

## **PROGRAM OUTCOMES (UG)**

### **Faculty of Arts:**

After the completion of graduation in the program Arts the students should have:

- Knowledge acquired with subjects like History, Political Science, Geography, Economics, Literature (Marathi), and languages.
- The basic concepts, fundamental principles and theories in the related disciplines.
- Realized the importance of literature in creating aesthetic, mental, moral and intellectual development of healthy society.
- Participated in various social and cultural activities voluntarily.
- Ability to write articles, novels and stories to spread the message of equality, nationality and social harmony.
- Various communication skills such as reading, listening and speaking.

### **Faculty of Science:**

After the completion of graduation in the program Science the students should have:

- Knowledge acquired from ancient times till the date with important discoveries, inventions and theories.
- Understanding how scientific theories are proposed and how they are accepted or rejected by experimental evidences.
- Realized the accepted theories and provide better explanations for the modification of theory.
- Participated in project works for independent design and carrying out of research work.
- Participated in workshop & seminar and getting theoretical thinking skills and practical skills.
- Acknowledged that scientific knowledge plays most important role in overcoming social evils, blind faith, poverty, health issues, and can certainly improve the quality of human beings.
- Understand necessary measures for sustainable development and controlling environmental pollution.
- Developed scientific outlook not only with respect to science subjects but also in all aspects related to life.

### **Faculty of Commerce:**

After the completion of graduation in the program Commerce the students should have:

- Exposure to knowledge of major theories and models in key areas of organizational manners.
- Ability to analyze organizational problems and generate realistic solutions based on current academic research in organizational behavior.
- Skill to demonstrate knowledge of microeconomic theory as it relates to markets, firms, government policy, and resource allocation.
- Skill to demonstrate knowledge of key concepts underlying quantitative decision analysis.

Skill to apply basic mathematical and statistical skills necessary for analysis of a range of problems in economics, accounting, marketing, management and finance.

- Skill to demonstrate knowledge of the theories, concepts and findings of the various specializations.
- Skill to build up viable alternatives and make effective decisions relating to business ethics and social responsibility.

## **PROGRAM OUTCOMES (PG)**

### **Faculty of Arts:**

After the completion of post graduation in the program Arts the students should have:

- Acquired a deep knowledge as possible in the subject concerned by making use of reference books, research journals, periodicals and internet facilities.
- Seriously evaluated the works of various authors or social scientists by considering the strength and weakness and suggestions probable modifications for improvement.
- Realized how the studies in Humanities have led to various social, economical, political changes over last few centuries.
- Taken up an independent research project, plan and execute it and present the results and conclusions systematically at the end.
- Taken up self-determining creative writing or various aspects in literature, social, economic, political, environmental issues in the form of story, poetry, research articles, reports, etc in various periodicals & journals.
- Participated & lead various activities related to literature & social issues in order to create social alertness and harmony.

## **PROGRAM SPECIFIC OUTCOMES (UG)**

### **Department of Botany**

- Understand the structures of micro-organisms and lower group plants like viruses, bacteria, algae, fungi, bryophytes and pteridophytes.
  - Understand the structures of vascular plants like gymnosperm and angiosperms.
  - Understand structural organization of cell and variation in chromosomes.
  - Understand plant structures in the context of anatomical organizations and physiological functions of plants.
  - Understand lipid metabolism in plants.
- Students will be well knowledgeable with various ecological processes like mutualisms, micorrhizal associations, lichens and host-pathogenic relationships.

### **Department of Zoology**

- Understand structural organization of cell and variation in chromosomes Understand the basic concepts about chordates and non-chordates Understand the concepts of fishery, antomology and lac culture.
- Understand the various applications of biotechnology
- Understand the process of evolution with Lamarkism, Neo-Lamarkism and Darwinism.

- Understand the term ELISA technique and DNA finger printing.
- Students will be well knowledgeable with various ecological processes like mutualisms.

### **Department of Chemistry**

- To provide a broad foundation in chemistry that stresses scientific reasoning and analytical problem solving with a molecular perspective.
- To provide students with the skills required to succeed in graduate school, the chemical industry or professional school.
- To expose the students to a breadth of experimental techniques using modern instrumentation.
- The student will understand the importance of the periodic table of the elements, how it came to be, and its role in organizing chemical information.
- The student will understand the interdisciplinary nature of chemistry and to integrate knowledge of mathematics, physics and other disciplines to a wide variety of chemical problems.
- The student will acquire a foundation of chemistry of sufficient breadth and depth to enable them to understand and critically interpret the primary chemical literature.
- The student will develop the ability to effectively communicate scientific information and research results in written and oral formats.
- The student will learn professionalism, including the ability to work in teams and apply basic ethical principles.

