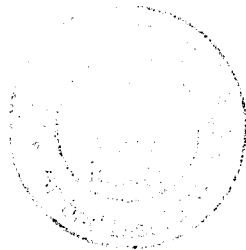


MSS's Arts Commerce and Science College Ambad Dist. Jalna
Programme Specific Outcomes

Name of the Department

- 1. English**
- 2. Marathi**
- 3. Hindi**
- 4. Botany**
- 5. Chemistry**
- 6. Computer Science**
- 7. Environmental Science**
- 8. Mathematics**
- 9. Microbiology**
- 10. Physics**
- 11. Zoology**
- 12. Physical Education**
- 13. Psychology**
- 14. Home Science**
- 15. History**
- 16. Political Science**
- 17. Sociology**
- 18. Economics**
- 19. Commerce**
- 20. BCA**



Department of Marathi

Programme Specific Outcomes

पदवी व पदव्युत्तर अभ्यासक्रम

अभ्यास पत्रिके सह

- पेपर 1 या अभ्यास पत्रिकेतून मानवी भावभावनांचे मूल्य रुजविले जाते परिणामस्वरूप समाजात मानवतावाद रुजविल्या जातो
- पेपर 2 या अभ्यास पत्रिकेतून दुकश्राव्य माध्यमाद्वारे सामाजिक प्रश्नांची जाणीव विद्यार्थ्यांना करून दिली जाते
- पेपर 3 या अभ्यास पत्रिकेतून मनोरंजनाबरोबरच उद्बोधन प्रबोधन केले जाते
- पेपर 4 या अभ्यास पत्रिकेतून विद्यार्थ्यांच्या सर्वांगीण विकासासाठी विविध कौशल्यांचा विकास साधला जातो
- पेपर 5 या अभ्यास पत्रिकेतून समाजाच्या जडणघडणीचा इतिहास उलगडून भूतकाळावरून भविष्याचा वेध घेतला जातो
- पेपर 6 या अभ्यास पत्रिकेतून विद्यार्थ्यांनी प्रति कौशल्य विकसित केले जातात
- पेपर 7 या अभ्यास पत्रिकेतून महामानवांचे चरित्र आत्मचरित्र वाचून सामान्यजनांना व विद्यार्थ्यांना प्रेरणा मिळते
- पेपर 8 या अभ्यास पत्रिकेतून व्यवसाय कौशल्य विकसित केली जातात
- पेपर 9 या अभ्यास पत्रिकेतून विद्यार्थ्यांना नैतिक मूल्यांची शिकवण दिली जाते
- पेपर 10 या अभ्यास पत्रिकेतून विद्यार्थ्यांचे भाषिक कौशल्य विकसित करून भाषिक ज्ञान विकसित केले जातात
- पेपर 11 या अभ्यास पत्रिकेतून विद्यार्थ्यांवर भक्ती समर्पण व संस्काराची रुजवण केली जाते
- पेपर 12 या अभ्यास पत्रिकेतून विद्यार्थ्यांना संशोधन कौशल्यांची ओळख करून दिली जाते
- पेपर 13 या अभ्यास पत्रिकेतून पाश्चात्य साहित्य मूल्यांची ओळख करून दिली जाते
- पेपर 14 या अभ्यास पत्रिकेतून प्रत्यक्षात संशोधन कौशल्य व मूल्ये शिकविली जातात
- पेपर 15 या अभ्यास पत्रिकेतून विविध साहित्यातील रसांची ओळख करून दिली जाते
- पेपर 16 या अभ्यास पत्रिकेतून संशोधन मूल्ये प्रकल्प कार्य संशोधन कार्य मुलाखत इत्यादी व्यावसायिक कौशल्य साधली जातात

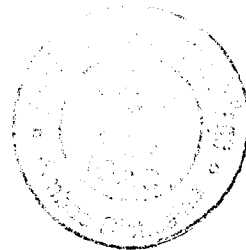
पेपर प्रथम वर्ष बीए बीकॉम बीएस्सी (द्वितीय भाषा मराठी)

