporate Accounting

Course Code: - C2-COMA1T

After Completion of the course, learners will be able to: -

1. An understanding of the regulatory environment in which the companies are formed and operate.
2. A Solid foundation in according and reporting requirements of the corporation's act and accounting standards.
3. Describe the rationale, merits, and demerits of issuing bonus shares for a company.
4. Prepare financial statement (Profit & Loss Account, Balance sheet etc.) Using online software.

Course Title: - Cost Accounting

Course Code: - C2-COMA2T

This subject of cost accounting is very important to make the student of commerce subject self-reliant, students form its study: -

1. Know the principles, concepts, benefits, utility of cost accounting.
2. In the event of setting up your own industry, being self-sufficient in cost accounting, you will be able to acquire knowledge of the methods of material issue, control and labour payment
3. Will be expert in finding out unit cost, finding tender price, finding contract cost and finding profit.
4. Develop decision making ability through marginal cost analysis, standard cost analysis

Course Title: - Corporate Law

Course Code: - C2-COMC2T

The Paper aims to import the student's working knowledge of the provisions of companies act 2013. After completion of the course, Students will be able to-

1. Explain the relevant position of the companies Act 2013.
2. Interpret the corporate functioning in India.

Course Title: - Corporate Law

Course Code: - C2-COMC2T

On the completion of this course student will be able to: -

1. Learn Fundamentals of net framework.
2. Enrich knowledge about windows forms, controls and ASP, NET Based applications.
3. To gain proficiency in C# by building stand-alone applications in the NET Framework using C# and ADO.NET
4. Build data-driven applications using the .NET framework, C#, and ADO.NET
5. Acquire skills to create web-based application and report using .NET technologies.

B. Com: 3rd Year

Course Title: - Income Tax Law and Practices

Course Code: - C3-COMA1D

After the successful completion of the course, the students shall be able to :-

1. Understand the basic concepts in the law of Income Tax and determine the residential status of different persons.
2. Identify the five heads in which income is categorised and compute income under the provisions various heads.
3. Understand clubbing procedures, aggregate income after set-off and carry Forward of losses & deduction allowed under the income tax act and further to compute taxable income and tax liability of individuals
4. Develop the ability to file online return.

Course Title: - Goods and Service tax and Custom Duty.

Course Code: - C3-COMA2D

After the successful completion of the course, the students shall be able to –

1. Connect with the genesis of GST, discipliner the constitutional amendment carried out to install in India and comprehend the composition and working of GST council.
2. Understand the meaning of supply under GST law.
3. Comprehend the utilization of input tax credit
4. Understand the provisions for registrations under GST Law.

Course Title: -Management Accounting

Course Code: - C3-COMB2T

After studying this subject, the students-

1. Be Well versed in a thorough analysis of any company's financial statements such as profit and loss account and position statement, and be able to make accurate estimates of the financial position, solvency and profitability of that company.
2. By studying the cash flow statement, you will get the knowledge of proper use of cash in the organisation and adequate availability of cash in the organization and adequate availability of cash in the organization.
3. After getting the knowledge of marginal cost, will be able to make very important decisions for the company such as whether to make or buy the item. Fix the price, stop production etc.
4. Learn to control costs by creating different types of budget form budgetary control.

Course Title: -Advertising Sales Promotion and Management

Course Code: - M3-ASPM2T

Students will be able to understand-

1. The components & Process of logistics operations and supply chain management. This course is intended to provide knowledge of logistics

2. Students will learn Supply chain Management, Performance of Supply chain and management by demand chain and global chain.
3. Process of warehousing and role of SCM professionals.

Course Title: -Internet and its Applications
Course Code: - S3-COAP2T

On Successful Completion of this course, the students will be able to: -

1. Understand the features and applications of internet
2. To Trouble shoot day problem with internet
3. To Understand basics of networking and web designing to use internet effectively for official and domestic applications.
4. To Structure a web-page and its context.
5. To build Commerce websites.


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B.Sc.-Botany

Programme Outcome and Course Outcome

Programme Outcome

- Bachelor of Science help students to get-
 1. B.Sc. helps students to acquire a solid foundation of knowledge in their chosen scientific disciplines
 2. Develop Scientific enquiry and Critical thinking
 3. Students will gain practical laboratory skills, experimental techniques, data collection and analysis

Programme specific outcome

- Bachelor of Science in Botany helps students to get-
 - Acquainted with various opportunities related to botany available in the government services like forest range officer, environmentalist, plant taxonomist, conservationist, food or fruit grower, researcher etc.
 - Understand basic characteristics of plants and microbes (Bacteria, Viruses etc.).
 - Will be aware about different environmental issues cause by deforestation and misuse of natural resources.
 - Demonstrate, solve and develop an understanding of major concepts in all disciplines of botany.
 - Will gain knowledge about applications of plant in different field (Medical science, Ayurveda and Biotechnology).
 - Solve the problem and also think methodically, independently and draw a logical conclusion.

Course Outcome (CO)

B.Sc I year

Course Title-Applied Botany (Major-1)

Course Code- S1-BOTA1T

- Understand the significance and role of Botany.
- Gain the knowledge about employment opportunities in the field of Botany

Course Title-Basic Botany (Major-2/ MI/OE)

Course Code- S1-BOTA2T

- Understand the diversity of plants and evolutionary process in plant kingdoms.
- Gain an account of plant adaptations from aquatic condition to colonize terrestrial habitat and understand the economic importance and significance of plants in nature.

B.Sc II year

Course Title-Plant Anatomy and Embryology (Major1)

Course Code- S2-BOT A1T

- Students will learn the internal structure of Plants and it enhances the basic understanding of organization of plant body by cells and tissues.
- Students will have hands on training on section cutting, preparation of slides, study of pollen and ovules.

Course Title-Industrial Botany (Major-2/ MI/OE)

Course Code- S2-BOT A2T

- This course will provide knowledge on plants and their parts used in various industries.
- Students will get an idea to establish plant based natural product industry.

B.Sc III year

Course Title-Plant Physiology and Metabolism (Major 1)

Course Code- S3-BOTA1 D

- This course provides learning opportunities in the field of plant physiology, metabolism and biochemical aspects.
- The practical application of different aspects will be possible for entrepreneurship development.

Course Title-Ecology and Forestry (Major-2)

Course Code- S3-BOT A2 D

- Students will be able to differentiate the hydrophyte and xerophyte characters.
- Students will be able to recognize different types of habitat, forest and plants.

Ethnobotany (Minor/OE)

Course Code- S3- BOT A3 D

- Understand the importance of plants and their relationship with human beings.
- Understand the usage of traditional plants as medicines to cure various diseases.


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B.Sc. Mathematics

Programme Outcomes and Course Outcome

Programme Outcome

- Bachelor of science help students to get:
- Scientific temper will be developed in students.
 - Students will acquire basic practical skills & technical knowledge along with domain knowledge of different subjects in the science stream.
 - Students will become employable they will eligible for career opportunities in industry or entrepreneurship.
 - Students will possess basic subject knowledge required for higher studies, professional and applied course like management studies.
 - Students will be aware of and able to develop solution-oriented approach towards various social and environmental issues.

Programme Specific Outcome

- Know when there is a need for information to be able to identify locate evaluate and effectively use that information for the issue or problem at hand.
- Formulate and develop mathematical arguments in a logical manner.
- Acquire good knowledge and understanding in advanced areas of mathematics and statistic, chosen by the student from the given courses.
- Understand formulate and use quantitative models arising in social science business and other contexts.

B.Sc. I

Course Title: - Algebra, Vector Analysis and Geometry

Course code: - SI-MATHIT

COURSE OUTCOME: -

1. Recognize consistent and inconsistent systems of linear equations by the row echelon form of the augmented matrix. using the rank of matrix.
2. To find the Eigen values and corresponding Eigen vectors for a square matrix
3. Using the knowledge of vector calculus in geometry.
4. Enhance the knowledge of three dimensional
5. geometrical figures (e.g. cone and cylinder).

Course Title: - Calculus and Differential Equations

Course code: - SI-MATH2T

COURSE OUTCOME: -

1. Sketch curves in a plane using its Mathematical properties in the different coordinate systems of reference.
2. Using the derivatives in Optimization, Social sciences, Physics and Life sciences etc.
3. Formulate the Differential equations for various Mathematical models.
4. Using techniques to solve and analyze various Mathematical models

B.Sc. II

Course Title: - Abstract Algebra and Linear Algebra

Course code: - S2-MATH1T

COURSE OUTCOME: -

1. Recognize the algebraic structures as a group, and classify them as abelian, cyclic and permutation groups, etc.
2. Link the fundamental concepts of groups and symmetrical figures. Analyze the subgroups of cyclic groups.
3. Explain the significance of the notion of cosets, normal subgroups, and quotient groups.
4. The fundamental concept of rings, fields, subrings, integral domains and the corresponding morphisms.
5. Analyse whether a finite set of vectors in a vector space is linearly independent. Explain the concepts of basis and dimension of a vector space.

Course Title: -Advanced Calculus and Partial Differential Equations

Course code: - S2-MATH2T

COURSE OUTCOME: -

1. Understand many properties of the real line \mathbb{R} and sequences.
2. Calculate the limit superior, the limit inferior, and the limit of a bounded sequence.
3. Apply the mean value theorems and Taylor's theorem.
4. Apply the various tests to determine convergence and absolute convergence of an infinite series of real numbers.
5. Formulate, classify and transform partial differential equations into canonical form

B.Sc. III

Course Title: -Numerical Methods and Scientific Computation

Course code: - S3-MATH1D

COURSE OUTCOME: -

1. Understand numerical methods to find the solution of a system of linear equations.
2. Compute interpolation value for real data.
3. Find quadrature by using various numerical methods
4. Solve system of linear equations by using various numerical techniques.
5. Obtain solutions of ordinary differential equations by using numerical methods.

Course Title: -Fundamentals of Boolean Algebra

Course code: - S3-MATH2T

- 1.Using the Boolean algebra in logical problems.
- 2.Minimize the Boolean Function using Karnaugh Map.
- 3.Understanding the various logic gales.
- 4.Applyingthecircuitsinlogicalproblems

Course Title: -Elements of discrete mathematics

Course code: - S3-MATH2D

- 1.Apply the Boolean algebra, switching circuits and their applications.
- 2.Understand the lattices and their types.
- 3.Graphs their types and its applications in study of shortest path algorithms.
- 4.Understand the Eulerian and Hamiltonian graph.


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B.Sc.-Biotechnology
Programme Outcome and Course Outcome
Programme Outcome

- Bachelor of Science help students to get-
- 1. B.Sc. helps students to acquire a solid foundation of knowledge in their chosen scientific disciplines
- 2. Develop Scientific enquiry and Critical thinking
- 3. Students will gain practical laboratory skills, experimental techniques, data collection and analysis

Programme specific outcome

- Bachelor of Science in Biotechnology helps students to get-
- 1. Students develop a Comprehensive understanding of Computer system
- 2. Acquire Proficiency in designing and implementing complex soft solution
- 3. Develop valuable skills for career in software development, data analysis and cyber security

Course Outcome (CO) of B.Sc. Biotechnology

B.Sc. 1 year

Course Title-Cell Biology and Biochemistry (Major)

Course Code- S1-BTEC1T

- (1) Understand basics of cell biology and Biochemistry
- (2) Student can also go in for medical laboratory technique courses.

Paper 2-

Course Title-Microbiology and Immunology (MJ/ MI/OE)

Course Code- S1-BTEC2T

- (1) At the end of the course students will familiar with microbial diversity and nutrition.
- (2) Students will able to understand Immune system (properties and types) and immunological techniques.

B.Sc. 2 year-

Paper 1 –

Course Title-Basic molecular biology

Course Code- S2-BTEC1T

- (1) Students will be able to explain role of different protein/ enzymes involved
In cell signaling.
- (2) They will be able to understand mechanism of genetic damage caused by mutation and role of various repair system in neglecting the effect of these mutation.

Paper 2-

Course Title-Recombinant DNA Technology

Course Code- S2-BTEC2T

- (1) Given the impact of genetic engineering in modern society, the students should be endowed with strong theoretical knowledge of this technology.

B.Sc. 3 year

Paper 1 -

Course Title-Industrial Biotechnology

Course Code- S3-BTEC1D

- (1) Students will get concept of industrial and human beneficial living Organism, their exploitation and application.
- (2) Create interest about design, types of fermenter and bioreactors.

Paper 2-

Course Title-Agriculture Biotechnology

Course Code- S3-BTEC2D

- (1) The student will empower with the fundamental of agriculture biotechnology such as organic farming.
- (2) The student will get deep knowledge of soil microbiology.


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B.Sc.-Computer Science
Programme Outcome and Course Outcome
Programme Outcome

- Bachelor of Science help students to get-
1. B.Sc. helps students to acquire a solid foundation of knowledge in their chosen scientific disciplines
 2. Develop Scientific enquiry and Critical thinking
 3. Students will gain practical laboratory skills, experimental techniques, data collection and analysis

Programme specific outcome

- Bachelor of Science in Computer Science helps students to get-
1. Students develop a Comprehensive understanding of Computer system
 2. Acquire Proficiency in designing and implementing complex soft solution
 3. Develop valuable skills for career in software development, data analysis and cyber security

B.Sc I year (Computer Science)(MJ-1)

Course Title; -Computer System Architecture

Course Code: - S1-COSC-1T

1. Understand the basic structure, operations and characteristics of digital computer.
2. Be able to design simple combinational digital circuits based on given parameters.
3. Familiarity with working of arithmetic and logic unit as well as the concept of pipelining.
4. Understand concept and advantages of parallelism.

B.Sc I year (Computer Science)(MJ-2/MI/OE)

Course Title: -Programming Methodologies & Data Structure

Course Code: - S1-COSC-2T

1. Develop simple algorithms and flow charts to solve a problem with programming using top-down design principles.
2. Writing efficient and well-structured computer algorithms /programs.
3. Learn to formulate iterative solutions and array processing algorithms for problems.
4. Know the contribution of Indians in the field of programming and data structures.

B.Sc /B.A./B. com(Vocational) I Year

Course Title: -Web Designing

Course Code: - V1-COS-WEBT

1. Code a handful of useful HTML & CSS examples.
2. Build Semantic, HTML & CSS web page.
3. Write basic scripts.
4. Create Dynamic Web Pages using Java Script in HTML forms.

B.Sc II Year (Major-1)

Course Title-Computer Network & Information Security

Course Code: - S2-COSC1T

1. Define and describe the components of data communication system such as various protocols, OSI model, data transmission in analog and digital format.
2. Identify and differentiate among the network devices and drivers.
3. Learn and describe various error detection and correction methods. define the various terminologies used in network and application layers.
4. Compare various networks technology and can decide the suitable technology installation as per requirement and environment at any work place.

