



Program Specific Outcomes

Department of Chemistry

On the completion of B.Sc. Chemistry, Students are able to:

- Gain the knowledge of Chemistry through theory and practical's.
- To explain nomenclature, stereochemistry, structures, reactivity, and mechanism of the chemical reactions.
- Identify chemical formulae and solve numerical problems.
- Use modern chemical tools, Models, Charts and Equipments.
- Know structure-activity relationship.
- Make aware and handle the sophisticated instruments/equipments.
- Understand good laboratory practices and safety.
- Develop research oriented skills.
- Make aware and handle the sophisticated instruments/equipments.

Department of Mathematics

On the completion of B.Sc. Mathematics, Students are able to:

- Understand, formulate and use quantitative models arising in social science, business and other contexts.
- Think in a critical manner.
- 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 statistics, chosen by the student from the given courses.

Department of Zoology

On the completion of B.Sc. Zoology, Students are able to:

- Demonstrated a broad understanding of animal diversity, including knowledge of the scientific classification and evolutionary relationships of major groups of animals.
- Recognized the relationships between structure and functions at different levels of biological organization (e.g., molecules, cells, organs, organisms, populations, and species) for the major groups of animals.
- Characterized the biological, chemical, and physical features of environments (e.g., terrestrial, freshwater, marine, host) that animals inhabit. Explained how animals function and interact with respect to biological, chemical and physical processes in natural and impacted environments.
- Explained how organisms function at the level of the gene, genome, cell, tissue, organ and organ-system. Drawing upon this knowledge, they are able to give specific examples of the physiological adaptations, development, reproduction and behaviour of different forms of life.
- Understood the applied biological sciences or economic Zoology such as sericulture, Apiculture, aquaculture, Industrial microbiology, DNA technology and medicine for their career opportunities.

Department of Botany

On the completion of F.Y.B.Sc. Botany, Students are able to:

- Study of Plant Biodiversity with respect to Algae, Fungi, Bryophytes, Pteridophytes, Gymnosperms and Angiosperms.
- Modern Techniques to study Plant Diversity.
- Study of forms and functions of plant with respect to cell biology, Plant ecology, Genetics, Anatomy, Plant physiology and Medicinal Botany.
- Study of Current Trends in Plant Sciences.

Department of Physics

On the completion of F.Y.B.Sc. Physics, Students are able to:

- Develop analytical abilities towards real world problems.
- Familiarize with current and recent scientific and technological developments.
- Enrich knowledge through problem solving, hands on activities, study visits, project etc. Course.
- Understand theories of physics and its relevance in present context.
- Study the strength of equation, format graphs, and mathematical tools to solve the problems.

Department of Environmental Science

On the completion of T.Y. B.Sc. Environmental Science, Students are able to:

- To revise the important concepts of environment and its impact on the inter-relationship between various components of the environment.
- To recognize and realize, the harmful effects of pollutants on the environment.
- To comprehend, the importance of alternative energy resources.
- To emphasize the need, to conserve the energy resources.
- To introduce the learner to the concept of green environmental audit.
- To encourage abilities of learner to better understand the concepts.
- To develop better analytical abilities to assess varying dimensions while making decisions.

Department of Commerce and Accountancy

On the completion of B.Com, Students are able to:

- To build a strong foundation of knowledge in different areas of Commerce & to expose students about entrepreneurship.
- Learners will be able to do higher education and advance research in the field of commerce and finance.
- Students will demonstrate progressive affective domain development of values, the role of accountancy in society and business.