या अभ्यास पत्रिकेतून विविध कथा(गद्य) कविता (पद्य) या माध्यमातून विविध नैतिक व मानवी मूल्यांची ओळख करून दिली जाते तसेच ती मुले समाजात रुजविण्याची विद्यार्थ्यांची मानसिकता तयारही केली जाते

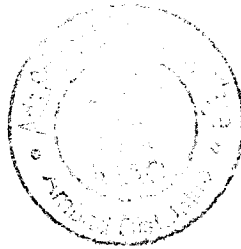
पेपर द्वितीय वर्ष बीए बीकॉम बीएस्सी(द्वितीय भाषा मराठी)

या अभ्यास पत्रिकेतून ज्ञान मनोरंजनाबरोबरच प्रबोधनाची मूल्ये विकसित केली जातात

पदव्युत्तर विभाग



- पेपर 1 अभ्यास पत्रिके मधून समाजमनाची दर्शन घडविले जाते
- पेपर 2 अभ्यास पत्रिके मधून साधक-बाधक चर्चा करून साहित्यमूल्य रुजविले जातात
- पेपर 3 या अभ्यासक्रमातील विद्यार्थ्यांचे लेखन कौशल्य प्रगत केली जाते
- पेपर 4 या अभ्यास पत्रिकेतून मानवतावादी दृष्टिकोन रुजविणे
- पेपर 5 विविध वाङ्मयीन मूल्यांचा विकास घडवून आणणे
- पेपर 6 विविध कलाकृतींचा दर्जा ठरवून वाचन संस्कृती रुजवली जाते
- पेपर 7 लेखन कौशल्य विकसित केले जाते
- पेपर 8 व्यक्तिमत्व विकासाची जडणघडण करणे
- पेपर 9 विविध भाषेत कौशल्य जतन करणे
- पेपर 10 दलित आदिवासी समाज दर्शन घडविणे
- पेपर 11 लोकसाहित्यातून पारंपारिक मूल्यांची रुजवण केली जाते
- पेपर 12 प्रादेशिकतेचे दर्शन घडविणे
- पेपर 13 भाषेचे महत्व अधोरेखित केले जाते
- पेपर 14 ग्रामीण संस्कृती आणि स्त्री पुरुष समानता मूल्य रुजविले जाते
- पेपर 15 या अभ्यास पत्रिके मधून मूल्याची देवाण-घेवाण केली जाते
- पेपर 16 या अभ्यास पत्रिकेतून भाषेची शास्त्रशुद्धता स्पष्ट केली जाते



Department of Hindi

Programme Specific Outcomes

बी.ए.बी.एस्सी द्वितीय वर्ष प्रश्नपत्र-०३ तथा ०४
सामान्य हिंदी-३ तथा ०४

उद्देश :

- १) साहित्य आस्थादन अभिरुची का परिसंस्कार
- २) जीवन मूल्यों के प्रति आस्था
- ३) अत्याधुनिक इलेक्ट्रानिक माध्यमों का परिचय
- ४) भाषा प्रायोगिकी - विज्ञापन कला व ज्ञान

बी.ए. द्वितीय ऐच्छिक : प्रश्नपत्र -०५ तथा ०६ कथेत्तर गद्यसाहित्य /
प्रयोजनयुक्तक हिंदी

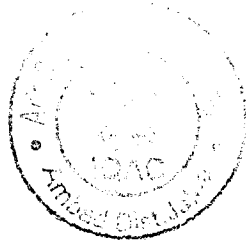
उद्देश :

- १) हिंदी साहित्य में अभिरुची में वृद्धि
- २) जीवन मूल्यों के प्रति आस्था
- ३) हिंदी कथेत्तर गद्य संवेदना परम्परा का परिचय
- ४) हिंदी भाषा के विविध रूपों का परिचय
- ५) राजभाषा हिंदी के विभिन्न पहलुओं का परिचय
- ६) प्रयोजनयुक्त भाष्य तथा अनुवाद का परिचय

