

Programme Specific Outcomes (PSOs)
INTENRAL QUALITY ASSURANCE CELL
Programme Specific Outcomes (PSOs)
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PSOs of B. A.-Marathi

- BA Marathi is a traditional graduate degree course. After studying course students will be able to get various employability options.
- Marathi is local & mother tongue so it is more convenient & effective, proper medium of giving & taking of various types of information & knowledge. With the help of these it is beneficial to introduce human values & their importance in life among the students.
- With the help of the study of these course student can introduce various types of literary form specially in Marathi literature like gramin, dalit, srivadi, adivasi so that student can understand & sensitize various life shade & how people living in different conditions. It helps student to realize reality & inspiration to write new literary creation.
- This course help student to inculcate their knowledge about society, literature, literary criticism & culture.
- BA Marathi course teaches language & literature as well as Applied Marathi language which can make student to get employability in the field of media like
- T.V. radio, advertisement, translation & to prepare competitive exam studies.
- BA Marathi is important especially for to make sensitize student to become responsible citizen in society.

PSOs of B.A. Hindi

बी. ए. (हहदी)

- PSO1:** बी.ए. हहदी एक परंपरागत उपाधध ह। हहदी भाषा में उपाधध स्तर की पढाई के बाद धिद्यार्थियों के धिए रोजगार के कई अिसर प्राप्त होते ह। (BL6).
- PSO2:** यह परंपरागत कोस मानिीय मूल्यों संिेदनाओं, इंसानीयत, नैधतकता, जीनि मूल्य, दशभधि, सांस्कृतक पृष्ठभूमि, संस्कार आ दद आयामों को िेकर भी धिद्यार्थियों को ताकतििर (BL6). बनाता ह।
- PSO3:** िेखक और कधियों द्वारा धिखे गए धिधिध धिधाओं के पाठ धिद्यार्थियों के स्तर, उमर और मानधसक धिकास को ध्यान में रखकर रखे जाते ह। इन पाठों का उदक्ष्य भारत का भधिष्य उज्जि और तेजोमय हो ऐसी अपेक्षा (BL3). होती ह।
- PSO4:** समाचार िेखन, रेधडयो िातः िेखन, धिज्ञापन िेखन, प्रयोजनमूिक हहदी, संप्रेषणमूिक हहदी, अनुिाद, मीधडया िेखन, हहदी में कंप्युटर का ज्ञान, अशुधि शोधन आ दद पाठों से जुडा पाठ्यक्रम रोजगार तथा हहदी भाषा की व्यािसाधयक, व्यािहारक और व्यापारक सफिता को ा (BL6). उजागर कर दत ह।
- PSO5:** बी. ए. हहदी की उपाधध प्राधत के बाद कई धिद्यार्थी इन कोसों में आगे की पढाई के धिए जा चुके ह। पत्रकारता, अनुिाद, धशा संस्थानों, उद्योग और व्यापार, बैंक आदद क्षेत्रों में काम कर रहे हैं और धजम्मेदार भारतीय नागरक होने के नाते अपना योगदान भी दे रहे ह। (BL6)
- PSO6:** हहदी साधहत्य, समीक्षा, प्रादधशक भाषा साधहत्य तथा व्यािसाधयक-प्रयोजनमूिक हहदी के पाठों को पढकर धनपुण बना धिद्यार्थी एम.ए., बी.एड., एम. दफि., पीएच.डी., पत्रकारता, अनुिाद जैसे कई क्षेत्रों में अपनी पढाई आगे जारी रखता ह। (BL6)
- PSO7:** संपूण पढाई के बाद उसके रोजगार के अिसर और उसमें सफि होने का प्रधतशत भी बढ जाता ह। अथासत बी. ए. हहदी की उपाधध पाने के बाद पररपूण बना धिद्यार्थी एक धजम्मेदार इंसान बनकर अपने घर-गांि और दश के धिए योगदान दे रहा ह। (BL6)

ा हा।

PSOs of B. A. English

After completion of the course, students will be able to -

- Analyze the structure of English phonology.
- Speak English in an accent that is understood by a majority of English speakers in Europe.
- Understand the basic principles of phonetics and phonology, in general but also in particular in relation to English.
- Recognize and use standard descriptive terminology for phonetics and English phonology.
- Identify and describe some non-standard varieties of spoken English.
- Know the International Phonetic Alphabet.
- Understand and evaluate speech mechanism, classification of sounds, description of consonants and vowels, the syllable, word accent, intonation and phonetic transcription.
- Understand noun phrase, verb phrase, adjective phrase, adverb phrase, prepositional phrase, complex phrase and subordinate clauses.
- Understand the structure of English language.

