

**SHRI SHIVAJI MOFAT EDUCATION SOCIETY'S
SHRI SHIVAJI COLLEGE OF ARTS, COMMERCE & SCIENCE,
KANDHAR TQ. KANDHAR DIST. NANDED**

DEPARTMENT OF ENGLISH

B.A.ENGLISH

INTENDED PROGRAM OUTCOMES :-

1. Learners will be able to understand the Historical background of the canon of Western Literary Criticism.
2. Learners will appreciate the various theories developed during the Classical Times & European Renaissance.
3. Learners will be sensitized to the foundations of different critical traditions
4. The learners will be able to perceive, and transcribe the sounds of English language while learning the acoustic and articulatory properties.
5. The learners will gain practical skills of transcribing data in the International Phonetic Alphabet (IPA).
6. The ability of synthesizing speech will be acquired.
7. Learners will understand the basic principles of Literary Criticism as revealed from the study of the individual critics.
8. Learners will perceive the development of English Literary Criticism through the ages.
9. An ability to appreciate literary text through the practice of actual critical analysis will be gained.
10. The learners will be able to have an appreciable understanding of English Grammar.
11. The learners will gain capability of producing grammatically and idiomatically correct spoken and written discourse.
12. The learners will acquire the skill of locating language errors and ambiguities.

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DEPARTMENT OF PUBLIC ADMINISTRATION

B.A. PUBLIC ADMINISTRATION

INTENDED PROGRAM OUTCOMES :-

1. To Understand the administrative theories and concept to make sense of administrative practices.
2. To understand the form and substance of Indian Administration.
3. Basic knowledge of administrative organization and its principles.
4. To understand the importance of Human resources and their effective work in Administration.
5. Introduce and provides knowledge of Disaster Management.
6. To familiarize the students with basic knowledge of modern Administrative thoughts.

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DEPARTMENT OF AGROCHEMICALS & FERLITIZERS

B.SC. AGROCHEMICALS & FERTILIZERS

INTENDED PROGRAM OUTCOMES :-

1. Creation of skill and trained manpower for agriculture sector.
2. Application of hottest technology to understand Physiochemical properties of soil.
3. To increased productivity of soils with better management so as to improve crop yield.
4. Use of Chemical Fertilizers is to be Supplemented by user of organize Manures.
5. Students can be aware of methods of plant protection measures which aim at avoiding or reducing pollution by the use.
6. Students can serve as valuable recourse persons in agriculture helping the Nation in enriching farmers and national economy.
7. Application of technology for higher production and profitability of Farming.
8. Development of skills needed for future agriculture live hydroponics, which will boost the intensive agriculture and production efficiencies.

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DEPARTMENT OF CHEMISTRY

B.SC. CHEMISTRY

INTENDED PROGRAM OUTCOMES :-

After the complete of the degree courses with chemistry as one of the optional subject of his/her group combination.

1. To understand different seasons of combination of element.
2. To apply the spectroscopic technique in identification of the simple organic compounds, structure
3. To understand the different types of reaction like, addition, substitution, elimination, rearrangement & redoxreaction
4. To understand the biological role of different metals.
5. Know the basic knowledge regarding, dyes, drugs, alkaloid, vitamins, pesticides, oils & fats, carbohydrates, Amino acids, peptide and enzymes.
6. To understand the solutions, concentration terms, colligative properties its application.

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DEPARTMENT OF BOTANY

B.SC. BOTANY

INTENDED PROGRAM OUTCOMES :-

- 1) The students will inculcate scientific temperament and attitude among themselves.
- 2) The qualities of a science faculty such as observation precision investigative, logical thinking ,clarity of thought and expression, systematic approach, qualitative and quantitative decision making an enlarged.
- 3) The programme also empower the graduates to appear for various competitive examinations the students can choose the post graduates programme of their choice.
- 4) This programme trains the learners to extract information formulate and solve problems in a systematic and and logical manner.
- 5) This programme enables the learners to perform the jobs in diverse fields such as science, engineering ,industries, survey, education, development-planning, public service. etc. efficiently

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DEPARTMENT OF BOTANY (P.G)

M.Sc. BOTANY

INTENDED PROGRAM OUTCOMES :-

- 1) After successful completion of the course, a student is able to understand different fields of Botany like systematics, evolution, ecology, physiology, biochemistry, plant interactions with microbes and insects, anatomy, morphology, reproduction, genetics and molecular biology of various life-forms.
- 2) The course is capable of executing short-term research projects using tools and techniques in any of the basic specializations of Botany under supervision.

