Program Specific Outcomes

Choice Based Credit System - 2019 (A.Y. 2019-20)

Faculty of Arts

B. A. Geography -

1. Understand the nature and basic concept of Geomorphology, Climatology, tourism geography, Regional geography.
2. Knowledge of geographic terms, concepts and theories.
3. Development of map preparation and map reading skills.
4. Useful in the competitive examinations.
5. The geographical maturity of students in their current and future courses shall develop.
6. The student develops theoretical, applied and computational skills.

M.A. / M.Sc. Geography

1. Knowledge of geographic terms, concepts and theories.
2. Development of map preparation and map reading skills.
3. Ability to use geographical research methodologies and research projects.
4. Useful in the competitive examinations.
5. Development of individuals as cartographers, surveyor, GIS and remote sensing Field, Urban & regional planner, Climatologist, geomorphologist, demographer, etc.

B. A. - Political Science

1. Students are informed about the contributions of Western Political Thinkers to the background of Political Theory
2. Students are acquainted with the active role of political journalism in democracy
3. The study of the constitution of India creates the ideal citizens in society
4. Students are able to understand the role of public administration in modern welfare state
5. The study of international politics creates a sense of universal brotherhood among the students

M. A. - Political Science

1. To create awareness of democratic values and political rights among students for Parliamentary Democratic System.
2. Students are able to understand the political and social issues for development of India.
3. It helps the students to understand the key dimensions of Indian administration functioning at different levels.
4. It helps to understand the roll of India's foreign policy in universal welfare.

B. A. - History

1. The history of Early India is a crucial part of Indian history. It is a base for understanding the entire Indian history. The attempt is also to instill the spirit of enquiry among the students.
2. To study administrative Institutions of the Maratha. To examine role of Marathas and regionality in National politics of 18th Century India.

3. To learn foundation of Delhi Sultanate and Sultanate Administration. To understand the analytical studies of Medieval South India.
4. This paper is designed to introduce the students to the history of the Modern World with its socio-religious, political and economic developments.
5. It will get students acquainted with the major nationalist movements, the World War II and its consequences, the Cold War and its Consequences. This paper is designed to introduce the students to Tourism Management.
6. It will enable student to seek self-employment by starting their own Travel Agency related to business. To orient the students with political history of Modern World.
7. To study the Various Views of Historiography.

M. A. History
1. The course intends to provide an understanding of the social, economic and institutional bases of early India.
2. To acquaint the student with the nature of Maratha Polity. This paper is designed to emphasize the background of the Dalit movement which flourished in the twentieth century.
3. The paper is designed to make the student aware about the various approaches to the discipline of History the course examines the nature of medieval Indian society,
4. The paper attempts to help students to understand the ideology of Dr. Babasaheb Ambedkar who was the unchallenged leader of the Dalit Movement.
5. To acquaint the student with the intellectual activity that played an important role in shaping events; the transition from medieval to modern times.
6. To introduce the student to some of the issues that that have been debated by historians and to introduce some perspectives with reference to Indian History.
7. To acquaint the student with the post-World War II scenario

B. A. – Marathi (बी.ए. मराठी)
1. G-१ सत्र १ ले मराठी साहित्य : कथा आणि भाषिक कौशल्यविकास सत्र २ रे मराठी साहित्य : एकांकिका आणि भाषिक कौशल्यविकास
2. G-१ सत्र १ ले भाषा,साहित्य आणि कौशल्यविकास सत्र २ रे भाषा आणि कौशल्यविकास (प्रथम वर्ष वाणिज्य)
3. G-२ आधुनिक मराठी साहित्य व उपयोजित मराठी
4. S-१ मराठी साहित्यातील विविध साहित्य प्रकार
5. S-२ अर्वाचीन मराठी वाङ्मयाचा इतिहास
6. G- ३ आधुनिक मराठी साहित्य व उपयोजित मराठी
7. S-3 साहित्य विचार
8. S-4 भाषाविज्ञान- वर्णनात्मक व ऐतिहासिक