PSOs of B.A. Sanskrit

- Students graduating in this course can gather the linguistic features and literary aspects of Sanskrit language.
- Students will specialize the moral, social and philosophical values in ancient Sanskrit literature.
- They will develop the ability of comparison by the study of ancient and modern Sanskrit education, culture and literature.
- Learners of this course will be encouraged for the appreciation and creativity of Sanskrit literary aesthetics.
- Students can develop their interest in Sanskrit and thus work to rejuvenate the language.
- They can go for Postgraduate course in Sanskrit.
- Students can analyze the moral and human values through the study of Sanskrit

literature which will be beneficial to their day-to-day life.

- Students can develop their interest in literary sources given in Sanskrit Literature.
- They can improve their communication skills by the study of Sanskrit grammar which will enhance their impressive personality.
- The knowledge of this course will be helpful for students to apply the Sanskrit knowledge.

➤ **PSOs of B. A. Sociology**

- Improving the ability to design and implement social research.
- Comparing between the quantitative and qualitative methods in developing the research methodology.
- The ability to demonstrate sociological understanding of phenomena for example how Individual biographies are shaped by social structures social institution cultural practices and multiple axes of difference and inequality.
- Acquaintance with social transactions, social relations, social formations, Social control, social values and culture.
- Knowing the significance of social institution, caste system, religion, Nationalism, integrity, equality and justice.
- Applying the knowledge of the works of social reformers all over the Nation.
- Develop ability to follow new stream of thoughts and theories of social thinkers.
- Getting the deep knowledge about various social groups like tribal Community, women bulk etc.
- To apply the different theoretical and sociological schools and concepts.

PSOs of B.A. Economics

- To analyze how cultural, historical, geographical, political, linguistic, and environmental forces shape the world and recognize the role of the individual within communities to effect change.
- Analyze and critically reflect on complex problems incorporating multiple perspectives and innovative thinking.
- Engage in scholarly inquiry to identify and investigate questions of a theoretical and/or applied nature. Demonstrate detailed knowledge in one or more disciplines and integrate knowledge and perspectives across disciplinary boundaries.
- Demonstrate personal integrity and professional behavior in scholarly endeavors and in collaborating with others within and beyond the academic community.

PSOs of Political Science

- The B.A. graduates will be acquainted with the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking.
- The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.
- Students will understand the need for a constitution and explain the role of constitution in a democratic society.
- Students will be able to explain the Governmental mechanism from Gram panchayat to Parliament and can suggest solutions over various issues in its functioning and implementation.
- To understand political concepts and ideology to analyze new situations.
- Students can work as political analyst, political party adviser, as a research scholar or can be a free-lance political thinker and writer.
- The impact of political developments towards decentralization and regionalization in many national contexts.

PSOs of B.A. History

- The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.
- The B.A. graduates will be acquainted with the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking.
- The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.
- The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.
- The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.
- Programme provides the base to be the responsible citizen.
- Bachelor of Arts student, will build interdisciplinary knowledge, community leadership and cultural awareness, and graduate with the skills necessary to succeed in the rapidly changing global workplace.

PSOs of B.Sc. Physics

- Demonstrate knowledge of selected topics from mechanics, Heat, Thermodynamics, optics etc. and apply this knowledge to analyze a broad range of physical phenomenon.
- Learn the concept of Quantum mechanics, relativity introduced at degree level in order to understand nature at atomic level.
- Demonstrate proficiency in mathematical and mathematical concepts needed for a proper understanding of physics.
- Learn the structure of solid material and their different physical properties.
- Learn Laboratory skills, helping them to take measurement in a physics laboratory and analyze the measurement to draw valid conclusions.
- Demonstrate written and oral communication skills in communicating Physics related topics.

PSOs of B.Sc. Chemistry

- Students understand the basic principles of chemical sciences.
- Students acquire the knowledge of basic and applied chemistry.
- Study of physical properties of matter - melting point, boiling point, surface tension, viscosity, optical activity etc.
- The obtained knowledge is quite promising and forms the foundation of advanced knowledge in further higher education.
- Students understand basic mathematical concept and their applications in practical.
- Students understand different methods of compound analysis.
- Students understand the role of chemistry in daily life.
- Students learn the chemical composition of some of the products of routine use –fats, oils, soaps etc.
- Students can handle basic and modern instruments independently.
- Students understand and follow safe laboratory practices.
- Students learn problem solving approach.