आधुनिक हिंदी कविता / प्रयोजनयुक्तक हिंदी प्रश्नपत्र — ०७ तथा

उद्देश :

- १) हिंदी पद्य संवेदना की परम्परा से परिचय
- २) हिंदी पद्य संवेदना की परम्परा से परिचय
- ३) राजभाषा हिंदी का परिचय
- ४) पारिभाषिक शब्दावली से अवगत कराना



बी.ए.बी.कॉम., बी.एस्सी. प्रथम सत्र (प्रश्नपत्र-०१)- प्रथम वर्ष सामान्य हिंदी

— प्रश्नपत्र ०१ तथा ०२

उद्देश :

- १) संवेदना का विकास
- २) भाषा कौशल का विकास
- ३) कथा साहित्य के प्रति अभिरुची

बी.ए. प्रथम ऐच्छिक हिंदी, प्रश्नपत्र-०१ तथा ०३ उपन्यास साहित्य / हिंदी

गद्य साहित्य

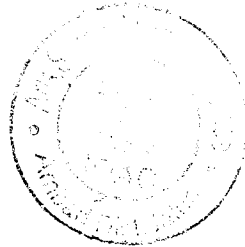
उद्देश :

- १) सामान्य आस्वादन और अभिरुची का परिसंस्कार
- २) जीवन मूल्यों के प्रति आस्था
- ३) उपन्यास साहित्य का अध्ययन
- ४) लेखन तथा भाषण कौशल का विकास

एकांकी साहित्य / नाटक साहित्य (प्रश्नपत्र : ०२) तथा ०४

उद्देश :

- १) हिंदी नाटक तथा रंगमंच का अध्ययन
- २) संवेदना का विकास
- ३) नाट्यास्वादन तथा नाट्यालोचन क्षमता का विकास



बी.ए.तृतीय वर्षे प्रश्नपत्र ०९ तथा १०/११/१२
प्रादेशिक साहित्य / आदि मध्यकालीन हिंदी साहित्य का इतिहास /
साहित्यशास्त्र / प्रकल्प कार्य

उद्देश :

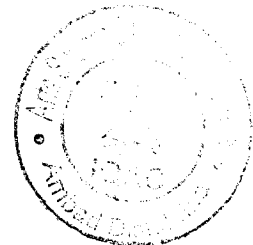
- १) प्रादेशिक साहित्य का ज्ञान
- २) भारतीय साहित्य का अध्ययन
- ३) हिंदी साहित्य परम्परा का परिचय
- ४) हिंदी संत परम्परा का परिचय
- ५) साहित्य चिंतन का अध्ययन
- ६) साहित्यलोचन क्षमता का परिचय
- ७) पठन लेखन कौशल का विकास
- ८) आलोचनात्मक क्षमता का विकास
- ९) अनुसंधानात्मक दृष्टी का विकास

प्रश्नपत्र : १३/१४/१५/१६

मध्यकालीन / आधुनिक हिंदी साहित्य का इतिहास / साहित्यशास्त्र / प्रकल्पकार्य

उद्देश :

- १) भारतीय भक्ती आंदोलन का अध्ययन
- २) रितीकालीन संवेदना का अध्ययन
- ३) कविता की संवेदना का अध्ययन
- ४) हिंदी साहित्य परम्परा का परिचय
- ५) जीवनमूल्यों के प्रति आस्था
- ६) साहित्य के प्रमुख विद्याओं का परिचय
- ७) समिक्षात्मक दृष्टी का विकास
- ८) संशोधन अभिवृत्ति विकसित करना



Department of Botany

Programme Specific Outcomes (PSOs)

PSO1 - Students can apply the information and relate the data gained from the related subjects viz; Zoology and Chemistry, to describe and determine through the interdisciplinary approaches.