B.Sc II Year (MJ/MI/OE)

Course Title-Object Oriented Programming with Java

Course Code: - S2-COSC2T

1. Implement Object Oriented Programming concept using basic syntaxes of control structures, string and function for developing skills of logic building activity.
2. Identify classes, objects, members of a class and the relationships among them needed for a finding the solution to a specific problem.
3. Demonstration how to achieve reusability using inheritance, interfaces and packages and describe faster applications development can be achieved.
4. Identify and describe Common abstract user interface components to design GUI in java using Applet & AWT along with response to events.

B.Sc./B.A./B.Com. II

Course Title-Year Vocational (Web Designing)

Course Code: - V2-COS-WEBT

1. Discover how the web works. what makes web sites work.
2. Implement simple and impressive design techniques, from basics to advanced –so as to focus on goal oriented and user centric designs.
3. Use Server Side Scripting.
4. Apply skills to program logic using PHP and handles data using MySQL.

B.Sc III Year (MJ-1)

Course Title-Operating system (Group-A)

Course Code: - S3-COSC1D

1. Describe the important of computer system resources and the role of operating system in their management policies and algorithm.
2. Describe the concepts of multithreading and memory management technique.
3. Learn to operate and Linux system, along with its administration and shell programming.
4. Getting to know the Android OS and its application framework.

B.Sc III Year (MJ-2/MI/OE)

Course Title-Programming with Python (Group-A)

Course Code: - S3-COSC2D

1. Express proficiency in the handling of strings, functions and file handling.
2. Interpret the fundamental Python syntax and semantics and be fluent in the use of Python control flow statements.
3. Identify the commonly used operations involving database connectivity and use of tkinter for GUI programming.

B.Sc. III Year (Vocational)

Course Title-Vocational (Web-designing)

Course Code: -V3-COS-WEBT

Code a handful of useful HTML & CSS examples.

1. Build semantic, HTML & CSS Webpage.
2. Write basic Scripts.
3. Add interactive to a web page.


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B.Sc.-Physics
Programme Outcome and Course Outcome
Programme Outcome

- Bachelor of Science help students to get-
1. B.Sc. helps students to acquire a solid foundation of knowledge in their chosen scientific disciplines
 2. Develop Scientific enquiry and Critical thinking
 3. Students will gain practical laboratory skills, experimental techniques, data collection and analysis

Programme specific outcome

- Bachelor of Science in physics helps students to get-
1. Theoretical knowledge, Methodologies and cutting-edge research in physics
 2. It helps to develop critical thinking and problem-solving skills
 3. Develop effective communication skills and able to communicate complex scientific ideas

Course learning outcomes

B.Sc. 1 YEAR

Course Title-Thermodynamics and statistical physics: - [Major-1]

Course code-S1-PHYS-1T

- 1.The course would enable the students to understand basic physics of heat, energy and related Radiation and matter.
2. Students will understand, “how law of thermodynamics is used and improving their behavior of thermodynamic knowledge.

Course Title-Mechanics and General properties of matter -[Major-2/Mi/OE]

Course code- S1-PHYS-2T

- 1.The students will acquire the knowledge of basic mathematical methods to solve the various problems.
- 2.The course would empower the students to develop the idea of behavior of physical bodies.

B.Sc. II Year [Major-1]

Course Title-waves and optics

Course code-S2-PHYS-1T

- 1.To understand various optical phenomenon, principles and their working applications.
- 2.To explain several phenomena of daily life that can be explained as wave phenomenon.

Course Title-Electricity, magnetism and electromagnetic theory-(Mj-2/Mi/OE)

Course code-S2-PHYS-2T

- 1.To understand the basic concepts of electricity and magnetism with their applications
- 2.To understand the concept of electromagnetic waves and their reflection and refraction from a plane of surface.

B.Sc. III year

Course Title-Quantum, atomic and molecular physics-[MJ-1]

Course code-S3-PHYS-1D

- 1.To understand the necessity of quantum mechanics and its applications.
- 2.To Explain the atomic structure and molecular spectra and Raman spectroscopic technique.

B.Sc. III year

Course Title-Solid state physics and electronics-[Mj-2]

Course code-S3-PHYS-1Q

- 1.To understand the structure of solids, lattices and their properties such as specific heat, electrical and thermal conductivity.
- 2.To develop the theoretical understanding of operations of diodes and transistors.

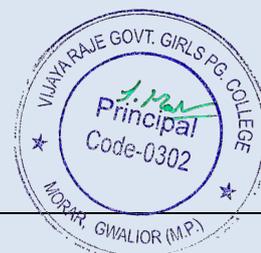
B.Sc. III year

Course Title-Quantum mechanics and solid-state devices-[Mi/OE]

Course code-S3-PHYS-2T

- 1.To understand the necessity of quantum mechanics and its applications.
- 2.To develop the theoretical understanding of operations of diodes and transistors.


CO-ORDINATOR



B.Sc. Zoology
Programme outcome and Course Outcome
Programme Outcome

- Bachelor of Arts help students to get: -
- Graduates will acquire a solid foundation of knowledge in their chosen Discipline.
 - They develop a comprehensive understanding of key concepts, theories, historical development in their discipline.
 - Develop Critical thinking skills, enabling them to analyze, evaluate and interpret information's and texts.
 - Acquire a strong written and oral communication skills.

Programme specific outcome

1. Students develop a comprehensive understanding of animal biology and its various disciplines
2. They acquire knowledge of animal anatomy, physiology, taxonomy, ecology, behavior and evolution
3. They develop skills in animal conservation, animal husbandry and ethical considerations in animal research

**B.Sc. I Year
Course Outcome**

Course title -Animal Diversity (Invertebrates)- Major Paper 1

Course code-S1-ZOOL1T

Students will be able to-

- to impart elementary knowledge of Zoological nomenclature and International code.
- to classify the Animal Kingdom upto Phylum and their Phylogeny.
- to summarize external and internal characters and their ecological role.
- to know about the life history of different animals, their larval stages and its importance.

**Course Title: Cell-Biology, Reproductive Biology and Developmental Biology-
Major paper II/Minor/Open Elective**

Course code- S1-ZOOL2T

Students will be able to-

- to understand the structure and purpose of Prokaryotic and eukaryotic cells, macromolecules, membranes and organelles.
- to describe the evolution, diversity and reproduction of cells.
- to locate, evaluate and synthesize evidence related to reproductive biology.

**B.Sc. II Year
Major Paper I**

Course Name: Introduction to Chordates and Comparative Anatomy

- Students will come to know about diversity and classification of chordates upto order and their structure, habit, habitat and distribution.
- about the significance of the differences in physiological systems between the vertebrates.
- about comparative anatomy of vertebrates in terms of integument.

Major Paper II/Minor/Open Elective

Course Name: Physiology and Biochemistry

Course Code: S2-ZOOL2T

- Students will come to know about interpretation of different bio-molecules, enzymes, vitamins, and minerals and their biological importance.
- to interpret structure- functional relationships between carbohydrates, protein and lipid..
- about mechanism of respiration, excretion and immune system.

**B.Sc. III Year
Major Paper I
Discipline Specific Elective**

Course Name: Agriculture

Course Code: S3ZOOLID

- about traditional knowledge of aquaculture including strategies, policies and various resources.
- about the techniques involved in different forms of Aquaculture like Prawn, Oyster, and Fish.
- demonstration about different feeding techniques and their significance.

Major Paper II

Course Name: Wild Life Conservation and Management

Course Code: S3ZOOL2D

- Students get to know about values of wildlife, valuable products and various conservation.
- Students come to know about national parks, Sancturries, and Biosphere Reserves.
- various methods adopted for population and density estimation of wild animals.

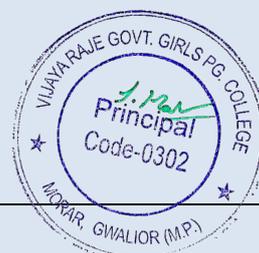
Minor/Open Elective

Course Name: Genetics

Course Code: S3ZOOL2T

- Students get to know through the basics of genetics covering all classical concepts of Mendelian genetics across these life spans.
- Students get exposed to genes and chromosomes, genetic disorders.
- Students come to know about relationships between genetic inheritance and behaviors.


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B.Sc. Microbiology
Programme outcome and Course Outcome
Programme Outcome

- Bachelor of Science help students to get-
1. B.Sc. helps students to acquire a solid foundation of knowledge in their chosen scientific disciplines
 2. Develop Scientific enquiry and Critical thinking
 3. Students will gain practical laboratory skills, experimental techniques, data collection and analysis

Programme specific Outcome

1. Students develop a comprehensive understanding of microorganisms, their structure, physiology, genetics and ecological roles
2. They also develop skills in microbial research, data analysis, experimental design
3. Students enhance their understanding of infectious disease, immunology and biotechnology applications of microorganism

**B.S.C 1st YEAR
MICROBIOLOGY
PART A**

Course code – S1 – MBI01T

Course Title – General Microbiology and Cell Structure.

Course Learning Outcome - 1. Indian Traditional knowledge and historical background of Microbiology.

2. Structure and Transmission of Viruses.
3. Cell Structure and Cell Organization of

Bacteria.

Course code – S1 – MBI02T

Course title – Microbial Techniques

Course Learning outcome -

1. Recall the basic lab glassware to be used in the laboratory.
2. Summarize different method of Sterilization and isolation of pure cultures.
3. Understand the working of different kinds of instruments and microscopes.

B.S.C 2nd YEAR MICROBIOLOGY

Course code – S2-MBIO1T

Course Title – Microbial Physiology and Metabolism(Paper 1)

Course Learning Outcome –

- 1.Role of Various Biomolecules.
- 2.Structure and Metabolism of Carbohydrates.
- 3.Structural and Metabolism of Amino acids and Protein.
- 4.Mechanism of Enzyme action.

Course code – S2 – MBIO2T

Course Title – Microbial Diversity and Growth

Course Learning Outcome –

1. Classify bacteria into groups and their salient characteristics.
2. Describe the nutritional requirements of bacteria for growth.
3. Understand viruses and Viral Diseases.
4. Know about diversities in Fungi and Algae.

B.S.C 3rd YEAR MICROBIOLOGY

Course Code – S3 – MBIO1D

Course Title – Microbial Genetics and Molecular Biology Group – A – Paper

Course Learning Outcome –

1. Developed basic understanding of Genetics material present in the cells.
2. Integrate Knowledge of general principles of Replication, Transcription, and Translation.
3. Employ knowledge about mutation and their repair Mechanisms.

Course Code – S3 – MBIO2D

Course Title – Food Microbiology.

Course Learning Outcome –

1. Apply Fundamental Principles and Methods of Food Preservation.
2. Identification thr types of Microorganisms present in various foods and their role in preservation and causing spoilage of fresh produce and processed food products.

Course Code – S3 – MBIO3D

Course Title – Industrial Microbiology (Theory)

Group – B – Paper – 1

Course Learning Outcome –

1. Formulate Strategies of Strain improvement of Microorganism Production.
2. Explore avenues of Industrial Microbiology.
3. Appreciation of how Microbiology is applied in manufacturing of day to day Industrial Produces like alcohols, organic acids, solvents, antibiotics, paper and textiles.


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PO, PSO AND CO OF. BHSC. & B.A. (HOME SCIENCE)

B.H.Sc. & B.A.

Programme outcome and Course Outcome

Programme Outcome

- Bachelor of Home Science and Arts help students to get: -
- Graduates will acquire a solid foundation of knowledge in their chosen Discipline.
- They develop a comprehensive understanding of key concepts, theories, historical development in their discipline.
- Develop Critical thinking skills, enabling them to analyze, evaluate and interpret information and texts.
- Acquire a strong written and oral communication skills.

Programme specific Outcome

Students develop knowledge of various aspects related to home management, nutrition, family dynamics and child development they get knowledge of nutrition and its impact on health, food science, textile and clothing, human development , interior design and resource management

(OPEN ELECTIVE)

B.H.Sc. IIIrd Year & B.A. IIIrd Year

COURSE TITLE- DEVELOPMENTAL CHALLENGES IN HUMAN DEVELOPMENT

COURSE CODE – H3-HSCBIG

On successful completion of this course. Students will able to –

- (1) Define and understands the stages of human life.
- (2) Define the Developmental Behavior and psychological problems during lifespan development.
- (3) Describe methods to care with stress and explain ways to increase Happiness in the society.
- (4) Understand the field of counseling's and perceive it as career option.

B.H.Sc. IInd Year & B.A. IInd Year

COURSE TITLE- FOOD PRODUCT DEVELOPMENT-OPEN ELECTIVE

COURSE CODE – H2-HSCAIG

Course Learning Outcomes (CLO) - Students will able to –

- (1) Transform a product from its original state to a more valuable state.
- (2) Know to enhance nutritive value by local food products.
- (3) Student can be to prepare value added new food products and commercialize it.
- (4) This subject also helps to combat malnutrition's

B.H.Sc. IInd Year

COURSE TITLE- FOOD PROCESSING VEVERAGES MANUFACTURING AND MANAGEMENT- VOCATIONAL COURSE CODE- V2-FOD-FPPT

Course Learning Outcomes (CLO) – After studding this course the Students will able to

- (1) Characterize the different categories of food beverages.
- (2) Develops knowledge of quality control in food & Beverages manufacturing.
- (3) Understand the technology of Beverages manufacturing.
- (4) Cain insight in to the Waste management in Beverage industries.

B.A. Ist Year

COURSE TITLE-FAMILY RESOURCE MANAGEMENT & HOME FURNISHING COURSE CODE – AI-BAHS1T

Course Learning Outcomes (CLO) —

- (1) Understand the meaning of management and can be a successful manager.
- (2) Differentiate between right and wrong after learning the family values.
- (3) Understand use and importance of all the family resources life time, money and change properly.
- (4) Demonstrate skill in the home management and interior decoration.

(MAJOR-1)

B.A. IInd Year

COURSE TITLE--HUMAN DEVELOPMENT

COURSE CODE – A2-BAHS1T

Course Learning Outcomes (CLO) —

- (1) Understand the meaning of human development.
- (2) Get acquainted with all the stages and development of life span.
- (3) Understand the meaning and significance of marriage, marital adjustment and family relationship.
- (4) Sensitize for adulthood and old age.

(MAJOR-2)

B.H.Sc. Ist Year

COURSE TITLE-FUNDAMENTAL OF TEXTILES

COURSE CODE – HSCA2T

Course Learning Outcomes (CLO) — Completion of this course student will able -

- (1) Understands and define the key textile terms.
- (2) Describe textile fibers in terms of their production and properties.
- (3) Recall various dyeing printing and finishing techniques.
- (4) Also able to open her own boutique.