M. A. – Marathi (बी.ए. मराठी)
1. सत्र १ ले व्यावहारिक आणि उपयोजित मराठी भाग १
2. सत्र २ रे व्यावहारिक आणि उपयोजित मराठी भाग 2
3. सत्र १ ले मध्ययुगीन मराठी वाङ्मयाचा इतिहास -प्रारंभ इ १६००. ते १८१८
4. सत्र २ रे मध्ययुगीन मराठी वाङ्मयाचा इतिहास -प्रारंभ ते इ . स .१६०० ते १८१८
5. सत्र १ ले भाषाविज्ञानवर्णनात्मक -
6. सत्र २ रे भाषाविज्ञान- सामाजिक

7. सत्र १ ले ग्रामीण साहित्य
8. सत्र २ रे दलित साहित्य
9. सत्र ३ रे प्रसारमाध्यमे आणि साहित्यव्यवहार
10. सत्र ४ थे साहित्य समीक्षा व संशोधन
11. सत्र ३ रे विशेष लेखकाचा अभ्यास मध्ययुगीन /अर्वाचीन
12. सत्र ४ थे लोकसाहित्याचे मुलतत्वे आणि मराठी लोकसाहित्य

B. A. – English
1. To impart cultural values and the idea of inclusion. 2. To introduce the students to the patterns of socio economic and other values in different/alien cultures. 3. To instill the communicative power English language. 4. To improve vocabulary and language proficiency. 5. To develop analytical and critical skills among the students. 6. To introduce a few Indian, and Western writers. 7. To acquaint the students with the varieties of self-expression. 8. To improve grammatical and communicative competence.

M. A. – English
1. To provide learners some basic information about England's political, social and cultural developments during the period prescribed for study. 2. To enable them to critically assess the 'universal' values that writers tend to project in their writings. 3. To enable them to critically assess the 'universal' values that writers tend to project in their writings. 4. To help learners apply the literary-critical principles they study in the paper 'Literary Criticism and Theory' to the texts prescribed or to any other text they read. 5. To encourage students to read histories of English Literature and some critical works/commentaries on each text and author. 6. To introduce the characteristics and basics of all major approaches along with brief summary of the contexts that necessitated their emergence and made them relevant. 7. To introduce of PPTs and other ICT- based teaching methods. 8. To explain the relevance of these approaches to the present literature and language study by applying the approaches to texts.

B. A. – Economics
1. Student is expected to understand the behavior of an economic agent, namely, a consumer, a producer, & the price fluctuation in a market. 2. Student is expected to understand the basic concept of Macro Economics & application. 3. Understanding & deep knowledge about the basic principles that tend to govern the free flow of trade in goods & services at the global level. 4. Expected to learn various statistical tools, techniques, data collection, presentation, and analysis.

M. A. – Economics
1. To understand of Problems and Policies in Indian Labour Market. 2. Indian Agricultural Problems and Remedies & Comparison with Developed Countries. 3. To study quantitative and the qualitative aspects and characteristics of the population through various demographic techniques. In recent times, gender characteristics of the population. 4. Elementary knowledge of research methodology shall consolidate and deepen their understanding of various branches of Economics.

Faculty of Commerce

B.Com - Business Entrepreneurship
1. To create entrepreneurial awareness among the students. 2. To develop Entrepreneurial competencies among students 3. To Develop Knowledge and understanding in creating and managing new venture 4. To Help students to bring out their own business plan 5. To develop the Knowledge and understanding of behavioral aspects of entrepreneurship 6. To acquaint students with the behavioral aspects of members of the team or employees

B.Com - Cost and Works Accounting
1. To Study by Basic Cost concepts 2. To Study will be Ascertainment of Material and Labour Cost 3. To provide Knowledge about the concepts and principles application of Overheads 4. To provide also understanding various methods of costing and their applications. 5. Impart knowledge regarding costing techniques. 6. To provide training as regards concepts, procedures and legal Provisions of cost audit.