### **Department of Mathematics**

- Learn to solve improper integrals.
- Use of linear equations for solving any differential equations Understand various problems related with planar graphs.
- Understand concepts of matrices and linear equations.
- Learn properties of inverse lap lace transforms

### **Department of Physics**

- Understand the core theories & principles of physics, which include mechanics, electromagnetism, thermodynamics, & quantum mechanics.
- Provide knowledge about material properties and its application for developing technology to ease the problems related to society.
  - Understand the set of physical laws, describing the motion of bodies, under influence of system of forces.
  - Understand the relationship between particles & atom, as well as their creation & decay.
  - Understand physical properties of molecule the chemical bonds between atom as well as molecular dynamics.

- Analyze the application of mathematics to problem in physics & development of mathematical method suitable for such application & for formulation of physical theories.
- Learn the structure of solid materials & their different physical properties along with metallurgy, cryogenics, electronics, & material science.
- Understand fundamental theory of nature at small scale & energy levels of atom & subatomic particles.

### **Department of Marathi**

- Develop reading, writing & communication skills of students. □ Develop attitude of literary forms. ( Marathi Aatmkathan & Novel) Get information about the history of Marathi literature.
- Get information about Literary Theory.
- Develop attitude of literary forms. (Marathi Drama & Lalit Gadya) Get information about the history of modern Marathi literature.
- Develop attitude of Marathi linguistics & grammar

### **Department of English**

- Use correct English in oral as well as written form.
- Inculcate human values for one's transformation of behavior. Interpret the literary works by critical analysis.
- Compare literary works of the great philosophers using their logic and literary capacity.

### **Department of Geography**

- Study the land forms and processes.
- Understand the structure, composition of different spheres of the earth and its atmosphere.
- Understand importance of oceans, rivers and water and find ways of their conservation Understand the function and types of Biogeography.
- Understand the science of remote sensing making use GIS & GPS software.

### **Department of History**

- Understand the basic themes, concepts, chronology and the Scope of Indian History.
- Acquaint with range of issues related to Indian History that span distinct eras.
- Understand the history of countries other than India with comparative approach.
- Think and argue historically and critically in writing and discussion.
- Preparation for various types of competitive examinations
- Critically recognize the social, political, economic and cultural aspects of History.
-

## **Department of Political Science**

- Understand basic concepts of political science.
- Analyze political behavior in practice.
- Understand the political ways of thinking.
- Analyze historical and current events from political perspective.
- Understand alternative approaches to political problems through exposure to coursework in allied fields.
- Create ability to suggest the various political problems.
- Understand the functioning, powers of the UN, SAARC and other organisations.

## **Department of Economics**

- Understand basic concepts of economics & analyze economic behavior in practice.
- Understand the economic way of thinking.
- Analyze historical and current events from an economic perspective.
- Find alternative approaches to economic problems through exposure to coursework in allied fields.
- Create students ability to suggest solutions for various economic problems.

## **Department of Commerce**

- To put up a strong foundation of knowledge in different areas of commerce like auditing, accounting etc.
- To expand the skill of applying concepts and techniques used in commerce.
- To expand an attitude for working effectively and efficiently in a business environment.
- To incorporate knowledge, skill and attitude that will sustain an environment of learning and creativity among the students.
- To expose students about entrepreneurship.
- To enable a student to be capable of making decisions at personal and professional level.

## **PROGRAM SPECIFIC OUTCOMES (PG)**

### **M.A (Geography)**

- Understand the concept of Environment, Physiography, Climate and Vegetation.
- Understand importance of oceans, settlements, Economic activities, disaster management.
- Understand the Indian Geography, Agriculture and population.
- Understand the tourism, regional planning and social Geography.
- Understand the morph metric measurements and measurements of maps.
- Study of basic computer system and topographical maps.
- Study of weather map and weather analyses.
- Make use of GIS and GPS sector.

- Study of various maps and diagrams.
- Study the use of statistical techniques.
- Study of collect data and preparation of field report.

### **M.A (History)**

- Students will distinguish between primary and secondary sources and identify and evaluate evidence
- Students should understand the basic skills that historians use in research
- Students will produce their own historical analysis of documents and develop the ability to think critically and historically when discussing the past.
- Students will demonstrate in discussion and written work their understanding of different peoples and cultures in past environment and of how those cultures changed over the course of the centuries

### **M.A (Marathi)**

- Develop reading, writing & communication skills of students. ¶Develop attitude of literary forms. ( Marathi Aatmkathan & Novel) ¶Get information about the history of Marathi literature.
- Get information about Literary Theory.
- Develop attitude of literary forms. (Marathi Drama & Lalit Gadya) ¶Get information about the history of modern Marathi literature.
- Develop attitude of Marathi linguistics & grammar

# Course outcomes link

## **Department**

## **Language**

[English Course Outcome](#)

[Marathi Course Outcomes](#)

## **Arts**

[Geography Course Outcomes](#)

[History Course Outcomes](#)

[Economics Course Outcomes](#)

[Political Science Course Outcomes](#)

## **Science**

[Chemistry Course Outcomes](#)

[Botany: Course outcomes](#)

[Zoology Course Outcome](#)

[Physics Course Outcome](#)

[Mathematics Course Outcome](#)

## **Commerce**

[Commerce Course Outcomes](#)