B.A. Ist Year

**COURSE TITLE-FUNDAMENTALS OF TEXTILES AND CLOTHING- MAJOR-1
COURSE CODE – A1-BAHS2T**

Course Learning Outcomes (CLO) —

- (1) Get knowledge about fabric construction and finishing processes.
- (2) Learn various dyeing and printing methods.
- (3) Define basic sewing terminologies.
- (4) To select the appropriate clothing for various stages and occasions in life.

B.H.Sc. Ist Year

**COURSE TITLE-FOOD & NUTRITION-MAJOR-1
COURSE CODE –H1-HSCA1T**

Course Learning Outcomes (CLO) —

- (1) Explain the basic nutritional concepts. Understand role of different nutrients in body.
- (2) Identify food groups and sources of nutrient.
- (3) Understand nutritional aspects and orient to words subject related job programme.
- (4) Will also acquainted with low cost and high nutritive value foods and to combat malnutrition in society.

B.H.Sc. Ist Year

**COURSE TITLE-FAMILY RESOURCE MANAGEMENT-MINOR
COURSE CODE-H1-HSCB2T**

Course Learning Outcomes (CLO) —

Understanding of management process, decision making, resources, values & goal setting is very essential for happy & healthy family & society. This course would empower the students to develop a clear vision about resources management. The student will acquire the knowledge.

- (1) The concept of family resource management.
- (2) The process of management in the scientific manner for the use of resources.
- (3) Understanding meaning of human values & standards in successful management & decision making.
- (4) Effective management of time, energy, money & work simplification.

B.H.Sc. Ist Year

**COURSE TITLE-FOOD PRESERVATION & PROCESSING-
VOCATIONAL
COURSE CODE-V1-FOO-FPPT**

Course Learning Outcomes (CLO) — After studying this course, the students will be able to -

- (1) To study the different ways in which modern technologies in food preservation & processing techniques.
- (2) To know the different food quality control assessment in food preservation techniques.
- (3) To understand the principals behind the various methods of food preservation.
- (4) To know how to use their principals to preserve different types of foods.
- (5) To maintain the shelf life of food products.

B.H.Sc. IInd Year

**COURSE TITLE-NATRITIONAL BIOCHEMISTRY AND
PHYSIOLOGY- MAJOR-1**

COURSE CODE-H2-HSCA1T

Course Learning Outcomes (CLO) —

- (1) Understand the biochemical process by which nutrients functions, metabolize and excreted by the body.
- (2) Understand the basic phenomenon of nutrient absorption assimilation in healthy body.
- (3) Correlate deficiency and excess of nutrients with the symptoms of diseases.
- (4) Understand physiological process and its relation to nutrition.

B.H.Sc. IInd Year

**COURSE TITLE-FUNDAMENTALS OF CLOTHIGS
CONSTUTION- MAJOR-2**

COURSE CODE-H1-HSCA2T

Course Learning Outcomes (CLO) — On the successful completion of this course the students will be able to -

- (1) To understand basic sewing concepts & sewing equipment's.
- (2) To develop skill in basic sewing techniques.
- (3) Identify the common fabrics used for clothing Making.
- (4) Utilize design components in garment making.
- (5) Gain an insight of various sewing machines & other sewing equipment's available in the market, their functioning & common problems faced while usage.
- (6) understands various garments making process.

B.H.Sc. IInd Year

COURSE TITLE -INTERIOR DECORATION- MINOR-2 COURSE CODE-H2-HSCB2T

Course Learning Outcomes (CLO) — Interior decoration in the art of decorating a home or commercial place. Knowledge of elements & principals of design would help a student in the field of interior decoration. By studying this course the students will be able to -

- (1) Understand elements & principles of design & refine personal catholic sense.
- (2) Understand role of furniture's, soft furnishing, accessories, flower decoration & lighting in interior.

B.H.Sc. IIIrd Year

COURSE TITLE-NORMAL AND THERAPEATIC NUTRITION- MAJOR-1 COURSE CODE-H3-HSCA1D

Course Learning Outcomes (CLO) — On successful completion of this course the students will be able to -

- (1) Understand the importance and principal of nutrition care.
- (2) Develop the ability to modify normal diet for therapeutic purposes.
- (3) Understand the metabolic changes, clinical symptoms and dietary management of same diseases.
- (4) Imbibe the skill to plan, prepare and serve therapeutically modified diet in diseases.

B.H.Sc. IIIrd Year

COURSE TITLE-PUBLIC HEALTH AND NUTRITION-MAJOR-2 **COURSE CODE-H3-HSCA2D**

Course Learning Outcomes (CLO) — On successful completion of this course the students will be able to -

- (1) Understand the role of nutrition and health in national development.
- (2) Understand nutritional problems prevalent in India and the role of national nutrition policy and national and International agencies to overcome malnutrition.
- (3) Develop the skills to educate people for good eating habits and stay healthy.

B.H.Sc. IIIrd Year

COURSE TITLE-APPAREL CONSTRUCTION-MINOR **COURSE CODE-H3-HSCA2T**

Course Learning Outcomes (CLO) — On successful completion of this course the students will be able to -

- (1) Know the requirements for apparel construction.
- (2) Explain drafting and pattern making method.
- (3) Explore the skills of apparel construction.
- (4) Adopt basic block to different designs.
- (5) Evaluate fitting of the garment.


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PO, PSO AND CO OF B.LIB.I.SC.

BACHELOR OF LIBRARY & INFORMATION SCIENCE COURSE (B.Lib.& I.Sc.)

Bachelor of library and information science (B. Lib. I. Sc.) is one year professional degree course, student can choose this course after completing graduation in any discipline. Syllabus of this course comes under umbrella of unified syllabus for undergraduate programs.

In light of The National Education Policy (NEP) 2020, course is re-design and re-shaped the curriculum.

The overall aims of Bachelor's degree programme in Library and Information Science are-

- (a) To provide students with learning experiences that help to instill deep interests in learning Library and Information Science; develop broad and balanced knowledge and understanding of fundamental concepts, principles, and theories related to Library and Information Science.
- (b) To equip students with skills essential to carry out library housekeeping activities and to provide various library and information services using Information and Communication Technologies.

B.Lib.I.Sc. Programme Learning Outcomes

The programme learning outcomes relating to Bachelor's degree in Library and Information Science may include the following:

- (a) Demonstrate in depth knowledge of the basic concepts, principles, theories and laws related with the broad field of Library and Information Science and its sub-fields such as types of libraries, types of information sources, library management, reference and information services.
- (b) Demonstrate understanding of rationality and procedures of
 - (i) Selection, acquisition, classification, cataloguing and physical processing of documents;
 - (ii) Using Information and Communication Technologies in Libraries and Information Centres;
 - (iii) Providing library and information services and managing other library routine activities.
- (c) Apply skills in carrying out professional activities such as -
 - (i) Acquisition, accessioning, classification, cataloguing, and physical processing of documents;
 - (ii) Housekeeping operations using library management software and Information and Communication Technologies;

COURS OUTCOME

COURSE TITLE: - Foundations of Library and Information Science- Major Paper 1

COURES CODE: - M1LIBA1T

1. Understand the concept of Library and Information Science.
2. Understand the purpose, role and importance of libraries in society.
3. Classify libraries on the basis of their purpose and functions
4. Understand laws and acts related to libraries and information.
5. To create the ability to evaluate the current scenario and modern trends in Library and Information Science education and Library and Information centres.
6. Assess the role of national and international library associations and organizations.
7. Understand the role of various library promoters at the national and international level.
8. Understand librarianship as a profession.

COURSE TITLE: - Library Management - Major Paper 1
COURSE CODE: - M1LIBA12T

After Studying this paper, students shall be able to :

1. Understand the Fundamentals of Management.
2. Understanding the policies and Process of Libraries, routine activities of libraries.
3. Assimilate the concept of Financial Management and Human Resource Management.
4. To make the Students understand the Management technique in organisation of Library and Information Centres.
5. Knowledge of Marketing Management.

COURSE TITLE: - LIBRARY CLASSIFICATION- Major Paper 2
COURSE CODE: - M1LIBB1T

1. Explain the nature and attributes of universe of knowledge
2. Elaborate meaning and types of subjects and modes of subject formation.
3. Express the meaning, purpose, functions, theories and canons of library classification.
4. Elucidate various facets of notation and call number.
5. Discuss the characteristics, merits and demerits of different species of library classification schemes.
6. Highlight salient features of major classification schemes.

COURSE TITLE: - LIBRARY CATALOGING- Major Paper 2
COURSE CODE: - M1LIBB2T

- 1 Understand the concept of library catalogue.
2. Understand the main and added entries of library catalogue.
- 3 Understand various approaches of deriving subject headings.
4. Know about the normative principles of cataloguing.
5. Explain the current trends in library cataloguing.
- 6 Review current trends in library classification.
7. Know the standards for bibliographic interchange and communication.
- 8 Understanding the need for standardization in cataloguing.

COURSE TITLE: - LIBRARY CLASSIFICATION PRACTICE- Major Paper 3
COURSE CODE: - M1LIBC1T

Course Learning outcomes

After studying this paper, students shall be able to :

1. Construct class number for documents with simple, compound and complex subjects.
2. Synthesize class numbers by using the DDC -19thed.
3. Be able to use schedule, tables and index of the classification scheme.
4. The student will get knowledge of how to use relative index in classification scheme.

COURSE TITLE: - LIBRARY CATALOGING PRACTICE- Major Paper 3

COURSE CODE: - M1LIBC2T

- 1 Knowledge of the catalogue codes and standards and create library catalogue.
- 2 Prepare catalogue entries for various types of information sources
- 3 Derive subject headings using sear's list of subject heading.

COURSE TITLE: - INFORMATION SOURCE SYSTEM AND SERVICES- Major Paper 4

COURSE CODE: - M1LIBD1T

- 1: Different types of information sources, e-books, databases and institutional repositories
- 2: Evaluation various types of information sources
- 3: Access to the electronic resources,
- 4: Nature and functions of various national and international information systems and networks
- 5 : Concept of library resource sharing and consortia

COURSE TITLE: - INFORMATION AND COMMUNICATION TECHNOLOGY- Major Paper 4

COURSE CODE: - M1LIBD2T

1. Understand the structure of computer and functions of its various units
2. Plan and implement automation in library housekeeping operations and services
3. Evaluate various library management softwares.
4. Identify and state the features of telecommunication channels, modes, media, modulation, standards and protocols.
5. Highlight the nature and components of computer networks and their protocols and standards.
6. Discuss of Internet, search engines and network security.
7. Examine the concept of library networks and highlight their types and importance.

COURSE TITLE: - Course Learning outcomes- ELECTIVE PAPER

COURSE CODE: - M1LIBA1Q

On completion of this course, learners will be able to:

1. Create, edit and manage files using Word Processing, Spread Sheet and Power Point presentation software.
2. Carry out library housekeeping operations using library management software
3. Generate different types of report using library

management software

4. Search information from internet and databases adopting suitable search strategies
5. Find bibliographic information from Web OPAC, World Cat, Ind Cat

COURSE TITLE: - DATA ANALYSIS PRACTICAL - ELECTIVE PAPER

COURSE CODE: - M1LIAE1P

1. To develop the data analysis skill
2. Create, open and view a workbook.
3. Enter, edit data, save and print workbooks.
4. Modify a worksheet and workbook.
5. Learn to use functions and formulas.
6. Create and edit charts and graphics.
7. Filter and sort table data.
8. Create pivot tables, spreadsheet tools.
9. Creates and edits charts in Excel.
10. Learn to use Macros in excel.

COURSE TITLE: - DIGITAL LITERACY PRACTICAL- ELECTIVE PAPER

COURSE CODE: - M1LIBA1R

- 1 understanding basics of digital devices.
- 2 use digital devices for accessinf creating managing and sharing information
- 3use internet and communicate effectively
- 4appreciate role of digital technology in everyday life
- 5 carry out cashless digital transsaction using upi


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PO, PSO AND CO OF M.A. SOCIOLOGY

MA-Sociology Programme Outcome and Course Outcome Programme Outcome

- Master of Arts help students to get-
 - Expertise and in-depth knowledge in particular discipline.
 - Familiarized with latest trends in particular subject.
 - Skilled to analyze, evaluate and validate problems.
 - Opportunity for research after completing the course.
 - Careers according to their area of interest.

Programme specific outcome

1. To gain the knowledge of sociological theories and research methods enabling them to conduct empirical studies and analyzing social issues
2. To understand to fundamental of sociological concepts perspective and methodological concern
3. To gain the ability to apply domain specific knowledge to explain the contemporary issues of social relevance in local regional and global context.
4. Student is equipped with the skill and expertise of designing and conduct social research using Ethical means of collecting and analyzing primary and secondary sources of data.
5. Students of Sociology possesses valuable skills in social service advocacy research, policy analyzing human resources etc.

M.A. I / II Sem

Paper 101/201-Classical Sociological Traditions

In this paper student learns the sociological thought process because the thought is made a concept. Why society is necessary for human being. Since the primitive society human thought is continually existing.

M.A. I / II Sem

Paper 102/202-Methodology of social research:

1. Attempt to sensitize post-graduation students to develop a critical outlook at the existing perspectives and methods and to evolve conceptual clarity, which can lead them in their future research.
2. Teaching certain quantitative methods, statistical techniques and qualitative method to collect and analyze the data would help them organize and analyze the information gathered by them.
3. The students with this course will have many jobs opportunities and academic, fundamental and policy making, research project undertaking both government and non-government organization.

M.A. I / II Sem

Paper 103/203-Urban Society in India

To understand the Improved Standard of Living, Changing occupational structure and its Impact on Urban Planning and problems.
Evaluate the urban Crime Unemployment and Housing Problem.

M.A. I / II Sem

Paper 104/204-Rural Society in India

To Understand the Basic Characteristic of Agrarian and Peasant Society, Family, Caste, Religion in Rural Society
To know Globalization and its impact on agriculture
to Evaluate the rural Poverty, Migration and landless labors, agrarian movement of India

M.A. I / II Sem

Paper105/205- Sociology of Kinship marriage and family

- 1.To demonstrate the universally acknowledge social importance of kinship ties and families them with which diversity in types of networks of relationships created by genealogical links of marriage others social price.
- 2.To show to the students how the studies of kinship system in different ethnographic setting can facilitate a comparative understanding of societies and social institutions

M.A. I / II Sem

Paper106/206- Social demography

1. To understand how birds and migration affect population change
2. To Compare the theories of fertility and mortality differential
3. To Know demographic changes and social policy developments that have implication of all people
4. Evaluate the use of demographic concepts and population theories to explain past and present population characteristic.