B.Com - Banking and Finance
1. Students are made aware with new development and innovations in Banking and Financial Sector. 2. In-depth knowledge of various features of banking which includes Financial Investment, Economics, Legal Parameters. 3. Students are made self-sufficient to conduct their own transactions and investments in Banks and Finance companies. 4. Carry out advanced research in the field of commerce, banking and Finance 5. Acquire knowledge on Banking system and Banking Regulation Acts pertaining to it. 6. To Create basic conceptual knowledge about the core banking

M.Com. Business Administration
1. To understand and develop deep insight of Production & Operation Management 2. To utilize the information to reach an optimum conclusion by a process of reasoning 3. To Study Will Be Business Ethics and Professional Values 4. To Study Will Be scope of element of Knowledge management 5. To Study Recent Scheme of Development of micro small & medium enterprises

M.Com. Advanced Accounting & Taxation
1. To Study will be lay a theoretical foundation of Accounting & Accounting Standards 2. To Study will be To gain ability to solve problems relating to Corporate Accounting 3. To understand principles underlying the Service Tax 4. To understand basic concepts of VAT, Excise Duty and Customs Duty 5. To Study will be develop competency of students to solve problems relating Special areas in accounting including accounting for Services Sector

M.Com. Advanced Cost Accounting & Cost System
1. To provide knowledge on recent advances in cost accounting and cost systems 2. To Study will be Cost Audit – Planning & Execution and Numerical Problems on Cost Audit 3. To equip the students with the knowledge of the techniques and methods of planning and executing the Management Audit 4. To Study will be Relevant Cost Accounting Standard are to be studied 5. To equip the students for designing and implementing cost control, cost reduction programme and different cost systems

Faculty of Science

B.Sc. - Botany
1. **Knowledge and understanding** of the range of plant diversity in terms of structure, function and environmental relationships. The role of plants in the functioning of the ecosystem 2. **Intellectual skills**: able to think logically and organize tasks into a structured form. Assimilate knowledge and ideas based on wide reading and through the internet. 3. **Practical skills**: Students learn to carry out practical work, in the field and in the laboratory, with minimal risk. They gain introductory experience in applying each of the following skills and gain greater proficiency in a selection of them depending on their choice of optional modules. a. Interpreting plant morphology and anatomy. b. Plant identification. c. Vegetation analysis techniques. d. A range of physiochemical analyses of plant materials in the context of plant physiology and biochemistry. e. Analyze data using appropriate statistical methods and computer packages. f. Plant pathology to be added for sharing of field and lab data abstained. 4. **Scientific Knowledge**: Apply the knowledge of basic science, life sciences and fundamental process of plants to study and analyze any plant form. 5. **Problem analysis:** Identify the taxonomic position of plants, formulate the research literature, and analyze non reported plants with substantiated conclusions using first principles and methods of nomenclature and classification in Botany. 6. **Design/development of solutions**: Design solutions from medicinal plants for health problems, disorders and disease of human beings and estimate the phytochemical content of plants which meet the specified needs to appropriate consideration for the public health 7. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern instruments and equipment's for Biochemical estimation, Molecular Biology,

Biotechnology, Plant Tissue culture experiments, cellular and physiological activities of plants with an understanding of the application and limitations.

8. **Environment and sustainability**: Understand the impact of the plant diversity in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
9. **Ethics**: Apply ethical principles and commit to environmental ethics and responsibilities and norms of the biodiversity conservation.

M.Sc. - Botany

1. Students pursuing this course will develop comprehensive understanding of different branches of botany.
2. Students will also develop practice of using different mathematical / statistical methods required in research.
3. Problem solving skills will also get developed.
4. Technical/experimental skills will be acquired through project course.
5. Accomplishment of different experimental and analytical techniques like microscopy, spectroscopy, centrifugation, gel electrophoresis etc.