- Students will be able to demonstrate progressive learning of various tax issues and tax forms related to individuals.
- Students will be able to demonstrate knowledge in setting up a computerized set of accounting & taxation books.
- To develop the skill of applying concepts and techniques used in Commerce.
- Students will learn relevant financial & managerial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business with critical decision making.
- To integrate knowledge, skill and attitude that will sustain an environment of learning and creativity among the students
- Learners will gain thorough systematic and subject skills within various disciplines of commerce, business, accounting, taxation, economics, financial analysis, management, auditing, law & marketing.
- To develop an attitude for working effectively and efficiently in a business environment
- Analyze the economic, social and environmental issues related to business
- Learners will be able to prove proficiency with the ability to engage in competitive exams like CA, CS, ICWA and other courses.
- Learners can also acquire practical skills to work as tax consultant, audit assistant and other financial supporting services.
- To enrich communication, ethical values, team work, professional and leadership skill sets of students.
- Learners will acquire the skills like effective communication, decision making, problem solving in day to day business affairs.
- To enable a student to be capable of making decisions at personal and professional level.
- Learners will involve in various co-curricular activities to demonstrate relevancy of foundational and theoretical knowledge of their academic major and to gain practical exposure.

On the completion of B.A. Marathi, Students are able to:

- Learn various literary movements, their nature and scope.
- Study many thinkers on human life values and human problems expressed in Marathi.
- Enhance empathy, inclusiveness, tolerance and human values.
- Develop Communication Skill.
- Develop aesthetic sensibility.
- Creating an interest in literature.
- Availing the job opportunities in translation, transformation and media.
- Developing language.
- Increasing the critical attitude about literary studies.
- Imbuing the literary research attitude.

Department of English

On the completion of B.A. English, Students are able to:

- Understand major and minor forms of literature.
- Have developed interest in literature and language.
- Enjoy reading the short stories, poems, novels and dramas.
- Know the literary theories, terms and concepts in Criticism.
- Appreciate the literary works.
- Understand the structure and function of grammatical units.
- Know the use of language at semantic and syntactic levels. The students could improve vocabulary.
- Use English effectively in formal and informal situations.
- Attempt creative writings.
- Know phonological and morphological aspects of English.
- Understand the values of literature in life.
- Understand different cultures of the times.
- Know various genres in English literature like Indian English literature, British literature and American literature.
- Develop language learning skills like Listening, Speaking, Reading and Writing.

- Develop vocabulary and communicative skills.
- Develop verbal and non-verbal skills of communication.
- Are able to get the jobs in industry, government, schools and offices.
- Have enriched confidence to appear for competitive examinations.

Department of Economics

On the completion of B.A. Economics, Students are able to:

- Able to understand basic concept of economics.
- Able to analysis economic behaviour in practice.
- Understand the economic way of thinking.
- The ability to write clearly expressing an economic point of view.
- To create students ability to suggest of the various economic problems.

Department of Geography

On the completion of B.A. Geography, Students are able to:

- Students will be able to understand, analyze and interpret the key concepts in physical and human geography of environmental systems, process linkages, variable scale, and “cause and effect” and how they relate to the influence of climate, geology and human activities in shaping the earth surface.
- Students will develop an in depth understanding of the concepts of “space” “place” and “region” and the importance of spatial and temporal patterns in explaining world affairs. Students will be able to analyze and interpret the different economic, social, cultural, demographic and economic processes, economic regions and their relation with physical and cultural environment.
- Students will be able to apply field, laboratory, geospatial, statistical techniques to quantify, characteristics, and history of physical phenomena for geographic research and natural resources management. Students will learn scientific methods including critical thinking, sampling, hypothesis formulation and testing, and controlled experimentation to assess environmental problems, and able to effectively communicate research

objectives, methodology, results, interpretation, conclusions in oral and written formats.

- Students will be able to synthesize geographic knowledge and apply innovative research strategies to solve problems in resource conservation, environmental change, and sustainable development within the community and region.

Department of History

On the completion of B.A. History, Students are able to:

- Analyze relationship between the past and the present is lively presented in the history.
- To develop practical skills helpful in the study and activities related to the historical events.
- Understand background of our religion, administration.
- Understand present existing social, political, religious and economic conditions of the people.
- To develop interest in the study of history and activities related to the history.

Department of Political Science

On the completion of B.A. Political Science, Students are able to:

- An ability to apply knowledge of political science with other social sciences.
- An ability to communicate effectively.
- An ability to identify formulates and solves political problems at State, National and International Level.
- The broad education necessary to understand the impact of politics in a global, economic, environmental and social context.
- An ability to use the techniques, skill and ideas necessary for effective leaders.