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DEPARTMENT OF ZOOLOGY

B.SC. ZOOLOGY

INTENDED PROGRAM OUTCOMES :-

Student will be able to get knowledge of :

1. Distinguish the biotic and abiotic interactions along with understanding of environmental issues, and inter-relation between different components of ecosystems.
2. Ability to elaborate about distribution and abundance of organisms and different experimental techniques to study any ecosystem or its components.
3. relation between structure and function species in environment with knowledge of natural resources and pollution management techniques.
4. To introduce students to the basic concepts of applied parasitology. To expose students to the knowledge of host-parasite relationship.
5. To give students a broad perspective of epidemiology, transmission, control and treatment of parasitic diseases caused by protozoans and platyhelminthes.
6. To familiarize students with morphologic criteria to differentiate between the most common protozoan and helminth parasites.
7. To study the behaviour of organism under natural conditions (Ethology), understand the concepts of Biometry and get acquainted with and apply the fundamentals of applied statistical methodology.
8. To give students an introduction to the basic practical techniques of bioinformatics, To emphasize the application of bioinformatics and biological databases for problem solving in real-life & research and familiarize student with the use of a wide variety of internet applications, biological database and to enable them to apply these methods under various situations.
9. To provide a broad-based knowledge and understanding of Parasitology with special emphasis on Parasitic Nematodes and Arthropods, To understand the morphology of nematodes as it relates to their taxonomic position and their ability to cause diseases in plants and animals.
10. To identify vector - host - pathogen relationships in arthropod-borne diseases, To apply modern tools for surveillance and diagnosis of vector-borne diseases and provide sufficient knowledge, understanding, and critical judgment appropriate for professional employment in Parasitology or a related discipline.
11. To improve the skills of students in microscopy, whole mount preparation, observations, drawings and laboratory techniques, To acquaint the students with operations of the different laboratory equipment.
12. To equip the student with the necessary skills in standard operating procedures for laboratories and handling of chemicals, reagents and glassware. To train the students in the analysis of experimental data with statistical and computer aided techniques, To induct the students in the

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DEPARTMENT OF ZOOLOGY

M.SC. ZOOLOGY

INTENDED PROGRAM OUTCOMES :-

Earning a Master of Science M.Sc. in Zoology can open up various career opportunities for individuals interested in the study of animals and their ecosystems. The outcomes of obtaining a Master's degree in Zoology may include :

1. **Advanced Knowledge:** Graduates will have acquired in-depth knowledge of zoology, including taxonomy, physiology, behavior, ecology, and evolutionary biology. They will have a comprehensive understanding of the principles and theories that govern the animal kingdom.
2. **Research Skills:** M.Sc. in Zoology programs typically emphasize research methodologies. Graduates will be proficient in designing, conducting, and analyzing experiments and field studies. They will have experience using various research tools and technologies.
3. **Critical Thinking and Problem-Solving:** Through their coursework and research projects, students develop critical thinking and problem-solving skills. They learn to analyze complex biological issues and propose innovative solutions to challenges in the field of zoology.
4. **Specialization:** Many M.Sc. programs allow students to specialize in particular areas of zoology, such as marine biology, entomology, conservation biology, or behavioral ecology. Graduates will have expertise in their chosen field, making them well-suited for specialized roles.
5. **Communication Skills :** Graduates will be adept at presenting scientific information in written and oral forms. They will have experience writing research papers, reports, and proposals. Strong communication skills are essential for sharing research findings with both scientific and non-scientific audiences.
6. **Teaching Opportunities:** With a Master's degree, individuals may pursue opportunities in teaching at the high school or community college level. They can share their knowledge and passion for zoology with the next generation of scientists.
7. **Conservation and Environmental Management:** Graduates may find roles in conservation organizations, government agencies, or environmental consulting firms. They can contribute to the development and implementation of strategies for the conservation and sustainable management of ecosystems and wildlife.
8. **Zoo and Aquarium Positions:** Some graduates may choose to work in zoos, aquariums, or wildlife rehabilitation centers. They may be involved in animal care, conservation programs, or education and outreach initiatives.