PSO2 – Through scientific classification, the students understand about the plant groups and binomial names, economic consequence including the utilizations and varieties among numerous types of Angiosperms.

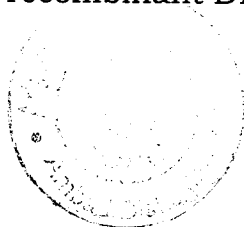
PSO3 - The students improve knowledge on the pathways of metabolisms, transport and translocation of water and solutes and biochemical parameters like carbohydrate, protein and lipid.

PSO4 - The students will have the choice to secure great academic information on the science of fossils and living plants along with their relations with their condition in the environment.

PSO5- Apply the medicinal and economic knowledge of Bryophytes, Pteridophytes and Gymnosperms for the benefit of human welfare.

M. Sc. Botany Program Specific Outcome (PSO)

- After successful completion of the program, a student can 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.
- She/he even has an edge over other students as they will be trained in skill enhancement courses like Biofertilizer technology, plant pathology, Taxonomy of angiosperm, and Medicinal plants.
- The student completing the program can classify various life forms of plants, design and execute experiments related to basic studies on ecology, physiology, biochemistry, plant interactions with microbes and insects, morphology, anatomy, reproduction, genetics, microbiology, molecular biology, recombinant DNA technology, etc.



- The student completing the program is capable of executing short-term research projects/dissertations using tools and techniques in any of the basic specializations of Botany under supervision.

Department of Chemistry

Programme Specific Outcomes (PSOs)

PSO01: Students understand the basic principles of chemical sciences.

PSO02: Students acquire the knowledge of basic and applied chemistry.

PSO03: Study of physical properties of matter - melting point, boiling point, surface tension, viscosity, optical activity etc.

PSO04: The obtained knowledge is quite promising and forms the foundation of advanced knowledge in further higher education.

PSO05: Students understand basic mathematical concept and their applications in practical.

PSO06: Students understand different methods of compound analysis .

PSO07: Students understand the role of chemistry in daily life.

PSO08: Students learn the chemical composition of some of the products of routine use –fats, oils, soaps etc.

PSO09: Students can handle basic and modern instruments independently.

PSO10: Students understand and follow safe laboratory practice.

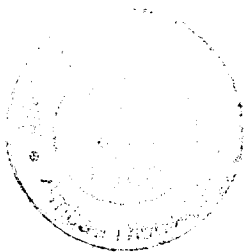
PSO11: Students learn problem solving approach.

PSOs of M.Sc. Chemistry

PSO01: Students can apply the knowledge of basic concepts to advance studies-named reactions, reagents, heterocyclic compounds, natural products in living organisms and their roles.

PSO02: Students understand the subject deeply and can develop appropriate approach towards the subject.

PSO03: Students learn the handling of instruments.



PSO04: Students learn different spectral methods of analysis for structure elucidation.

PSO05: Students acquire the knowledge of drugs design and retro-synthetic approach.

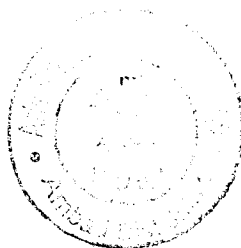
PSO06: Performing reactions, monitoring them independently and characterizing the products which are the foundations of industries.

PSO07: The learners get the basic understandings of research- data generation, collection, conclusions and report writing.

PSO08: The programme makes students able to qualify competitive exams such as GATE, SET, NET-JRP.

PSO09: Students become able to get jobs in industries, laboratories and teaching profession.

PSO10: Students are able to get highly responsible positions in scientific, industrial and academic sectors.



Department of Environmental Science

Program Specific Outcomes

PSOs of B. Sc. Environmental Science

PSO1: Introduction to the environment and awareness to environmental pollution.

PSO2: Familiarity with industrial safety and environmental hazards.