M.A. III /IV Sem

Paper-1-301/401-Theoretical perspectives in sociology:

To understand the theoretical significance and analytical utility of society, methodology and conclusions of these varied theoretical perspectives in understanding social structure and change.

To evaluate the relevance and significance of the perspectives listed for understanding society in general and society in India in particular.

Paper-2-302/402-Social Change and Development

Analyze theories, Form, Factor and origin in social change and structure. formulating social policies and programme urban cities, changing occupation and urban cities

Paper-3-305/405-Society and Culture in India

1. To Expose Students with different aspects of Indian society and culture
2. Student will develop an understanding of social and cultural and dimension of dynamic nature of society and the environment in which they live/.

Paper-4-303/403-Political Sociology

Political Sociology is the branch of sociology students learn why politics necessary for society, they learn what is leadership. How leadership makes a social structure, social function. Student learns political socialization because the political participation makes a leadership.

Paper-5-304/404-Criminology

1. Analyze theories of Crime and justice
2. To Understand the Criminal Justice system and the communities affected by it
3. Engage the critical thinking about justice in equity and public safety
4. To prepare them for professional roles of correctional agents in agencies of criminal justice, administration system, particularly and prison and other reformatory institutions

Paper-6-306/406-Industrial Sociology

Industrial Sociology is the branch of sociology student learns. Who industrial concept created by the man. How it is use full for the development of human society. Which are the minces for the rehabilitation of labor because labor is the part of modern world.

Paper-7-307/407-Social Psychology

1. Explain concepts, assumptions and approaches related to general theories of psychology which explains social behavior.
2. Identifies individual's self-perception and impression management Explains the socialization process, classifies the states of moral development and identifies at which level of moral development a person is.
3. Explains the socialization process, classifies the states of moral development and identifies at which level of moral development a person is.


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PO, PSO AND CO OF M.A. IN ENGLISH LITERATURE

MA English Literature Programme Outcomes and Course

Outcomes Programme Outcome

Master in Arts help students to get-

- Expertise and in-depth knowledge in particular discipline.
- Familiarized with latest trends in particular subject.
- Skilled to analyze, evaluate and validate problems.
- Opportunity for research after completing the course.
- Careers according to their area of interest.

Programme Specific Outcome

Master in English Literature helps students-

- To reach the level of expertise in poetry, drama, prose fiction, criticism and other genre of literature.
- To get familiarized with literary texts and its historical, geographical, social, economic and cultural context from different ages and continents.
- To give a deep understanding of literature of different countries like Britain, America, India, Canada and Australia.
- To criticize and interpret the literary text and understand in between the lines.
- To improve critical and analytical thinking by reading various books of different ages.

Course Outcomes of MA I Sem

Poetry (MA014)

- Students familiarize with different types of poetry-Epic poetry, narrative poetry, renaissance poetry and satirical poetry.
- Students get understand the characteristics of different types of poetry.
- It enhances the poetic skill as well as critical analysis of students.

Drama (MA015)

- Students get to know about the English drama and its origin.
- It also introduces them to different movements of drama.
- Students get expertise in Shakespearean drama and renaissance drama.

Fiction (MA016)

- Students get expertise in major novelists and their representative novels of English literature.
- Students get to know the novelists of different ages.
- Students familiarize with different types of novels- picaresque, historical and realistic novels.

Prose (MA017)

- Students get to know about major works by Indian writers.
- Students get expertise in biography and autobiography, political and social writing, philosophical writing and other important types of prose.
- Students understand the true value of Indian's famous leaders and philosophers.

MAII

Poetry (MA2017)

- Students familiarize with different ages of poetry and their characteristics.
- Students get expertise in romantic poetry, Victorian poetry, symbolist and modern poetry.
- Students enhance their critical and analytical thinking by reading famous work of important poets.

Drama (MA2018)

- Students get to understand major dramatist of different ages and countries.
- Students get expertise in restoration drama, modern drama, new drama and Indian drama.
- Students enhance their skills to differentiate between play and drama.

Fiction (MA2019)

- Students get to know about 19th century and modern novelists and their style of writings.
- Students get familiarize with psychological novels and the importance of mind in creating literary works.
- Students get expertise in different type of novels.

Prose (MA2020)

- Students learn annotations.
- Students get understand different styles of writers and affect of age and time in writer's works.
- Students get to know major prose writers of different ages and their representative works.

MA III

Critical Theory (MAC006301)

- Students get to know about important critical writers and their theories.
- Students get expertise in analyzing text critically.
- Students enhance their skill in evolution and history of criticism.

English Language (MAC006302)

- Students lead to greater understanding of language, its evolution and development.
- Students get expertise in pronunciation and generic grammar.
- Students get improved in various types of verbal communication.

Indian Writing in English (MAC006303)

- Students get familiarize with Indian English writers and their major works.
- Students come to know the contribution of Indian authors in English literature.
- Students enhance their knowledge in different genre of Indian English literature.

American Literature (MAC006305)

- Students get expertise in history of American literature and its major writers.
- Students familiarize with different genre of American English literature.
- Students get understand the cultural themes and literary periods of American literature

MA IV Semester

Critical Theory (MAC006401)

- Students familiarize with major critics and their theories of twentieth century English literature.
- Students get expertise in judgment and appreciation.
- Students get understand the role of theory and criticism in literature.

English Language (MAC006402)

- Students get expertise in English grammar and framing sentences.
- Students get familiarize with key concepts of linguistics.
- Students get aware of latest trends of language.

Indian Writings in English (MAC006403)

- Students get to know about the prominent Indian English Writers.
- Students get familiarize with major Hindi translated writers in English and their works.
- Students get to understand major Indian major women writers.

American Literature (MAC006405)

- Students come to know about major trends in different ages of American literature.
- Students get to understand different genres and its major writers.
- Students get familiarize with the importance of American literature and its role in forming new English literature.


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PO, PSO AND CO OF M.A. IN GEOGRAPHY

M.A. GEOGRAPHY

Programme outcome and Course Outcome

Programme Outcome

➤ Master of Arts help students to get: -

- Graduates will acquire a solid foundation of knowledge in their chosen Discipline.
- They develop a comprehensive understanding of key concepts, theories, historical development in their discipline.
- Develop Critical thinking skills, enabling them to analyse, evaluate and interpret information's and texts.
- Acquire a strong written and oral communication skills.

Programme specific Outcome

1. Students acquire of knowledge of geographic principles, theories, an analytical tool to studies and interpret patterns and processes
2. Gain proficiency in special data analysis, mapping, and geographical information system
3. Develop a deep understanding of environmental issues and natural resource management

**Master of Arts (M.A.) in Geography -
MA IST SEM.**

**COURSE TITLE-GEOMORPHOLOGY
COURSE CODE-MGEOG101**

1. Students will be Familiarized with the understanding of Geomorphology
2. Students will be prepared for few applications of Geomorphology to societal requirement.
3. Students will Understand the internal and external process of land scape evolution.
4. Students will understand Geomorphic disasters.

**COURSE TITLE- ECONOMIC GEOGRAPHY
COURSE CODE- MGEOG102**

1. Students will understand the changes in primary secondary and territory activities in recent times.
2. Students will be able to integrate the various factors of economic development.
3. Students will be capable to Contribute their role in the economic development of the country.
4. Students will be aware about World-Economic Scenario.

**COURSE TITLE-REGIONAL GEOGRAPHY OF INDIA (Physical
&Recourses) COURSE CODE-MGEOG103**

1. Student will understand the inter-regional linkages to analysis the available natural and human recourses.
2. Student will be capable to handle the development issue and programmes and policies designed for balanced regional developments.

3. Students will be capable to analyse and assess different resources of India.
4. Students will be aware about resource- Utilization and resource planning.

COURSE TITLE-HISTORY OF GEOGRAPHY THOUGHTS
COURSE CODE-MGEOG104

1. Student will be familiarized with the development of Geographic thoughts.
2. Students will be able to understand the Geographic Philosophical aspects of recent events
3. Students will be able to contribute in Research Field with help of different geographic thoughts
4. Knowledge of thoughts and philosophy will be helpful for planning purpose.

Master of Arts in Geography -
MA 2ND SEM.

COURSE TITLE-CLIMATOLOGY
COURSE CODE- MGEOE201

1. Students will understand weather phenomena and dynamics of globe.
2. Students will get knowledge about the climatic conditions and their application in the different fields.
3. Students will understand the effects of global warming on Human and Economic activities.

COURSE TITLE-RESOURCE MANAGEMENT

COURSE CODE- MGEOG202

1. Students will be able to think and manage the natural Resources. like land, water, soil and forest management.
2. Students will be Mentally prepared to promote sustainable development and its application.
3. Students will understand about conservation of different resources.

COURSE TITLE -GEOGRAPHY OF INDIA (ECONOMIC & REGIONS)

COURSE CODE- MGEOG203

1. Students will be able to understand reasonable variations and disparities in India.
2. Students will be aware about Reasonable Economic activities of India.
3. Students will learn about regional economic occupational structure.

COURSE TITLE-GEOGRAPHY OF ENVIRONMENT

COURSE CODE-MGEOG204

1. Student will aware with the inter relationship between man and Environment.
2. Students will understand environmental changes and able to know re-sortation measures.
3. Students will understand the environmental impact on human activities.

**Master of Arts in Geography -
MA 3RD SEM.**

COURSE TITLE-OCEANOGRAPHY
COURSE CODE MGEOG301

1. Students will understand the evolution, physical and chemical composition of oceanic water.
2. Students will be aware about marine resources, marine environment and its impact.
3. Students will be aware about oceanic pollution and its control measures.

COURSE TITLE -URBAN GEOGRAPHY
COURSE CODE- MGEOG302

1. Students will gain knowledge about the changing base and structure of the cities.
2. Students will be aware about the urban issues and prepare to solve them efficiently.
3. Students will be able to use Knowledge in research in the field of Urban Geography.

COURSE TITLE-GEOGRAPHY OF TOURISM
COURSE CODE-MGEOG303

1. Students will understand the various aspects of tourism and how to promote tourism in the country.
2. Students will understand the role of tourism in the regional development
3. Students will be aware about Tourism related problems and their solutions.

COURSE TITLE-AGRICULTURE GEOGRAPHY
COURSE CODE-MGEOG304

1. Students will be Familiarised with the origin and development of agriculture, agricultural practices and agricultural methods.
2. Student will be capable to solve the environment and social issues related with agricultural.

**Master of Arts in Geography -
MA 4TH SEM.**

COURSE TITLE-RESEARCH METHODOLOGY IN GEOGRAPHY
COURSE CODE-MGEOG401

1. The student will inspire to contribute their knowledge for the development of Geography.
2. Students will be prepared to generate new hypotheses and theories related with the field of geography
3. Student will be prepared appropriate development plan on the basis of appropriate research methods in Geography.

COURSE TITEL-GEOGRAPHY OF POPULATION
COURSE CODE-MGEOG402

1. Understanding of spatial and structural dimensions of population will be developed.
2. Student will be aware about the regional, national and global population related problems and their solutions.
3. Student will able to understand the role and relationship between population and environment.

COURSE TITLE-Regional Planning and Development
COURSE CODE-MAC007405

1. Understand helps to acquire fundamental concepts of regional geography
2. Analyse different approaches to delineating and classifying regions and their utility in region planning
3. Helps to develop the concepts of multilevel planning and peoples participating in planning process

COURSE TITLE-GEOGRAPHY OF HEALTH
COURSE CODE-MAC007404

1. Study the nature and significance of health geography
2. Acquire the skills gather and analyse disease through data
3. Explore the impact of pollution on public health


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PO, PSO AND CO OF M.A. IN DANCE

Master of Arts

Master of Arts with Dance Kathak help students to get: -

- To develop the ability to analyse and critically examine the various national Dance Kathak issues.
- To gain knowledge of National and international Dance Kathak problems, policies and remedies.

Programme specific Outcome

Students develop an understanding of dance theories, history and choreography

PG in dance possess valuable skills for careers as professional dancers, choreographer, dance educator etc.

M.A. DANCE (Out Come)

SEMESTER – I

PAPER – I

University Course - 101

(HISTORY OF INDIAN DANCE ART)

On successful completion of this course. Students will able to –

- (1) Pragetihashik Priod, Vedic period, Mahabharata period, Puran period.
- (2) According to Acharya Bharat Natya shastra study of creation of Natyabheda, Natyavadana and importance of Natya, Origin development and Religious, Social importance of Folk Dance.
- (3) Study of disjointed hands including appropriation according th Acharya Nandikeshwar Anhinay Darpan.
- (4) General study of Abhinay Darpan and contribution of Guru's – Pt. Bindadin Maharaj, Pr. Acchan Maharaj, Pt. Lacchu Maharaj, Pt. Shambhu Maharaj.

SEMESTER – I (Out Come)

PAPER – II

University Course - 102

(ESSAY WRITING AND TAALLIPI STRUCTURE)

On successful completion of this course. Students will able to –

- (1) Essay on topics related to Kathak Dance - History and development of Indian Dance, Dramatization, Grurushishya Tradition in Kathaknriya – Origin, development and current status of Kathak Dance.
- (2) To transcribe the Lyrics and Restrictions learned in teentaal into Rhythmic script.
- (3) Taal Rupak, Taal Dhamar writing Down Bolbandishes.
- (4) Kahtak Dance flage presentation, study of Solahsringhar and Barah Abhushan.
- (5) Study of Bhavpaksha – Gatbhav, Thumribhav and Vandhnabhav.

M.A. DANCE (Out Come)

SEMESTER – I

University Course - 103

(VIVA PRACTICAL)

On successful completion of this course. Students will able to –

- (1) Teentaal in Nratyabhyas – Practice Tihai -
Toda, Amad, Paran, Kavitt and (Tishra, Mishra, Chaturas, Jaati)
- (2) Taal Rupak, Taal Dhamar in Nraty Bhavas –
Tode, Prans, Aamad, Kavitt and Practice Tihais
- (3) Gatnikas – Type of Ghugat, Chhutt, Murli
Gatbhav - Paniharin
- (4) Expression in Dance – Thumari, Bhajan, Vandhnabhav

M.A. DANCE (Out Come)

SEMESTER – I

University Course - 104

(STAGE PERFORMANCE PRACTICAL)

On successful completion of this course. Students will able to –

- (1) To perform independently in any one of the Taal of the practical course
before an invited audience.
- (2) Presentation of Gatnikas and Gatbhav.
- (3) Highest prasentation of Tatkar.
- (4) Kathak Dance Expression – Thumari, Bhajan
- (5) Disjointed Hands experimental presentaion.