- The learners get the basic understandings of research- data generation, collection, conclusions and report writing.
- The programme makes students able to qualify competitive exams such as GATE, SET, NET-JRP.
- Students become able to get jobs in industries, laboratories and teaching profession.
- Students are able to get highly responsible positions in scientific, industrial and academic sectors.

PSOs of B. Sc. Mathematics

- The course increases the thinking capacity of the students.
- The course develops the skill of applications of mathematics to the real value problems.
- The course enables to study the numerical methods for the problems.
- The course gives the ideas of number systems and their extension.
- The course gives the ideas and methods to solve different differential equations.
- The course enables to learn abstract mathematics.
- The course enables to generalize the ideas in mathematics.

- The course gives the ability to solve linear differential equations of n^{th} orders.
- The course is able to conduct the self-evaluations and continuously enrich them through lifelong learning.
- The course is able to setup mathematical models of real world problem and obtain their solutions.

PSOs of B. Sc. – Botany

- A degree with Botany is applicable to various careers for students.
- Some Botanists work primarily outdoors, in forests, or fields for identification of Plants.
- Others work in laboratories, museums, in botanical gardens, or in industry.
- Graduates go into fields to study diversity of plant, environmental monitoring and protection, and agriculture in seed companies.
- More than half of Botany students go on to post graduate/higher studies in natural science, agriculture, environmental sciences, and education.
- Students can work to develop organic farming bio-fertilizers production.
- Forest Services in Forest Department.
- Pharmaceutical industries.
- Botanical garden, landscaping.
- Plant Nurseries and plant multiplications.
- Breeding technician.

PSOs of B. Sc. Zoology

- The B. Sc. Programme develops scientific principles, behaviors, evolution and physiological aspects of animals.
- The qualities of a science - Identification, classification, observation, clarity of thought and expression, systematic approach, morphological and anatomical knowledge making are confirmed.
- The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.
- This programme updates the knowledge of learners to formulate and study of biodiversity.
- This programme enables the learners to perform the jobs in diverse fields such as Forest department, Genetic engineering, Zoological survey of India, Agricultural sector, Academicians, self-business etc.
- The stable aptitude to carry out the project works relevant to future applications in biology, chemistry, pharmaceuticals, medicine, and agriculture.
- Acquire the base step to become an entrepreneur, consultant, medical coder and research analyst in modern biological and medical research and development which cannot be done without bioinformatics.
- Gaining the capacity to access and do application research in web-based programs and databases.
- Obtained knowledge to write competitive exams in Life Sciences.
- Getting basic acquaintance in copyright and patent issues.
- To understand the basic technique in biological sciences and implement in the application oriented fields.
- Helps every candidate to analyze the software for data studies and comparisons and provides tools for modeling, visualizing, exploring and interpreting data.
- Focuses on employing existing bioinformatics resources - mainly web-based programs and databases.
- To access the wealth of data to answer questions relevant to the average biologist, and is highly hands-on.
- The main goal of the M.Sc. Bioinformatics to convert multitude of complex data into

useful information and knowledge.

- The course is intended to describe not only with the programming languages but it covers the proteomics, genomics, cell and molecular biology, genetic engineering, biochemical pathways etc., relevant to the improvement and development of mankind and industrial application purposes.
- The Research work in the area like genetic diseases and medical genomics is increasing rapidly and resulting in the future development of personalized medicine depends only on bioinformatics approaches.

PSOs of M.Sc. – Physics

Students Post graduating with M. Sc. in Physics are able to

- Understand basic laws of physics, their corollaries, and comprehension of how they can be applied to explain specific natural phenomena within classical mechanics, electricity and magnetism, thermal and statistical physics, modern physics including quantum mechanics and relativity.
- Develop Problem solving skills and relevant mathematical methods to approach, conceptualize, and achieve analytical Solutions to physics problems.
- Develop research skills which might include advanced laboratory techniques, communication skills, apply theoretical knowledge of principles and concepts of Physics to practical problems.
- Demonstrate the use of critical thinking, hypothesis building, and application of the scientific method to physics concepts.
- Pursue physics as a teaching and research career and doing job in various industries, colleges etc.

PSOs of M.Sc. Chemistry

Students Post graduating with M. Sc. in Chemistry are able to

- Students can apply the knowledge of basic concepts to advance studies- named reactions, reagents, heterocyclic compounds, natural products in living organisms and their roles.
- Students understand the subject deeply and can develop appropriate approach towards the subject.
- Students learn the handling of instruments.
- Students learn different spectral methods of analysis for structure elucidation.
- Students acquire the knowledge of drugs design and retro-synthetic approach.
- Performing reactions, monitoring them independently and characterizing the products which are the foundations of industries.