B. Sc. (Electronic Science)

1. Analyze, plan and apply the acquired knowledge in basic sciences in solving Electronics problems
2. Apply digital logic to design linear and digital IC systems
3. Design, build and test analog & digital electronic systems for given specifications.
4. To inculcate conceptual understanding in basic phenomena, materials, devices, circuits and products
5. Development of appropriate practical skills suitable for industrial needs

M. Sc. (Electronic Science)

1. Gain in depth understanding various aspects of the Electronics through theory and practical's of Analog, digital systems
2. Acquire the working principles, design guidelines and experimental skills associated with different Semiconductor devices and circuits
3. Understand the mathematical and analysis techniques, electromagnetic and instrumentation principles.
4. Learn the design methodologies for digital and embedded systems
5. To get aware of theory and practicals of communication electronics, Digital signal processing and control systems.
6. Learn Antenna parameters, Antenna softwares, Microwave and satellite communications, various applications software, circuits and systems.
7. Learn Human right, Robotics skill development courses.
8. Students are expected to complete application oriented projects using different microcontrollers and using different softwares (XILINX, C, MATLAB, AVR, PIC) which developed research oriented skills.
9. Students will acquire information of PLD, CPLD, FPGA and their applications
10. Students will handle the sophisticated instruments/equipment

B.Sc.- Mathematics
1. Have developed an understanding of basic underlying structures of mathematics e.g. Sets, relations, functions and be well trained in basic manipulative skills involving algebra, geometry, trigonometry, differential equations and calculus 2. Be able to transmit mathematical statements, ideas and concepts clearly and effectively both orally and in writing with appropriate use of mathematical terminologies, notations, precise language and accurate proof technique 3. Get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning etc. 4. Gain exposure to a variety of areas of mathematics and related fields such as computer science, the natural sciences, business and economics 5. Be trained in using various computer algebra systems like maxima, sage and typesetting software like latex 6. Get adequate exposure to global and local concerns that explore them many aspects of mathematical sciences. 7. Be able to apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.

M.Sc.- Mathematics
1. Receive a broad common frame work, for exchange, mobility and free dialogue across the Indian Mathematical and associated community. 2. Understand the proof techniques in Mathematics and importance of theorems for solving problems of varying difficulty levels. 3. Acquire sufficient technical competence to solve the problems of varying difficulty levels and high notational complexity. 4. Make observations, experimentation which would stimulate the research potential 5. Have developed problem solving skills 6. Become a good ambassador of mathematics

B.Sc.- Chemistry
1. Learn about chemistry with both theory and practical. 2. To explain chemical reaction names, stereochemistry, structures, reactivity, and mechanism. 3. Solve numerical problems by identifying chemical formulae. 4. Modern chemical tools, such as models, chem.-draw, charts, and equipment, should be used... 5. Understand the link between structure and activity. 6. Know how to conduct yourself in a laboratory and how to keep yourself safe. 7. Improve your research skills. 8. Make you aware of the complex instruments/equipment and how to handle them

M.Sc.- Analytical Chemistry
1. Learn about the potential uses of analytical industrial chemistry. 2. Carry out experiments in the area of organic analysis, estimation, a separation, derivation process, conducts metric and potentiometricanalysis. 3. Learn the classical status of thermodynamics. 4. Gathers attention about the physical aspects of atomic structure, various energy transformation, molecular assembly in Nano level andsignificance of electrochemistry. 5. Understand good laboratory practices and safety. 6. Introduce advanced techniques and ideas required in developing areaof Chemistry. 7. Make aware and handle the sophisticated instruments/equipments. 8. Enhance students" ability to develop mathematical models for

M.Sc.- Organic Chemistry
1. Know the structure and bonding in molecules/ ions and predict the Structure of molecule/ions. 2. Understand the various type of aliphatic, aromatic, nucleophilic substitution reaction 3. Understand and apply principles of Organic Chemistry for understanding the scientific phenomenon in Reaction mechanisms 4. Learn the Familiar name reactions and their reaction mechanisms. 5. Understand good laboratory practices and safety. 6. Study of organometallic reactions. 7. Study of free radical, bicyclic compound, conjugate addition of Enolates and pericyclic reactions. 8. Study of biological mechanisms using amino acids.