M.A. DANCE (Out Come)

SEMESTER – II

PAPER – I

University Course - 201

(HISTORY OF INDIAN DANCE)

On successful completion of this course. Students will able to –

- (1) According to Acharya Bharat, study of Ras Nispatti theory and explanation of its Variable Formula.
- (2) Study of Navarasa and Importance of Kathak Dance.
- (3) Complete study of theater production Method according to Acharya Bharat.
- (4) Study of difference between Nayak Nayika and their importance in Kathak Dance.
Nartan Bheda Drama, Dance and study of Dance.
- (5) According to Abhinay Darpan, Joint hand Postures, Shloka along with name and explanation along with viniyoga.

SEMESTER – II (Out Come)

PAPER – II

University Course - 202

(ESSAY WRITING AND CREATIVE STUDIES)

On successful completion of this course. Students will able to –

- (1) Essay topics: Drama, Dance and Nritta Nritya of Darshan.
Importance of Navarasa Nayika Bheda and Abhinay Bheda in Kathak Dance.
- (2) Practice of writing Bol Bandishes in Teen Taal.
- (3) Practice of writing Boal Bandishes in Taal Sabhri.
- (4) Practice of writing Bol Bandkishes in Taal Tivra and Dhamar.
- (5) Contribution of Gurus in the development of kathak dance –
Pt. Jai Lal Maharaj, Pt. Narayan Prashad, Vidushi Sitara devi and Pt. Sukhdev Maharaj

M.A. DANCE (Out Come)

SEMESTER – II

University Course - 203

(VIVA PRACTICAL)

On successful completion of this course. Students will able to –

- (1) Vandhna Bhav Dance on Guru Vandhna and Shlokas based on any Devi Devtas.
- (2) Practice of Bol Bandish in Teen Taal and Savari.
(Aamad, Toda, Paran, Kavitt and Tihai)
- (3) Dance Practice in Taal Tivara, Taal Dhamar -
(Aamad, Tode, Pran, Kavitt and Tihai)
- (4) Gatnikas and GAtt Bhav – Chutt, Ruksar, Bindiya, Matki and Hari Abhyas.
- (5) Highest Presentation of Tatkar – Kathak Dance expression – Thumari and Bhajan.

M.A. DANCE (Out Come)

SEMESTER – II

University Course - 204

(STAGE PERFORMANCE PRACTICAL)

On successful completion of this course. Students will able to –

- (1) Completer Dance performance in Teen Taal and Sawari Taal in front of Invited Audience..
- (2) Presentation of Gatbhav and Gatnikas.
- (3) Highest prresentation of Tatkar and Laggi, Ladi.
- (4) Expressions in Kathak Nritya Thumri and Bhajan.
- (5) Experimental Demonstration of Sanyukt Hast Mudras.

M.A. DANCE (Out Come)

SEMESTER – III

PAPER – I

University Course - 301

(HISTORY OF INDIAN DANCE)

On successful completion of this course. Students will able to –

- (1) Study of 108 karanas, 32 Angharas, 8 satwik Bhav, 8 Sthai Bhav, 33 Sanchari Bhav according to Acharya Bharat Natyashastra.
- (2) Study of Raas Leela and Vratti.
- (3) Contributions of Darwaar's :- Luckhnow and Raigarh.

SEMESTER – III (Out Come)

PAPER – II

University Course - 302

(ESSAY WRITING AND CREATIVE STUDIES)

On successful completion of this course. Students will able to –

- (1) Contributions of Raaj Darwar.
- (2) Transcribing lyrics in Teen Taal, Sikhar Taal and Rudra Taal.
- (3) Taal Lipi Adhyan :- Pt. Vishnu Narayan Bhatkhande, Pt. Degambar Palushkar.

M.A. DANCE (Out Come)

SEMESTER – III

University Course - 303

(VIVA PRACTICAL)

On successful completion of this course. Students will able to –

- (1) High level performance in Taal's.
Shikhar Taal, Rudra Taal and Teen Taal
- (2) Gat Nikas, Gat Bhav and Various Laykari.
- (3) Triwat, Chaturang, Thumari and Bhajan

M.A. DANCE (Out Come)

SEMESTER – III

University Course - 304

(STAGE PERFORMANCE PRACTICAL)

On successful completion of this course. Students will able to –

- (1) Before an invited Audience –
Shikhar Taal, Rudra Taal, Gat bhav
- (2) Presentation Expression Dance –
Triwat, Chaturang Thumari, Ghazal and Bhajan.

M.A. DANCE (Out Come)

SEMESTER – IV

PAPER – I

University Course - 401

(STUDY OF INDIAN ART)

On successful completion of this course. Students will able to –

- (1) According to Acharya Bharat Natya Shastra – Poorva Rang.
- (2) According to Abhinaya darpan – Devhast, Das Avatar, Navgrah has, Bandevhas, Sthanak, Chari, Pad and mandal.
- (3) Taal Dus Prans.
- (4) Study of Classical Dance.

SEMESTER – IV (Out Come)

PAPER – II

University Course - 402

(ESSAY WRITING AND CREATIVE STUDIES)

On successful completion of this course. Students will able to –

- (1) Poorva Rang, Lay Taal, Guru Shishya, Hast Mudra.
- (2) Practice of Taal – Gaj Jhampa, Basant Taal and Teen Taal.
- (3) Pachwati, Dropati, Vastra Haran, Makhan Chori.

M.A. DANCE (Out Come)

SEMESTER – IV

University Course - 403

(VIVA PRACTICAL)

On successful completion of this course. Students will able to –

- (1) Highest presentation – Dal Badal, Kadak Bijli etc.
- (2) Highest presentation – Gaj Jhampa, Mat Taal, Basant Taal
- (3) Highest expression in Dance – Gat Nikas, Gat Bhav, Triwat Chaturang and Makhan Chori.

M.A. DANCE (Out Come)

SEMESTER – IV

University Course - 404

(STAGE PERFORMANCE PRACTICAL)

On successful completion of this course. Students will able to –

- (1) Teen Taal, GajJhampa, Mat Taal and Basant Taal, highest performance – Dal Badal, Kadak Bijli, Chopalli etc.
- (2) Bav Nritya – Thumari, Bhajan, Trivat, Chaturan, Gazal etc.
- (3) Highest of Tatkar.
- (4) Project Work.


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PO, PSO AND CO OF MASTER OF PSYCHOLOGY

MA Psychology

Programme Outcomes and Course Outcomes

Programme Outcome

Master of Arts helps students to get-

- Expertize and in depth knowledge in particular discipline.
- Familiarized with latest trends in particular subject.
- Skilled to analyze, evaluate and validate problems.
- Opportunity for research after completing the course.
- Careers according to their area of interest.

Programme Specific Outcome

Master of Arts in Psychology helps students-

- To reach the level of expertise in Cognitive Processes, Research methods & statistics, Psychopathology, Life span development, Psychology of Personality, Social Psychology, Educational Psychology, Clinical Psychology, Counselling Psychology and other genre of subject.
- Develop a working knowledge of psychological contents, areas and applications of psychology.
- Develop a base in cognitive psychology with the help of relevant examples of Everyday life.
- Comprehend and analyze situations in real life appropriately and enable others to Exercise in the same way.
- Appreciate and apply various theories of learning in the practical world.
- Identify the importance of experiments in the field of memory and other Cognitive aspects and analyze the way it shaped cognitive psychology
- Understanding and application of psychological principles, theories and Method different psychological areas to understand the complexity of human behavior.

Cognitive Processes-I (MA051)

- Getting theoretically and practically focused on concepts of attention, perception, memory, learning, thinking, concept formation, language formation.
- Analyze each situation rationally and take decisions better and faster than others.
- Comprehend the role of mental processing in day -to- day life for solving problems.

Research Methods and Statistics –I (MA052)

- Differential understanding of appropriate techniques to be used in various types of scientific research in social sciences.
- Analyze & comprehend research and its application.
- Design and develop the strategy, to conduct research.
- Comprehend the inter relation between parameters under study.
- Develop insight into procedural scientific steps of conducting research.

Psychopathy -I (MA053)

- Identify different types of anxiety and mood disorders, their clinical picture and management
- Analyze Impact of socio-occupational & personal functioning.
- Formulate the case with the help of psychological testing.
- Plan Therapeutic programs for management based on goals of therapy
- The students will understand signs and symptoms of psychopathology.

Life Span Development – I (MA054)

- Students will be able to know the different stages of human development.
- Students will be able to clearly understand the life span perspective.
- Students will understand how to conduct research into life span development.

Practical - (MA056)

- Students will be able to administer, analyze and interpret results from various psychological tools.
- Expanded knowledge of various assessment procedures.

- Learning regarding conduction of experiments.

MA II SEM

Cognitive Processes- II (MA2056)

- Identify the building blocks that enable students to identify their strengths and weaknesses so that they can further help others in doing so
- Cultivate cognitive skills to understand the mind and behavior.
- Explore and comprehend the concepts, principles and themes of cognitive psychology.
- Facilitate the students to develop the cognitive skills in themselves and others

Research Methods and Statistics –II (MA2057)

- The students will have skills of various methods and techniques for scientific conduct of social science research
- Students will know the principles of Research Methodology and apply research methods in psychology.
- Students will be able to design research, do sampling, data collection and report writing
- Students will have skills of various methods and techniques for scientific conduct research in psychology

Psychopathology –II (MA2058)

- The students will be able to assess the symptoms, nature, causes and Dysfunction associated with these disorders.
- They will be able to understand the intervention programs with regard to the goal of therapy.
- Develop an understanding of etiology of various mental health symptoms and illnesses.
- Develop familiarity with the usual clinical course of each specific mental illness.

Life Span Development – II (MA2059)

- Students will study how humans learn, mature, and adapt from childhood to adulthood and the elderly stages of life.
- Life-span developmental psychology refers to a series of interrelated concepts and propositions that emphasize the complexity of development in historically changing contexts.
- According to this perspective, age-graded development is clearly influenced existing socio-cultural conditions and social change.

Practical - (MA2060)

- Ability to administer, analyse and interpret results from various psychological tools.
- Expand knowledge of various assessment procedures
- Knowledge of the ways to interpret the scores obtained through experiments and learn to discover the difference in between experimental and non- experimental set-up

MA III SEM

Psychology of Personality –I (MAC020301)

Develop capability to apply knowledge of personality theories for self
And societal growth

- Illustrate various theories of personality.
- Students will be able to know the personality inventory as an assessment

Of dispositions

Social Psychology – I (MAC020302)

- Students will be able to analyze the contributions of social Psychologists towards the understanding of human society.
- Students will be able to evaluate effective strategies in socialization, group processes (both inter- and intra-group), and interpersonal processes and helping behavior.
- Students will develop the ability to chart the progress of theories in key areas of social psychology.

Educational Psychology – I (MAC020303)

- Students will know the meaning, scope and methods of educational Psychology.
- Students get familiarized with the role of psychology in Education.
- Students come to know the characteristics of teacher, concept formation and role of motivation in learning.

Clinical Psychology – I (MAC020304)

- Provide students with opportunities to apply the concepts learnt in the class-room to real-life situations
- Enable students to understand Research and its importance in experiential learning through Case study.
- Express the nature and scope of clinical psychology and its linkages to other fields of healthcare and management
- Develop insight into various categories of psychological disorders with an emphasis on diagnosis and prognosis.

Practical - (MA058)

- Ability to administer, analyze and interpret results from various psychological tests i.e. personality, intelligence, sociometric data etc.
- Expanded knowledge of various assessment procedures
- Also make them learn to qualitatively and quantitatively analyze the data and interpret the scores obtained.
- Enables students to learn the importance of psychological testing and the types of tests used.

MA IVth SEM.

Psychology of Personality - II (MAC020401)

- It will enable students to become familiar with the major theories and traditions
related to the study of personality and personal development
- This will enable the student to clarify the underpinning themes, methodology
and assumptions of each theory to enhance understanding of personality and
behavior

Social Psychology- II (MAC020402)

- Students will be able to explain the various methods used to form attitudes and change attitudes.
- The student will be able to understand methodological issues and think critically and analytically about experimental research in social psychology.
- It will also help in developing a sense of adjustment in all spheres of life (personal and professional) in the students to achieve and maintain competitive excellence.

Education Psychology-II (MAC020403)

- Students get to know theoretical perspective in Educational Psychology.
- Students get familiarize with cognitive style and Information Processing Methods.
- Students get to understand human diversity in education, teaching method and educational assessment.

Counseling Psychology (MAC020411)

- Students will be able to know the conceptual difference between guidance counseling and psychotherapy.
- Students will develop the techniques and implications of practical counseling skills across areas of practice.
- Evaluate student counseling principles and their application in the outside world.
- Students will be able to classify the roles and responsibilities of a professional counselor:
- Students will be able to evaluate various psychotherapies and schools of counseling techniques.

Project (MAC020412)

- Students will think critically about research in psychology by using basic research methods and analysing and interpreting data.
- Interpret, design, and conduct basic psychological research.
- Understand to apply an appropriate technique or statistical tool
Practical - (MA020413)
- Ability to administer, analyse and interpret results from various psychological tools.
- Expanded knowledge of various assessment procedures
- Knowledge about qualitatively and quantitatively analyze the data.


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MA-Political Science

Programme Outcome and Course Outcome

Programme Outcome

- Master in Arts help students to get-
 - Expertise and in-depth knowledge in particular discipline.
 - Familiarized with latest trends in particular subject.
 - Skilled to analyse, evaluate and validate problems.
 - Opportunity for research after completing the course.
 - Careers according to their area of interest.

Programme specific outcome

Master in Political Science helps Students: -

- Students developed Comprehensive understanding of political Systems, Institutions and Processes
- They acquire Critical thinking and analytical skills to evaluate political theories, ideologies and policies
- They develop strong research and writing skills
- Possess ability to analyse and interpret Complex political issues, Participation in public discourse and engage in policy analysis

Course Outcomes of MA I Sem.

Paper 101- Political Philosophy 1: Origins of political Thought and Theory

Course learning outcomes (CLO): - Students will be able to understand origins of political theory and thought and difference between them

Paper 102- Indian Politics 1: Institutions and structures

CLO- This Course will enhance the knowledge of Students regarding making and features of Indian constitution and governmental structure at centre and\ state level

Paper103- International Relations:

CLO: - Students will able to understand major approaches, theories and issues of international relation

Paper 104: Public administration: Ideas and Concept

CLO: Students will have better understanding of meaning evolution and approaches to the study of public administration

Course Outcomes of MA II Sem.

Paper 201: - Political Philosophy II: Modern Political theory/ thought and contemporary ideologies

CLO: - Study of this Course will give students better knowledge of different political ideologies like idealism, socialism, fascism etc.