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DEPARTMENT OF PHYSICAL EDUCATION

B.A. PHYSICAL EDUCATION

INTENDED PROGRAM OUTCOMES :-

- 1) Students will be able to understand importance of organization in sports.
- 2) Students will be able to know the types of tournaments and how to take care and maintenance play ground and equipments.
- 3) Students will learn gym management and qualities of good manager.
- 4) Learner will able to understand function of financial management
- 5) Learner will achieve and maintain a health enhancing physical fitness.
- 6) Students will develop competency in many movements activities
- 7) Students will able to learn basic skills of javelin throw, badminton and wrestling
- 8) Students will be able to demonstrate basic skills associated will yoga activities including strength and flexibility, balance and coordination.
- 9) Students will be able to learn techniques knowledge of rules and regulations of high jump, volley ball and hand ball
- 10) Learner will be able to understand application of physical fitness test (JCR Sargent Test)
- 11) The learner will be learn how to maintain mental health at the time of athletics competition and team events.
- 12) The learner will acquire the basic knowledge of anatomy and physiology.

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DEPARTMENT OF POLITICAL SCIENCE

B.A. POLITICAL SCIENCE

INTENDED PROGRAM OUTCOMES :-

- 1) Students will acquire the judgment power by standing the the various political ideas concept and other political issues concern with politics
- 2) Pupils will understand the basic political concept by standing the course
- 3) Student get various Political Ideas concern with state government and other political issues
- 4) The outcome of course lies in bulding ideal citizen competition ready skilled, man power mass awareness about the political structure and functionary among the youth
- 5) The course will encourage student to understand and decipher the diverse and often contesting way in which the ideas of nationalism. Democracy and social transformation were discussed in pre and post independence India.

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DEPARTMENT OF ECONOMICS

B.A. ECONOMICS

INTENDED PROGRAM OUTCOMES :-

- 1) Students ability will be utilized to take the current economic problem
- 2) Student will adopt more knowledge is the field of modern economy
- 3) Students will be able to suggest various measures to policy makers for solution of economic problem
- 4) To develop the understanding of the basic concept of financial inclusive and financial literacy
- 5) Student will able to analyze different concept of public finance
- 6) Student will suggest various measures to decrease deficit
- 7) Students will study differentiation between base year and current year

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DEPARTMENT OF MARATHI

B.A. MARATHI

INTENDED PROGRAM OUTCOMES :-

अभ्यासक्रमाची उपयोगीता

1. मराठी वाङ्मयाच्या सामाजिक तथा सांस्कृतिक पार्श्वभूमीचा अभ्यास करून विविध संप्रदायाच्या विचारधारा समजून देणे.
2. मराठी वाङ्मयाचे स्वरूप, परंपरा व इतिहास यांचा परिचय देऊन वाङ्मयाबद्दलची अभिरुची वाढविणे.
3. साहित्याच्या भाषेचे स्वरूप अभ्यासून भाषेच्या क्षेत्रातील विविध संधीचा परिचय करून देणे.
4. मराठी भाषेची उपयुक्तता आणि वैशिष्ट्यांची ओळख करून देऊन मराठी भाषिक कौशल्य विकसित करणे.
5. मराठी भाषेचे उपयोजन व विविध क्षेत्रातील संधीची माहिती करून देऊन विद्यार्थ्यांच्या भाषिक क्षमतांचा अभ्यास करणे.
6. मराठी भाषेतून येणारे शिक्षण, भाषांतर, पत्रकारिता, दुर्दर्शकानं, चित्रपट, संवाद कौशल्य, प्रशासन, सृजनशील लेखन, प्रकाशन स्पर्धा परीक्षा अशा विविध क्षेत्रांची ओळख करून देऊन विद्यार्थ्यांच्या विविध क्षमतांचा विकास करणे.