B. Sc. (Zoology)
1. Analyze, plan and apply the Applied knowledge in Animal Sciences 2. Apply knowledge of Animals, insects, Birds and reptiles for the benefits of society 3. To inculcate interest of the students in Animal sciences by giving direct exposure in the field 4. To inculcate conceptual understanding in Animal sciences by field visits 5. Development of appropriate practical skills with commercial approach

M. Sc. (Zoology)
1. Design/development of solutions: Design processes/strategies that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations 2. Modern tool usage: Create, select, and apply appropriate techniques, resources, and ICT tools for understanding of the subject. 3. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change 4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions in real situations.

B. Sc. (Physics)
1. Understanding of core knowledge on various papers of Physics. Clear the concepts which help them in understanding physical phenomenon in nature. 2. Demonstrate skills and competencies to conduct scientific experiments related to Physics. 3. Identify their areas of interest and further specialize in the Physics. 4. Analyze situations, search for truth and extract information, formulate and solve problems in a systematic and logical manner. 5. Possess advanced knowledge and skills in job market for various technical industries.

M. Sc. (Physics)
1. Develop the ability to understand, demonstrate, identify, analyze and apply the skills and knowledge gained from foundational courses of humanities, sciences and commerce, and relate these fundamentals with core subjects in the relevant field. 2. Understanding basic skills and principles of science by developing and engaging them in life-long learning with effective skills inculcating quality of reasoning, logic, analysis and communication. 3. Ability to work in teams and learn by participating in Technical Events and Social Welfare Programs and develop the attitude for working efficiently as an individual and in cross- disciplinary teams to become better citizens in multicultural world. 4. Analyze the application of mathematics to problem in physics & development of mathematical method suitable for such application & for formulation of physical theories. 5. Understand fundamental theory of nature at small scale & energy levels of atom & subatomic particles.

Department of Physical Education
1. To provide a practical, convenient means for assessing cardio respiratory fitness. 2. To measure cardio respiratory endurance. 3. To measure the hip and back flexion as well as extension of hamstring muscles of legs. 4. To measure dynamic endurance of abdominal muscles. 5. To measure the dynamic muscular endurance of the arms and shoulder girdle.

B. Voc. - Renewable Energy Management
1. Provide judicious mix of skills to a profession and appropriate content of general education 2. Students will gain adequate knowledge and skills, so that they are work ready at each exit point of the program 3. To integrate NSQF within the undergraduate level of higher education in order to enhance employability of the graduates and meet industry requirements. Such graduates a part from meeting the needs of local and national industry are also expected to be equipped to become part of the global workforce. 4. To familiarize with current and recent scientific and technological development 5. Development of appropriate practical skills suitable for industrial needs

B. Voc. - Analytical Techniques in Pharmaceutical Analysis
1. Students can achieve knowledge of topics in physical chemistry. 2. Can learn methods of spectroscopy, Organic reactions. 3. Students can acquire knowledge of Co-ordination chemistry. 4. Student can get knowledge of Chromatography, HPLC, AAS spectroscopy etc. 5. They can achieve real knowledge by learning various techniques which are used in Industries.

B. Voc. - Green House Management
1. Hi tech applications will serve the need of greenhouse management 2. Students will gain adequate knowledge and skills in all the aspects of the Programme 3. To integrate NSQF within the undergraduate level of higher education in order to enhance employability of the graduates & meet industry requirements. 4. To familiarize with high tech agricultural practices for the production of quality of agriculture products 5. Development in hands on training with practical skills suitable for needs

Diploma in Medical Lab Technician
1. The certificate obtained will be for obtaining jobs in a various fields of healthcare sector and even in other sectors as a lab technician. 2. Student can start own Laboratory or can associate with any kind of laboratory or associated jobs with acquired skill and full confidence. 3. Students will understand how modern techniques are used to solve the problems in healthcare and allied sectors. 4. The skilled personnel in subject also work in another sector like pharmacy, food, agro, cosmetics etc. 5. These course introduced the fascinating aspects of human physiology & anatomy within students studied various systems like circulatory system, digestive system, respiratory system, excretory system etc.

PRINCIPAL
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