Paper 202: - Indian PoliticsII: Social and Political Process

CLO: - Students will able to answer the question of nature of Indian Politics, Politics of Caste and gender, Political Parties and Social movements

Paper 203: - Indian foreign Policy

CLO: - Student will able to understand development and characteristics of Indian foreign policy as well as India's relation with other countries and Regional and International Organisations

Paper 204: - Comparative Politics

CLO: - Students will able to study different perspectives of comparative politics and Governments

Course Outcomes of MA III Sem.

Paper 301: - Political Philosophy III: Modern Indian Political thought

CLO: - Students will better equipped to know the social political and economic ideas of Indian political thinkers

Paper302: - Indian Politics III: State politics in India

CLO: - Students will have comprehensive knowledge of different emerging trends of state politics in India as well as the structure and function of the government at state level

Paper303: - Gandhian Political Philosophy and action

CLO- This Course will provide students better perspective for the understanding of Gandhi's of social economic and political philosophy

Paper304: - (Optional) Panchayati raj and rural development administration with due reference to M.P.

CLO: - This Course will enhance the understanding of Students about local self-government, Panchayati raj institution and rural development

Course Outcomes of MA IV Sem.

Paper 401: - Administrative theory: -

CLO: - Students will able to understand the theories, Principle's and structure of organisation and theories of personnel and financial administration

Paper402: - Human Rights:

CLO: - this Course will provide students better understanding of meaning evolution and types of Human rights as well as its politics

Paper403: - Research Methodology

CLO: - Students will be better equipped to do research in various fields of their choice after studying this Course

Paper404: - (Optional) The United Nations

CLO: - Students will able to understand the evolution of international organisation and role of UNO and its various organs and agencies in economic and social development as well as maintaining world peace

Paper405: - Project

CLO: - This Project work provide students an opportunity to select topic of their choice and do some basic research work which in future will help them in their Ph.D. research work


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PO, PSO AND CO OF MASTER OF ARTS

MA-Economics

Programme Outcome and Course Outcome

Programme specific outcome

- Master in Arts help students to get-
 - Expertise and in-depth knowledge in particular discipline.
 - Familiarized with latest trends in particular subject.
 - Skilled to analyse, evaluate and validate problems.
 - Opportunity for research after completing the course.
 - Careers according to their area of interest.

Master in Economics helps Students to

- Develop the skill of understanding of various economic concepts like- Demand Theory, Supply theory, Welfare concept, Money and banking, Factor pricing, Commodity and service pricing etc.
- Develop the skill of understanding of Growth and Development, Theories of taxation and expenditure, Inter regional and international trade, Indian Economic development, Statistical methods and Environmental issues.
- After completing this program, a student has acquired capacity and skill to address economic problems and as well as capacity building for self-livelihood.

M.A. Economics- Semester-I

Paper : 1 MA (ECO) 101 Micro Economic analysis -I

CLO- This Course will enhance the ability to understand Theory of Demand from consumer side , Micro Economics is fundamental theory of Economics on which all economic science is cantered . can acquire basic knowledge of economic theory.

Paper : 2 MA (ECO) 102 Macro Economics

CLO- This Course will enhance the ability to understand Macro Theories of Economic analysis has key role in Employment, Investment, production and income generation. Public economic policies and price stability and inflation, Macro Economic policies like Monetary and fiscal policy.

Paper : 3 MA (ECO) 103 Public Economics

CLO - This Course will enhance the ability to understand the important instruments for implementing government welfare schemes. Taxation, Direct Indirect and other tax systems including GST, Public expenditure, public debt theories.

Paper : 4 MA (ECO) 104 Quantitative Techniques

CLO - This Course will enhance the ability to understand the data and data analysis tools like-Collection of primary data and secondary data. Averages, index numbers, time series analysis. Test of hypothesis etc

M.A. Economics- Semester-II

Paper : 1 MA (ECO) 201 Micro Economic analysis -II

CLO- This Course will enhance the ability to understand the theory of supply from producer side , market behaviour , Factor pricing and theory of production.. Today's Economies of world are driven by supply of goods and services.

Paper : 2 MA (ECO) 202 Monetary Economics and Banking

CLO- This Course will enhance the ability to understand the Public economic policies and price stability and inflation, Macro Economic policies like Monetary and fiscal policy, Trade policy and other important National macro issues are main tools of Macro Economic analysis..

Paper : 3 MA (ECO) 203 Research Methods and statistical Interference

CLO- This Course will develop the ability to understand to conduct Quality research for policy formation and measuring economic progress of an economy. This course enables a scholar to obtain the understanding of Quantitative Techniques,

Paper : 24 MA (ECO) 204 International Economics

CLO-This Course will develop ability to deal with various theories of international trade and foreign exchange rates , balance of payment issues , trade policies, terms of trade. International monetary and development institutions like International Monetary Fund (IMF) International Bank for Reconstruction and Development Bank (World Bank).

M.A. Economics- Semester-III

Paper: 1 MA (ECO) 301 Economics of Growth and development

CLO- This Course will enhance the ability to understand the theories of development and growth models so as to explain the development of growth process of various countries, states and regions and to understand various indicators of growth and development in India in comparison to other parts of the world.

Paper: 2 MA (ECO) 302 Environmental Economics

CLO- This Course will enhance the ability to understand environmental hazards, environmental policies of government and their implementation and impact assessment on economies in the world. Global Warming, acid rains, deforestation, climate change and its impacts on human life.

Paper: 3 MA (ECO) 303 Opt.A-1 Industrial Economics-1

CLO- This Course will enhance the ability to understand the industrial policy, industrial relation, Theories of industrialization, Labour Relations, industrial sickness. Growth of large-scale industrial units- like- Iron and steel Industry, Textile Industry. Sugar industry etc. and their role in production, employment generation and contribution in GDP.

Paper: 4 MA (ECO) 304 Opt.A-3 Computer applications in Economics-1

CLO- This Course will enhance the ability to understand to deal with basic knowledge of computer as well as expertise in Information Technology and knowledge base solutions of economic problems in daily life. With the help of M S office, MS excel . uses of various aaps, Email. Whatsap , huge mathematical calculations, maintenance of document and accounts.

Paper: 4 MA (ECO) 304 Opt.A-5 Agricultural Economics-1

CLO- This Course will enhance the ability to understand the availability of natural resources in a country. Agricultural Development, state agricultural policies, Land reforms programs – Institutional and non-institutional, agricultural inputs, food production, Food Security. irrigation, Farm Credit, post-harvest agricultural and other agricultural issues ..

M.A. Economics- Semester-IV

Paper: 1 MA (ECO) 401 Indian Economy

CLO- This Course will enhance the ability to understand various problems of India economy relating to Agriculture Sector, industrial Sector and service sector and their growth after independence, knowledge Economy. Foreign trade and other economic problems like- Poverty, unemployment, Price adverse balance of payment, Infrastructural Development – like road, Rail and other transport related issues, and Education and health, Technological issues.

Paper: 2 MA (ECO) 402 India's foreign Trade and International Institutions

CLO- This Course will enhance the ability to understand to deal with various International monetary and development institutions like –International Monetary Fund (IMF) International Bank for Reconstruction and Development Bank (World Bank). International Finance corporation (IFC) ,Asian Development Bank (ADB) and their role in Indian Economic development.

Paper: 3 MA (ECO) 403 Opt.B-1 Industrial Economics-1I

CLO- This Course will enhance the ability to understand the Regional Disparities in economic development of Madhya Pradesh and industrial policy, Growth of large-scale industrial units- like- Iron and steel Industry, Textile Industry. Sugar industry etc. and their role in production, employment generation and contribution in GDP.

Paper: 4 MA (ECO) 304 Opt.B-3 Computer applications in Economics-1I

CLO- This Course will enhance the ability to understand to deal with basic knowledge of computer like Power Point Presentations, audio – Video slides, Data Base Management System (DBMS), WEBSITE, Bluetooth Networking, Wi-fi, LAN, MAN, WAN and their uses.

Paper: 4 MA (ECO) 304 Opt.B-5 Rural Development II

CLO- This Course will enhance the ability to understand Rural Employment and income generation, Rural Poverty. various state policies and programs of Poverty alleviation, Income generation and Employment generation in rural India. role of banks, NABARD, and cooperative Banks, RRBs, Rural livelihood projects.


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एम. ए हिन्दी साहित्य कोर्स स्पेशिफिक आउटकम

इस स्नातकोत्तर पाठ्यक्रम के अध्ययता हिन्दी भाषा, भाषा विज्ञान, हिन्दी साहित्य, समीक्षा शास्त्र और कार्यालयीन तथा जनसंचार के क्षेत्र और उसकी विविध विधाओं में निपुण होकर बेहतर रोजगार हेतु सक्षम होंगे

एम. ए प्रथम व ,द्वितीय सेमेस्टर वर्ष

पेपर प्रथम -भारतीय एवं पश्चात्य काव्य शास्त्र -MA33

इस पाठ्यक्रम के अध्ययन से विद्यार्थियों लाभ को निम्नलिखित बिन्दुओं के अर्न्तगत रेखांकित किया जा सकता है -

1. भारतीय काव्य शास्त्र का अध्ययन करने से विद्यार्थी काव्य विभिन्न तत्वों, जैसे- रस, सिद्धांत, अलंकार, ध्वनि काव्य विभिन्न तत्वों, जैसे रस सिद्धांत, अलंकार, ध्वनि वक्रोक्ति एवं औचित्य से परिचित होंगे, जिससे उनमें काव्य को समझने तथा काव्य सृजन की समझ विकसित होगी।
2. पाश्चात्य काव्य शास्त्र के अध्ययन से विभिन्न आचार्यों, जैसे प्लेटो, अरस्तू, कॉलरेज फ्राइड, मार्क्स आदि के साहित्यिक एवं दार्शनिक विचारों से परिचित होंगे, जिससे उनमें पाश्चात्य संस्कृति एवं दार्शनिक विचारधारा की समझ विकसित होगी।
3. भारतीय पाश्चात्य विचारों एवं काव्य-सम्बन्धी रचनाओं से परिचित होकर विद्यार्थियों का बहुआयामी व्यक्तित्व विकसित होगा।
4. विद्यार्थियों का विभिन्न प्रतियोगी परीक्षाओं, जैसे- नेट सेट टेट व्याख्याता एवं सहायक प्राध्यापक की तैयारी करना।

द्वितीय पेपर – हिन्दी साहित्य का इतिहास –MA08205

इसके द्वारा विद्यार्थियों को अलग-अलग कलाओं की सामाजिक, आर्थिक, राजनीतिक, सांस्कृतिक एवं धार्मिक परिस्थितियों का कारण हुये परिवर्तन की स्थितियां विद्यार्थियों को अनुभव प्रदान करती हैं

तृतीय पेपर - आधुनिक हिन्दी गद्य और उसका इतिहास-MA32

आधुनिक हिन्दी में गद्य की बहुतायत प्रचुरता है और कविता पद्य के अलावा बहुत सारी विधाएं आधुनिक काल में गद्य ही विकसित हो रही है। आधुनिक तकनीक और ज्ञान-विज्ञान संबंधित सामग्री गद्य में ही उपलब्ध होगी। इस तरह गद्य के अध्ययन से विद्यार्थियों के व्यक्तित्व को नये आयाम और उन्हे आत्मविश्वास मिलता है

चतुर्थ पेपर – प्राचीन एवं माध्यकालीन काव्य -MA31

इस पेपर के माध्यम से कबीर द्वारा विद्यार्थी समाज में फैली बुराईयाँ का विरोध करने के लिए प्रेरित होते हैं। वही जायसी के द्वारा प्रेम के माध्यम से उस परमात्मा रूपी सौंदर्य को प्राप्त कर आत्मा-परमात्मा के व्दत से अव्दत होने से आत्म शांति का सूत्र प्राप्त करता हैं

एम. ए तृतीय व ,चतुर्थ सेमेस्टर वर्ष -2023-24

इस पाठ्यक्रम के अध्ययन से विद्यार्थियों को प्राप्त लाभ को निम्नलिखित बिन्दुओं के अर्न्तगत रेखांकित किया जा रहा हैं।

पेपर प्रथम -भाषा विज्ञान -MAC008402

1. इस पाठ्यक्रम के अध्ययन विद्यार्थियों भाषा एवं भाषायी सिद्धांतों की समझ विकसित होगी।
2. भाषा- विज्ञान के अध्ययन से विद्यार्थियों भाषा एवं व्याकरण बोध विकसित होगा, जिससे उनकी अभिव्यक्ति अधिक प्रभावशाली होगी।
3. भाषाओ अध्ययन से विद्यार्थियों का बहुमुखी व्यक्तित्व विकसित होगा।
4. भाषा एवं व्याकरण संबंधी अध्ययन से विद्यार्थियों को विभिन्न प्रतियोगी परीक्षाओं की तैयारी करने में उपयोगी सहायता प्राप्त होगी।

द्वितीय पेपर –आधुनिक काव्य – MAC008401

1. इस पाठ्यक्रम से विद्यार्थियों को आधुनिक काल के कवियों का पूर्ण परिचय प्राप्त होता हैं।
2. विद्यार्थियों को कवि साहित्यकार बनने का अवसर प्राप्त होता हैं
3. आधुनिककाल का प्रारंभिक इतिहास विद्यार्थियों को पढने का सुअवसर मिलता हैं

तृतीय पेपर -विशेष अध्ययन – सूरदास - MAC008403

1. यह पाठ्यक्रम सूरदास की कृष्ण भक्ति से सम्बंधित समस्त अयामो से इंगित करवाता हैं
2. विद्यार्थियों को माध्यकालीन परिस्थियाँ सूरदास का संपूर्ण साहित्यावलोकन की प्राप्ति एवं दोहा, पद, एवं शवईया के लिखने की कला में परांगत हो सकते हैं

चतुर्थ पेपर –प्रायोजन मूलक हिंदी - MAC008411

1. इस पाठयक्रम के माध्यम से विद्यार्थियों आचार-विचार का प्रस्तुतीकरण करने एवं रोजगार मूलक प्रश्न हल करने में सहायता प्रदान करता है।
2. यह पाठयक्रम विद्यार्थियों कार्यालय में उपयोग होने वाली काग्र प्रणाली की प्रक्रिया की शैली को बोध कराता है ।


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PO, PSO AND CO OF MA- DRAWING AND PAINTING

MA- Drawing and Painting Programme Outcome and Course Outcome Programme Outcome

- Master in Arts help students to get-
 - Expertise and in-depth knowledge in particular discipline.
 - Familiarized with latest trends in particular subject.
 - Skilled to analyse, evaluate and validate problems.
 - Opportunity for research after completing the course.
 - Careers according to their area of interest.