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DEPARTMENT OF ELECTRONICS

B.Sc. ELECTRONICS

INTENDED PROGRAM OUTCOMES :-

Typically include a solid understanding of electronic principles, proficiency in circuit analysis and design, knowledge of digital and analog systems, practical skills in electronics experimentation, and the ability to apply these concepts in real-world situations. Additionally, graduates may possess problem-solving skills, critical thinking abilities, and effective communication in the field of electronics.

They are as follows.

Theoretical Foundation: Graduates should have a strong theoretical foundation in electronics, covering topics such as semiconductor devices, electronic circuits, signals, and systems.

Circuit Design and Analysis: Ability to design and analyze electronic circuits, both analog and digital, considering factors like efficiency, reliability, and cost-effectiveness.

Digital Systems: Understanding of digital systems, including logic design, microprocessors, and digital signal processing, preparing students for roles in the digital technology domain.

Hands-on Skills: Proficiency in using laboratory equipment and tools for electronics experimentation, fostering practical skills in building, testing, and troubleshooting electronic circuits.

Programming Skills: Depending on the curriculum, graduates may have programming skills, especially in languages relevant to electronics such as C or Assembly language for microcontrollers.

Problem Solving: Development of problem-solving skills to address challenges in electronic systems and applications, emphasizing critical thinking and analytical abilities.

Industry-Relevant Knowledge: Awareness of current trends and technologies in the electronics industry, keeping graduates informed about the latest advancements and market demands.

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DEPARTMENT OF PHYSICS

B.Sc. PHYSICS

INTENDED PROGRAM OUTCOMES :-

Physics is the branch of science that studies the fundamental principles governing the natural world. It seeks to understand the behavior of matter, energy, space, and time.

Physics is a foundational science that plays a crucial role in technological advancements and our understanding of the universe.

It also intersects with various other disciplines, contributing to advancements in engineering, medicine, and many other fields.

The Key outcome of the B.sc Physics Course are :

Understanding Core Concepts: Mastery of classical mechanics, electromagnetism, thermodynamics, quantum mechanics, and relativity.

Mathematical Proficiency: Development of strong mathematical skills to solve complex physical problems using calculus, differential equations, and other mathematical methods.

Laboratory Skills: Acquiring hands-on experience in experimental techniques, data analysis, and scientific reasoning through laboratory work.

Critical Thinking: Developing the ability to critically analyze and solve problems, fostering a scientific mindset.

Computational Skills: Familiarity with computational tools and methods for solving physics problems, simulations, and data analysis.

Interdisciplinary Understanding: Appreciating the interdisciplinary nature of physics and its connections to other scientific disciplines.

Research Skills: Introduction to research methodologies, literature review, and independent study, preparing students for more advanced research projects.

Preparation for Further Studies or Careers: Equipping students for advanced studies in physics or related fields, as well as preparing them for careers in research, education, technology, engineering, or various industries.

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DEPARTMENT OF HISTORY

B.A. HISTORY

INTENDED PROGRAM OUTCOMES :-

The Students learn to identify the various problems by recalling historical events and find the solution on the basis of the past events.

1. History provides today's leaders with role models as they navigate through the complexities of modern life. The stories of persons from the past can offer direction to contemporary leaders and help clarify their values and ideals History, saved and preserved is the foundation for future and generation.
2. The program also empowers the graduates to appear for various competitive examinations or choose the post graduate program of their chase.
3. The B.A. Program enables the students to acquired knowledge with human values framing the base to deal with various problems in life with courage and humanity.
4. The students will be ignite enough to think and act over for the solution prevailed the base to be responsible citizen.