PSO3: Study of preventive measures for environmental pollution.

PSO4: Awareness about water, soil and noise pollution.

PSO5: The goal of this education is disperse the knowledge of environment in younger generation through formal education and produce knowledge.

PSO6: This program will help to students to understand conscious society members for protecting earth's environment and natural processes on the earth

PSO7: The knowledge of environment study will be useful to understand conservation of natural resources with environment needs and survive the life

PSO8: After completing this program students are eligible for various competitive exams in the field of environment conservation under SPCBs, CPCBs, State Forest Departments, MOEFCCs.

Department of mathematics

Program Specific Outcomes

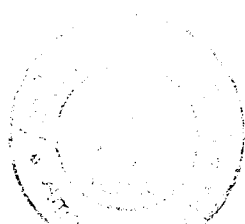
- Understand the foundations of mathematics
- Be able to perform basic computations in higher mathematics
- Be able to read and understand middle-level proofs
- Be able to write and understand basic proofs
- Develop and maintain problem-solving skills
- Use mathematical ideas to model real-world problems
- Be able to communicate mathematical ideas with others
- Have experience using technology to address mathematical ideas

Department of Microbiology

Programme Specific Outcomes (PSOs)

By the end of this course, the students will be able to:

1. Understand the contributions of various scientist in microbiology and scope of various branches.
2. Understand various kinds of prokaryotic & eukaryotic microbes and their interactions.
3. Explain and describe importance of organic compounds and its chemistry found in living cells.



4. Understand and explain various processes of metabolism of carbohydrates amino acids and vitamins.
5. Explain DNA, RNA and protein structure and their synthesis.
6. Understand the concept of disease development, spread, control and eradication from society.
7. Understand the basic concepts of gene and their regulation of action.
8. Explain and write various industrial fermentations and bioinstrumentation.

Department of Physics

Programme Specific Outcomes

PSOs of B.Sc. Physics

- PSO01: Demonstrate knowledge of selected topics from mechanics, Heat, Thermodynamics, optics etc. and apply this knowledge to analyze a broad range of physical phenomenon .
- PSO02: Learn the concept of Quantum mechanics, relativity introduced at degree level in order to understand nature at atomic level .
- PSO03: Demonstrate proficiency in mathematical and mathematical concepts needed for a proper understanding of physics .
- PSO04: Learn the structure of solid material and their different physical properties.
- PSO05: Learn Laboratory skills, helping them to take measurement in a physics laboratory And analyze the measurement to draw valid conclusions.
- PSO06: Demonstrate written and oral communication skills in communicating Physics related topics.

Department of Zoology

Program specific Outcome

- ❖ Students enrolled in B.Sc. (Hons.) For degree program in Zoology will study and acquire complete knowledge of disciplinary as well as related biological sciences which will provide them competitive advantage in pursuing higher studies from India as well as in foreign countries.



- ❖ They are able to correctly use biological instrumentation and proper laboratory techniques. Students will be able to communicate biological knowledge in oral and written form.
- ❖ Students should be able to identify, classify and differentiate diverse chordates and non-chordates based on their morphological, anatomical and systemic organization they will also be able to describe economic, ecological and medical significance of various animals in human life.
- ❖ This will create a curiosity and awareness among them to explore the animal diversity and take up wild life photography or wild life exploration as a career option.
- ❖ The procedural knowledge about identifying and classifying animals will provide students professional advantages in teaching, research and taxonomist jobs in various government organizations; including **Zoological Survey of India** and National Parks/Sanctuaries.
- ❖ Students will be able to apply the scientific method to questions in biology by formulating testable hypotheses, gathering data that address these hypotheses, and analyzing those data to assess the degree to which their scientific work supports their hypotheses.
- ❖ Acquired practical skills in biotechnology and molecular biology can be used to pursue career as a scientist in drug development industry in India or in a foreign countries.
- ❖ Students will be able to use the evidence of comparative biology to explain how the theory of evolution offers the only scientific explanation for the unity and diversity of life on earth.
- ❖ Students will be able to explain how organisms function at the level of the gene, genome, cell, tissue, organ and organ-system.
- ❖ Students will be able to explicate the ecological interconnection of life on earth by tracing energy and nutrient flows through the environment. They will be able to relate the physical features of the environment to the structure of populations, communities, and ecosystems.