Programme specific outcome

Master in Drawing and painting helps Students: -

- Students developed Comprehensive understanding of political Systems, Institutions and Processes
- They acquire Critical thinking and analytical skills to evaluate political theories, ideologies and policies
- They develop strong research and writing skills
- Possess ability to analyse and interpret Complex political issues, Participation in public discourse and engage in policy analysis

MA Ist SEM

Paper-1 Code No 1661 History of Eastern Art (Indian)

Analyze the influence of religion in the emergence of Medieval Period art. • Understand formal elements and differentiate styles among cultures over time. • Identify works of art, their artistic style and their Socio-Political and Cultural context. • Speak articulately and critically about Indian art history. • Familiar with art and praxis. • Know different phases of Indian art history and its stylistic changes. Analyze the formal, technical, stylistic, compositional, characteristics of works of Medieval Art. •

Practical -2 (MA) Code-1663P Paper III Pictorial(PORTRAIT)

Develop eclectic and aesthetic knowledge about portrait making • Understand the anatomy of face, structure, light, shade, proportion and the characteristics of model. • Know about the role of portraiture in art practices (from ancient to contemporary). Exploring the possibilities of sketches (Indoor and Outdoor) in the field of the portrait work. • Explore the expressive possibilities of various media in the portrait painting. • Explore ideas and improve communication skills. • Develop eye and hand coordination. •

MA I SEM

Paper-2 Code No 1662 History of Western Art

• Understand the major artistic styles and genres of Western Art through a broad range of time periods from prehistoric to Renaissance Art. • Know the historical aspects of Western Art through its documented events and works of art as well as to develop the aesthetic sensibility.

Practical -2 (MA) Code-1664P Paper-IV [Practical] COMPOSITION

Realize the meaning of realistic and abstract value of composition • Enrich knowledge about composition based on sketching and drawing. • Create original work of art and apply skills for professional ends and develop personal style and contribute to art work. • Learn and enhance technical skill related to Pictorial Composition. • Explain indigenous cultural tradition of mural art. • Know about various methods of painting and the ancient cultural tradition of art in India. Emphasize the significance of color in composition. •

MA IInd SEM

Paper-1 Code-1671 History of Eastern Art (China, Japan, Parsia)

Know the various aesthetic criteria by which modern art has been evaluated and discuss them in their cultural context. • Demonstrate awareness of both China and Japan art. • Think critically and

develop research aptitude in the China, Korea and Japan. • Analyze the impact of Socio-Political situations on art and vice-versa. • Correlate between art and discoveries and use them in executing work of art. • Know about the changing perspective of art in the 20th century. • Know about works of artists, subjects, themes, colors, techniques, perspectives and principles used in Chinese, Korea and Japanese painting. • Formulate knowledge about China, Korea and Japan in their art Practice. • Identify the artists and their art works belonging to particular dynasty. • Recognize the philosophical differences of Confucianism, Taoism and Buddhism and their impact on art of China and Japan.

Practical -2 (MA) Code-1673P Paper-IV Composition

Know subjects and materials used in composition • Know critical theories and their applications in composition. • Upgrade their previous Artistic experiments. • Explore new mediums for composition work. • Sketches (Indoor and Outdoor), Exploration of Possibilities and Limitations of Various Media in the composition. • Develop observational skill regarding time, space, form, perspective and color in composition. •

MA II SEM

Paper-2 Code-1672 History of Western Art

Analyze works of western art contextually • Enhance visual literacy, speak and write articulately about art, religion and society. • Compare and contrast contemporary work with their historical antecedent.

Practical -2 (MA) Code -1674P Landscape

On successful completion of the course, students will be able to: Create aesthetic appeal in a Landscape painting • Learn proper techniques to create a Landscape painting.

MA IIIrd SEM

Paper-1 Code-1681 Indian Aesthetics

Know the historical aspects of Indian Art and Aesthetics through its Knowledge of the interrelations of Philosophy, Society, Morality, Symbol, Education, Communication, Ability etc. in

the perspective of art • Understand the major Fundamental element of Indian Art and Aesthetics. • documented events and works of art as well as to develop the aesthetic sensibility. Relate Aesthetics and its Philosophy. • Explain the theory of Ras according to Natyashastra. • Gain the knowledge of Indian Aesthetics with reference to Vedic and Puranic Literature. •

Practical -2 (MA) Code-1684P Paper IV Landscape

Analyze own problem in Landscape painting and solve accordingly. • Know about history of Landscape Painting. Using Oil Colour medium and Acrylic Colour for better understanding the medium.

MAIII SEM

Paper-2 Code-1682 History and Philosophy of Modern Art

Know different phases of Modern art history and its stylistic changes. Explore the endless possibilities of different media in Modern Indian Art. • Knowledge different mediums, material, tool and techniques of Modern Art. • Speak articulately and critically about Indian Modern art history. • Understand of pillar artist in the Modern Indian Art. • Familiar with art and praxis. • Knowledge of diverse modern art style. •

Practical -2 (MA) Code-1683. Paper III Full Figure

Explore anatomical drawings of human figures. • Make free hand structural drawings of human figure with different gesture. • Handle light and shade appropriate for full human figure. • Enrich knowledge about various poses of human figure Cultivate several modes of artistic expression in study from life. • Draw human figure through observation. • & shades in making human figure

MA IVth SEM

Paper-1 Code-1691 Aesthetics Western

Explain historical and contemporary thoughts of art and aesthetics acritical perspective. • Analyze and compare different era's western thinkers aesthetically ideology. • Recognize and understand major aesthetically ideology. • Think critically, communicate clearly and write effectively about thought of art and aesthetics. • Understand major changes from Early Renaissance period of Western Art and its great thinkers. Apply knowledge of Western and Indian Aesthetics in their own creations. • Recognize the philosophical Approach of Western Aesthetics. • Gain knowledge of Western Aesthetics from ancient to Renaissance period. •

Practical -1(MA)Code-1693P Full Figure with Environment

Develop eclectic and aesthetic knowledge about portrait making • Understand the anatomy of face, structure, light, shade, proportion and the characteristics of model. • Know about the role of portraiture in art practices (from ancient to contemporary). Realize the importance of light • Experience human emotions through figure study.

MA IV SEM

Paper-2 Code- 1692 History and philosopher of modern Art

Demonstrate awareness of both western and non-western art. • Analyze the formal, technical, stylistic, compositional, characteristics of western works of art. • Analyze the influence of Photography in the emergence of modern western art. • Understand formal elements and differentiate styles among cultures overtime western art world. • Identify works of art, their artistic style and their Socio-Political and Cultural context of European and western painting. • Know about the turning point in western art in the 19th century. • Explain historical and contemporary works of art from a critical perspective. • Analyze, compare and contrast Western art with Non-Western art. • Recognize and understand major monuments, artists, methods and theories and be able to assess the qualities of works of art and architecture in their historical and cultural settings in the western painting. • Think critically, communicate clearly and write effectively about works of western art. • Understand major changes from pre-historic to 19th Century of Western Art and its great Artists.

Practical -2 (MA) Code-1694 P Paper IV (Practical) COMPOSITION

Explore the endless possibilities of different media in field of composition. • Understand the fundamental of drawing and move beyond the fundamental concepts. Identify the importance of realistic and abstract subject matter in • Explore socio-political subjects through composition. • composition.

Project Work-

Understand and the importance of Art Exhibition and Art Gallery on the
Knowledge for the process of Synopses. • Understand the process of subject selection
and its importance for the Dissertation. • Demonstrate to choose a topic for research
work. • Giving information about data collection to make research paper. • Understand
about research work. • perspective of the project.


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PO, PSO AND CO OF M.COM

M.Com

Programme outcome and course outcome

Course outcome

Master of commerce degree is designed to provide students with advanced knowledge and skills in the field of commerce and management

Programme specific outcome

Management of business strategies, consumer behaviour, organisational, research and data analysis financial reports international marketing, marketing services business environment and sales promotion and advertising are beneficial to the students for self-employment and corporate sector services

M.Com 1st Sem.

Paper101-Management parameter & Practice

1. To know the functions, principal and management activities organisations.
2. To Helpful for the students to develop leadership quality in organisation with practical solution.

Paper 102- Business Enrichment

1. To Know the facts regarding globally- Cultural, Social, Political and industrial enrichment.
2. To helpful resolve the environment issues, technological issues cultural adaptation and geographic environmental strategies
3. To Know the label of environmental internal and external activities with economic policies and causes and effects

Paper103- Advance financial accounting

1. Helpful the knowledge of evaluation of accounting with language system and focused on financial structure accounting followed by organisation
2. It will be helpful to know the whole accounting system regarding professional and businessmen etc.
3. It provides the knowledge of finance related activities and transaction record keeping etc.

Paper104- Statistical analysis

1. This course content is useful for students data collection, data analysis and results. Draw various statistical tools with their application
2. It is easy to understand the practical knowledge to the students for the preparation of questionnaire, survey and helpful skill development.
3. To know the procedure of data classification, mean values, correlation and other SPS tools for social aspects, problem and survey

M.Com 2nd Sem.

Paper Code- 201 Organisational behaviour

1. To understand the behaviour of business concern employees with all aspects, how it influences the behaviour of individuals in an organisation
2. It is helpful to know globally organisation related culture, group behaviour of employees and their coordination amongst executives. can be aware of complete behaviour in organisation

Paper Code- 202 Research Methodologies

1. This is an important content for students in research trending knowledge and method of acquiring experience to modern techniques
2. It will be helpful to know innovation aspect of research field and also helpful to enhance skill to do the work like survey, field study and experiments
3. It is easy to understand the knowledge in the field of preparing projects and research report etc.

Paper Code- 203 financial management

1. To know the procedure of financial transaction activities which are calculated through various techniques their interpretation analysis
2. Students can get the knowledge, how to manage the projects financially in the Favour in an organisation
3. It will helpful for students' career to learn and implements various issues of financial management, and job opportunities

Paper Code- 204 Accounting for managerial decisions

1. it is helpful to provide the knowledge of various methods and techniques in calculative manners, funds and cashflow capital budgeting and policies
2. To know the knowledge of various issues in organisation and development decision making skill with help of this paper content and also it is valuable course for students future

M.Com 3rd sem.

Paper 301- Mc-BM301- Marketing Management

1. This Course will helpful the knowledge of marketing-based activities and how to handle the marketing environmental thinks
2. Its provide the knowledge of marketing research, demand and supply, price determination to the students

Paper 302- MC-BM302- Personnel Management and Industrial relation

1. TO learn more about human resource management policies and procedure
2. To Understand development, promotion, training system for employees and executives
3. It is helpful to know human resource management in Indian perspective, trade unions and internationals psychology of employees and leadership

Paper – MC-BM303-Consumer behaviour

1. To know the knowledge of consumer perception, learning process personality development and skills

2. To study overall consumers attitude and behaviour in modern scenario
3. To learn more consumer behaviour related models and their implementation

Paper-MC-BM304- Management of Marketing Services

1. To Familiarise with CRM applying technology to services and digital revolution
2. To study services economy, impact of new economic policy export and import services and its compositions in international services
3. To learn about service environment costumer centric companion and leaders

M.Com 4th Sem.

Paper MC-BM401-Management of sales promotion and advertising

1. This course content are useful for the students sales promotions process through various scheme and advertising procedure
2. To learn more how to present business activities effectively through advertizing.

Paper MC-BM402-Management of Rural agricultural marketing

1. Learning outcome for the students under this course to learn various ideas of rural marketing and how it can be presented in competitive market.
2. It is helpful to learn proper utilisation of agricultural related different marketing

Paper MC-BM403-Stretigics management

1. It will be helpful for learning process of strategies to earn maximum profit and standing in market globally
2. How to execute the policies in the market so students can gain the ideas in modern organization of corporate sectors

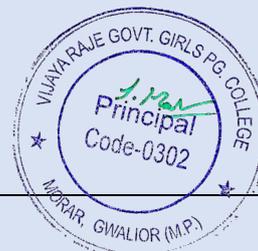
Paper MC-BM404- International Marketing

1. To attain the knowledge of international marketing segments how can we do the marketing at international level
2. It is more beneficial those who are interested in field of marketing.



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PO, PSO AND CO OF M.Sc. Microbiology

M.Sc. Microbiology Programme outcome and Course Outcome Programme Outcome

- Master of Science help students to get-
4. M.Sc. helps students to acquire a solid foundation of knowledge in their chosen scientific disciplines
 5. Develop Scientific enquiry and Critical thinking
 6. Students will gain practical laboratory skills, experimental techniques, data collection and analysis

Programme specific Outcome

1. Students of microbiology causes valuable skills for careers in healthcare, pharmaceutical, food and beverage industry
2. they contribute to the understanding and prevention of infectious disease, develop strategies for microbial control, investigate anti-microbial resistance, and advance biotechnological application

M.Sc 1st SEMESTER MICROBIOLOGY

Course Code – Paper 1 (MB:101)

Course Title – Basics in Microbiology and Bacteriology

Course Learning Outcome – Classification of Microorganisms, Introduction and history of Microorganisms.
Morphology and ultra-Structure of Bacteria: size, shape and arrangement
Of bacteria.
Bacterial Nutrition, Bacteriological media, cultivation of bacteria.

Course Code – Paper 2 (MB:102)

Course Title – Virology and Mycology

Course Learning Outcome – Discovery and Origin of Viruses.
Plant and Animal viruses' classification.
Cultivation of fungi, lifecycle of Bacteriophage.

Course Code – Paper 3 (MB:103)

Course Title – Cell Biology and Biochemistry

Course Learning Outcome – Types of cells, membrane structure.
Cell Signaling.
Structure, Classification, properties of Amino acids, proteins, Nucleic acid.
Enzymes Classification, Enzyme inhibition.

Course Code – Paper 4 (MB:104)

Course Title – Bioinstrumentation.

Course Learning Outcome – Principles of Microscopy and chromatography.
Principles, types and application of Electrophoresis.
Principles, application of Spectroscopy.

M.Sc 2nd SEMESTER MICROBIOLOGY

Course Code – Paper 1 (MB:201)

Course Title – Microbial Genetics and Molecular Biology.

Course Learning Outcome – Concept of Gene, Genome, Mutation.
Structure of DNA, DNA Replication.
Transcription, Structure of RNA, DNA.

Course Code – Paper 2 (MB:202)

Course Title – Immunology

Course Learning Outcome – History of Immunology, Immune response.
Study of Antigen and antibody.
Primary and secondary immunodeficiency.

Course Code – Paper 3 (MB:203)

Course Title – Microbiology Physiology and Metabolism

Course Learning Outcome – Basic concept of Bioenergetics and metabolisms
Biological Redox reaction
Oxygenic and an – oxygenic microorganisms.

Course Code – Paper 4 (MB:204)

Course Title – Biostatistics, Computer Application & Bioinformatics

Course Learning Outcomes – Types of Sampling methods.
Types of Hypothesis testing.
Classification of algorithms, Gene prediction.