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DEPARTMENT OF HISTORY

M.A. HISTORY

INTENDED PROGRAM OUTCOMES :-

Independent judgment, intercultural and regional sensitivity, global and national perspectives to solve problems concerning humanities.

1. The students interpret and analyze contemporary social, political and economical condition.
2. The students learn to identify the various problems by recalling historical events and find the solution on the basis of the past events.
3. Trace out the root of contemporary society from the past
4. realized the importance of socio cultural moral value
5. understand the rise growth of decline of various civilization of the world
6. masters in history helps students to explore several topics of history globally or locally which improves their analytical and research skills they are introduced to debates or discussions and are encouraged to define their answers with reasoned arguments.

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DEPARTMENT OF HINDI

B.A. HINDI

INTENDED PROGRAM OUTCOMES :-

1. हिंदी साहित्य की सामाजिक और सांस्कृतिक पृष्ठभूमि का अध्ययन करना और विभिन्न संप्रदायों की विचारधारा छात्र अवगत करेंगे ।
2. हिंदी साहित्य की प्रकृति, परंपरा और इतिहास का परिचय देकर साहित्य के प्रति छात्रों की रुचि बढ़ेगी ।
3. हिंदी भाषा की उपयोगिता और विशेषताओं का परिचय प्राप्त होगा और छात्रों के मन में हिंदी भाषा कौशल विकसित होगा ।
4. साहित्यिक भाषा की प्रकृति (स्वरूप) का अध्ययन कर भाषा के क्षेत्र में विभिन्न अवसरों का संज्ञान मिलेगा ।
5. छात्रों को हिंदी भाषा से मिलने वाली शिक्षा, अनुवाद पत्रकारिता, टेलीविजन, फिल्म, संचार कौशल, प्रशासन रचनात्मक लेखन, प्रकाशन, प्रतियोगिता परीक्षाओं जैसे विभिन्न क्षेत्रों से परिचित होंगे और उनके विभिन्न स्तरों पर विकसित विकास होगा ।
6. छात्रों को हिंदी भाषा के अनुप्रयोग और विभिन्न क्षेत्रों में अवसरों के बारे में जानकारी मिलेगी और उन्हें भाषा कौशल का ज्ञान प्राप्त होगा ।
7. छात्र हिंदी भाषा के अध्ययन द्वारा जीवन की सीढ़ियां यशस्वीता के साथ चढ़ पाएंगे और अपना राष्ट्र विकास में योगदान देने में सफल होगा।

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Department of Mathematics

B.Sc. Mathematics

INTENDED PROGRAM OUTCOMES

Formulate and develop mathematical arguments in a logical manner. Also when there is a need for information, the student will be able to identify, locate, evaluate, and effectively use that information for handling issues or solving problems at hand. Acquire good knowledge and understanding in advanced areas of mathematics and its applications. More specifically-

1. Enabling students to develop a positive attitude towards mathematics as an interesting and valuable subject of study.
2. A student should get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.
3. Ability to analyze a problem, identify and define the computing requirements, which may be appropriate to its solution.
4. Introduction to various courses like group theory, ring theory, field theory, metric spaces, number theory.
5. Enhancing students overall development and to equip them with mathematical modelling abilities, problem solving skills, creative talent and power of communication necessary for various kinds of employment.
6. Ability to pursue advanced studies and research in pure and applied mathematical science.

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Department of B.Com.

Programme Outcomes after the completion of Course:

1. The Commerce graduates would be able to acquire the fundamental knowledge of business and commercial activities.
2. The programme enables the graduates to appear exams such as Banking, CA, CS, ICWA etc.
3. The programme helps the students to acquire the knowledge of accountancy, management principles, insurance transactions, business economics and financial management.
4. The students also obtain knowledge in the field of management accounting, corporate accounting, statistical and mathematical techniques and knowledge related to corporate law and business laws.
5. The students can have various opportunities in business, banking and industry.