Departmental of physical Education

Program Specific Outcomes (PSOs)

PSO01: Students will acquire a comprehensive knowledge and sound understanding of fundamentals of physical education.

PSO02: Students will develop practical, theoretical skills in physical education.

PSO03: Students will be prepared to acquire a range of general skills, to specific skill to communicate with society effectively and learn independently.



PSO04: Students will acquire a job efficiently in diverse fields such as B.PED, M.PED, SSC, NET, SET.

PSO05: Physical, Mental (Participating in various sports and games) Social wellbeing (Individual and Community Development)

Program Specification Outcome

Psychology

Co1. Students understand and appreciate the role of interdisciplinary sciences in the development and wellbeing of individuals, families and communities.

Co2. Students understand the science and technology that enriches the quality of life of people.

Co3. Students acquire professional skills for empowerment of self-knowledge in particular and in community in general.

Co4. Students will develop professional skills in human behavior and counselling for human development.

Department of Home Science

Programme Specific Outcome (PSOs)

PSO01: To create awareness of scientific use of resources (BL4).

PSO02: To develop skill in creating design & making art object like painting, printing article, home décor etc (BL6).

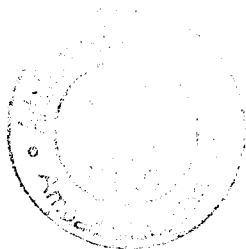
PSO03: To develop abilities to apply the knowledge for self-employment as well as entrepreneurship in production, sales, research, teaching, counselor [diet, marriage, family etc.] & many career in government private hospitals, industries, National, International food organization like NIN, ICMR, WHO (BL6).

PSO04: Students can work at any field that they interesting in it (BL6).

PSO05: To build up problem solving skills in students (BL5).

PSO06: It is an integral part of human life & informal was we are associated with all subjects (BL6).

PSO07: After completing UG Home-science they are able to secure profitable employment in different sector (BL6).



Department of History

Programme Specific Outcomes (PSOs)

- PO1** - Courses useful for the development of a generous humanitarian personality and for the benefit of society.
- PO2** - The task is to awaken the conscience of human beings and to create the dynamism of conduct in human beings.
- PO3** - Excellent leadership can change the course of development of the state, country and society and inspire students by influencing the history of aspiring individuals.
- PO4** - The course teaches students a strong sense of nationalism about their country and the need to fight against injustice.
- PO5** - Knowing how advanced our ancient culture and traditions, literature, religious philosophy and political goals are, and it makes us proud of India and its ancient history.
- PO6** - It is clear from this history that weak countries or people are always in the throes of injustice and have to fall prey to social, political and cultural slavery.
- PO7** - The coming together of religion and the state is detrimental, and one learns that the cohesive role of religion is in the interest of society.
- PO8** – To learn students of our Prosperous Culture, Polity and Cultural Ethics and development of ancient archeological Facts.
- PO9**- This course contents learn to students writing methodologies of History and Scientific Method of History Writing.
- P10**- Nationalism and Freedom Struggle Movement inspired to Patriotism.
- P11**- Students aware of British policies and its impact on India.
- P12**- Project work paper aware to students about Research, Research Methodology and research ethics.
- P13**- History is allied and deeply rooted various fields of Professions. Course will orient the students leading and using our knowledge with historical facts.
- P-14**- Awake students about Renaissance and battles against injustice. Introducing development of Human Rights and bad effects of war.
- P15**- Aware students about ancient Marathwada and his great history.