M.Sc. 3rd SEMESTER MICROBIOLOGY

Course Code – Paper 1 (301)

Course Title – Medical and Pharmaceutical Microbiology

Course Learning Outcome – Injection their types, factors affecting Normal Microflora, mode of Spread of

prevention of
Infection.
Morphology, pathogenesis, immune response, diagnosis and
Viruses.
Protozoal and Fungal diseases, causing agent, source of infection
Epidemiology and Lab Diagnosis.

Course Code – Paper 2 (302)

Course Title – Recombinant DNA Technology

Course Learning Outcome – Enzyme used in DNA technology, Cloning Vectors, Cloning techniques.
DNA sequencing, Hybridization, Mapping, PCR.
Molecular typing, Promoter Analysis, Transgenic animals, Mutants.

Course Code – Paper 3 (303)

Course Title – Fermentation and Microbial Technology

Course Learning Outcome – Industrial Important Strain, Screening, Strain Improvement, Fermentation

Technology.
Downstream Processing, Industrial production of alcohols and solvents.
Hygiene and safety, production of Antibiotic, Insulin, Flavours and
Fragrances.

Course Code – Paper 4 (304)

Course Title – Environmental Microbiology

Course Learning Outcome – Ecology, Microbial interaction, Microbial diversity, Biodeterioration and Biodegradation.
Microorganism of air, air Microflora, air born transmission of bacteria, fungi, And Viruses. Soil Microbiology, decomposition, Bio teaching, Xenobiotics.

M.Sc. 4th SEMESTER MICROBIOLOGY

Course Code – Paper 1 (401)

Course Title – Agriculture Microbiology

Course Learning Outcome – Role of Enzyme, fungal disease, Bacterial viral disease of Plant.
Microorganism of Soil, Rhizosphere, Phyllo sphere, Microbial Interaction, Nutrient cycle. Storage of Fungi, Mycotoxins, quarantine, biogas and alcohol from Agriculture wastes.

Course Code – Paper 2 (402)

Course Title – Food Microbiology

Course Learning Outcome – Classification of food born disease, food born infections, food intoxication,

Food adulteration.
Microbiology of Milk, Pasteurization, Dairy Products.
SCP, Mushrooms, Food concessions, estimation


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PO, PSO AND CO OF M.Sc. Biotechnology

M.Sc.

Programme outcome and Course Outcome

Programme Outcome

- Master of Science help students to get-
- 4. M.Sc. helps students to acquire a solid foundation of knowledge in their chosen scientific disciplines
- 5. Develop Scientific enquiry and Critical thinking
- 6. Students will gain practical laboratory skills, experimental techniques, data collection and analysis

Programme specific outcome

1. Student acquire the knowledge of the principles, techniques and application of biotechnology.
2. Acquire proficiency in laboratory techniques such as DNA manipulation, protein purification, gene expression analysis and cell culture

Course Outcome (CO) of M.Sc. Biotechnology

M.Sc. 1 Sem

Paper 101- Cell Biology-

- (1) Sensitize the students to the fact that as we go down the scale of magnitude from cells to organelles to molecules, the understanding of various biological processes becomes deeper and inclusive.

Paper 102- Biomolecules and Metabolism-

- (1) Student will Gain fundamental knowledge in biochemistry.
- (2) knowledge of biochemical principles with specific emphasis on different metabolic pathways and regulators.

Paper 103- Microbiology

- (1) Student learn different types of microorganisms, their applications in different sector.
- (2) Student gets knowledge about interaction between microorganisms and plant and animal that help them to think about its use in Agriculture, Medical and health, Environment field.

Paper 104- Bioinstrumentation

- (1) Students will develop a conceptual understanding of connections between physics and biology.
- (2) Demonstrate knowledge and practical skills of using instruments in biology and medical field.

M.Sc. 2 Sem

Paper 201- Molecular biology

- (1) Student will get knowledge about fundamental molecular principles of genetics. Understand relationship between phenotype and genotype in human genetic traits.

Paper 202- Immuno technology

- (1) It will help Students to predict about nature of immune response that develops against bacterial, viral or parasitic infection, and prove it by designing new experiments.

Paper 203- Enzyme technology

- (1) It will prepare students to confidently and competently work with enzyme systems in both Academia and Industry.

Paper 204- Environmental biotechnology and Animal Biotechnology

- (1) It will help to introduce students to the principles, practices and application of animal biotechnology in Tissue engineering, Vaccines and biopharmaceuticals.
- (2) students will be able to understand the use of basic microbiological, molecular and analytical methods, which are extensively used in environmental biotechnology.

M.Sc. 3 Sem

Paper 301 –Genetic Engineering-

- (1) The outcomes of this course are to teach students with various approaches to conducting genetic engineering and their applications in biological research as well as in biotechnology industries.

Paper 302- plant Biotechnology-

- (1) Students will know about the principles, practices and applications of plant biotechnology, plant tissue culture, plant genomics, genetic transformation and molecular breeding of plants.

Paper 303 Bioprocess engineering and Microbial technology

- (1) Students will know how to calculate yield and production rates in a biological production process, and also interpret data.
- (2) Critically analyze any bioprocess from market point of view
- (3) Give an account of important microbial/enzymatic industrial processes.

Paper 304 Biostatistics and Computer application

- (1) It will develop an understanding of basic theory of these computational tools.
- (2) It will help students to critically analyse and interpret results of their study with data by statistical methods.

M.Sc. 4 Sem

Paper 401 Emerging trends in Biotechnology

- (1) It will help students to learn new and trending technology in biotechnology.
- (2) To know about stem cell technology, IVF etc.

Paper 402 Bioinformatics

- (1) The outcomes of this course are to provide theory and practical experience of the use of common computational tools and databases which facilitate investigation of molecular biology and evolution-related concepts.

PO, PSO AND CO OF M.H.SC
HOME SCIENCE DEPARTMENT
M.SC. HOME SCIENCE (FOOD & NUTRITION)
PROGRAMME OUTCOMES

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

PROGRAMME SPECIFIC OUTCOMES

1. Understand the nature and basic concepts in the field of Food and Nutrition.
2. Understand the applications of research for improving the livelihood of the community.
3. Analyze the relationship between diet and health and impart knowledge to alleviate nutritional problems and to achieve health security.

4. Acquire knowledge and skills and perform procedures necessary to work in food and nutrition.

M.SC. HOME SCIENCE (FOOD & NUTRITION)

SEMESTER – I

PAPER – I

University Course – 101-APPLIED PHYSIOLOGY

On successful completion of this course. Students will able to –

- (1) To understand the integrated functions of all systems in the science of physiology.
- (2) To understand the structure & functions in various organs & systems in relation to the diseased conditions.
- (3) To understand the advance issues to the relevant topics of human physiology.

PAPER – II

ADVANCED NUTRITIONAL BIOCHEMISTRY- University Course - 102

On successful completion of this course. Students will able to –

- (1) Augment this biochemistry knowledge acquired at the under graduate level.
- (2) Understand the mechanism adopted by the human body for regulation of metabolic pathways.
- (3) Get on insight into interrelationship between various metabolic pathways.
- (4) Become proficient for specialization in nutrition.

- (5) Understand integration of cellular level metabolic events to nutrition disorder & imbalances.

PAPER – III

PUBLIC NUTRITION- University Course – 103

On successful completion of this course. Students will able to –

- (1) Develop a holistic knowledge base & understanding of public nutrition concept.
- (2) Understand the health economic, food situations & determination of nutritional status.
- (3) Be familiar with various approaches to nutrition & health interventions, programmes & policies.

PAPER – IV

RESEARCH METHODS & STATISTICS- University Course - 104

On successful completion of this course. Students will able to –

- (1) To understand the significance of statistics & research methodology in home science research.
- (2) To understand the types, tools, methods of research & develop the ability to construct data gathering instrument appropriate to the research design.
- (3) To understand & apply the appropriate statistical technique for the measurement & design.

M.SC. HOME SCIENCE (FOOD & NUTRITION)

SEMESTER – II

PAPER – I

Paper Code – 671/A-19-ADVANCE IN FOOD MICROBIOLOGY

On successful completion of this course. Students will able to –

- (1) The course will enable the students to gain deeper knowledge of microorganism in human environment and to understand the importance of microorganism in foods technology.
- (2) To understand the role of micro-organisms in spoilage of various foods.
- (3) To gain knowledge of micro-organisms in relation to food and food preservation.
- (4) To develop skills in handling food safety legal aspects in the areas.
- (5) Gain knowledge of the role of micro organisms in health and disease.

M.SC. HOME SCIENCE (FOOD & NUTRITION)

SEMESTER – II

PAPER – II

Paper Code – 672/A-19-APPLIED BIOCHEMISTRY & TECHNIQUE

On successful completion of this course. Students will able to –

- (1) Understand integration of cellular level metabolic events to nutrition disorder and imbalances.
- (2) Have an advanced understanding of the core principles and topics of biochemistry and their experimental basic.

- (3) Be able to use current biochemical and molecular techniques to plan and carry out experiments.
- (4) Understand the principles of various techniques for nutrition research.
- (5) Familiarize with the application of the above techniques

SEMESTER – II

PAPER – III

Paper Code – 673/A-19-NUTRITION & HEALTH PROBLEMES

On successful completion of this course. Students will able to –

- (1) Understand the nature of important nutrition problems and their prevention and control.
- (2) Students will understand underlying causes, and preventive measures of nutritional health, problems.
- (3) Study and understand the Epidemiology of communicable diseases and nutrition related problems prevalent among the affluent and the less privileged groups.
- (4) Study the biochemical and clinical manifestations preventive and therapeutic measures of common nutrition and health problems.
- (5) Through knowledge of epidemiology they will enable to protect themselves as well as whole society from dangerous communicable diseases.

M.SC. HOME SCIENCE (FOOD & NUTRITION)

SEMESTER – II

PAPER – IV

Paper Code – 674/A-19-STATISTICS & COMPUTER APPLICATION

On successful completion of this course. Students will able to –

- (1) To understand tabulation and Graphic presentation of the Data.
- (2) o understand testing hypothesis and majors of variability along with Non parametric methods in Statistics.

- (3) To Understand Experimental Designs and Their use and Research.
- (4) To understand the role of statistics and computer applications in research.
- (5) To apply statistical techniques to research data for analyzing and interpreting data meaningfully.

M.SC. HOME SCIENCE (FOOD & NUTRITION)

SEMESTER – III

PAPER – I

University Course - 301-ADVANCE NUTRITION

On successful completion of this course. Students will able to –

- (1) Acquire knowledge of the physiological and metabolic role of various nutrients and their interactions in human nutrition.
- (2) Understand the basic of human nutritional requirements and recommendations through the life cycle.
- (3) Describe the metabolic basis for contemporary health issues relevant to the dietetics professional.
- (4) Integrate physiology, biochemistry and nutrition in the context of normal human metabolism.
- (5) Familiarize with the recent advanced progress in nutrition.

M.SC. HOME SCIENCE (FOOD & NUTRITION)

SEMESTER – III

PAPER – II

University Course - 302-CLINICAL & THERAPEUTIC NUTRITION

On successful completion of this course. Students will able to –

- (1) Understand the etiology, physiologic and metabolic anomalies of acute and chronic diseases and patient needs.
- (2) Know the effect of various diseases on nutritional status and nutritional and dietary requirements.

- (3) Be able to recommended and provide appropriate nutritional care for prevention and treatment of various diseases.
- (4) Orient the students with all the important state of the art methodology applied in nutritional assessment of human groups.
- (5) Develop specific skill to apply the most widely used method.

SEMESTER – III

PAPER – III

University Course - 303-FOOD SCIENCE & CURRENT TRENDS)

On successful completion of this course. Students will able to –

- (1) Provide an understanding of composition of various food stuffs.
- (2) Familiarize students with changes occurring in various foodstuffs as a result of processing and cooking.
- (3) Enable students to use the theoretical knowledge in various application and food preparations.
- (4) Create awareness regarding current trends, issues and researches in various aspects of food and nutrition.
- (5) Gain knowledge on sources of Nutraceuticals, Health foods and Specialty Foods.

M.SC. HOME SCIENCE (FOOD & NUTRITION)

SEMESTER – III

PAPER – IV

University Course - 304-SCIENTIFIC WRITING & COMMUNICATION TECHNOLOGY

On successful completion of this course. Students will able to –

- (1) To be able to appreciate & understand importance of writing scientifically.
- (2) To develop competence in writing & abstracting skills.
- (3) To write cittern a draft research proposal on a chapter of dissertation.

M.SC. HOME SCIENCE (FOOD & NUTRITION)

SEMESTER – IV

PAPER – I

Paper Code – 691/A-19-HEALTH AND FITNESS

On successful completion of this course. Students will able to –

- (1) Understand the components of health and fitness.
- (2) Understand role of nutrition in health and fitness.
- (3) Make nutritional, dietary and physical recommendation to achieve fitness.
- (4) Develop ability to evaluate fitness.
- (5) To understand relation between body composition and Physical Fitness.

SEMESTER – IV

PAPER – II

Paper Code – 693/A-19-FOOD SCIENCE & CURRENT TRENDS

On successful completion of this course. Students will able to –

- (1) Provide an understanding of composition of various food stuffs.
- (2) Familiarize students with changes occurring in various foodstuffs as a result of processing and cooking.
- (3) Enable students to use the theoretical knowledge in various application and food preparations.
- (4) Create awareness regarding current trends, issues and researches in various aspects of food and nutrition.
- (5) Gain knowledge on sources of Nutraceuticals, Health foods and Specialty Foods.

M.SC. HOME SCIENCE (FOOD & NUTRITION)

SEMESTER – IV

PAPER – III

**Paper Code – 692/A-19-CLINICAL AND THERAPEUTIC
NUTRITION**

On successful completion of this course. Students will able to –

- (1) Understand the etiology, physiologic and metabolic anomalies of acute and chronic diseases and patient needs.
- (2) Know the effect of various diseases on nutritional status and nutritional and dietary requirements.
- (3) Be able to recommend and provide appropriate nutritional care for prevention and treatment of various diseases.
- (4) Orient the students with all the important state of the art methodology applied in nutritional assessment of human groups.
- (5) Develop specific skill to apply the most widely used method.

M.SC. HOME SCIENCE (FOOD & NUTRITION)

SEMESTER – IV

PAPER – IV

Paper Code – 694/A-19-MASS COMMUNICATION

On successful completion of this course. Students will able to –

- (1) To introduce basic concepts of communication and its role in society.
- (2) Understand importance of communication.
- (3) Develop skill for communication ability.
- (4) Understand the importance of audio visible aids in communication.
- (5) To introduce different types of media their characteristics, merits and demerits.


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