

Dr. Rafiq Zakaria Campus-II  
**Dr. Rafiq Zakaria College for Women**  
Navkhanda Jublee Park, Aurangabad



**Program Outcomes (POs) and Program Specific Outcomes (PSOs)**

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<b>Sr. No.</b>	<b>Particulars Programme Outcomes (POs)</b>
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<b>4</b>	<b>POs: Master of Arts (MA)</b>

## **Programme outcome of Bachelor of Science (B.Sc)**

The programme outcome is graded to the level of education and the specific skill sets that are to be attained. Science provides knowledge about nature and also provides means for controlling nature. So, besides general ideas, science also affects practical affairs and everyday life. B.Sc. program enable the students:

- PO1** To understand basic concept and facts of Science, and also to develop interest in the study of Science.
- PO2** To develop problem solving skills.
- PO3** To develop the ability to apply the principles of Science.
- PO4** To develop skills in the proper handling of apparatus and lab instruments, planning and performing laboratory experiments.
- PO5** Understand the issues related to nature and environment.
- PO6** Acquired the knowledge with facts and figures related to various subjects in pure sciences such as chemistry, physics, botany, zoology, mathematics, etc.
- PO7** Drives scientific and societal advancement through technological innovation and entrepreneurship.
- PO8** Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena.

## **Programme outcome of Bachelor of Arts (B.A.)**

- PO1** The B.A. graduates will be able to understand the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking.
- PO2** Students on completion of the undergraduate degree will be better able to define the literary and cultural diversity.
- PO3** Demonstrate familiarity with and ability to analyze both verbally and in writing issues and forms of contemporary art with a clear understanding of historical precedents.

- PO4** Students build the multidimensional personality and able to correlate Languages with social sciences.
- PO5** Students choosing combination of three subjects develop social, political, historic, economic and literary consciousness and will be better able to appreciate different civilizations, culture.
- PO6** At the end of the programme, they usually will have advanced reading, writing, speaking, interpretive and composition skills in both languages.
- PO7** On graduating, the students will be eligible for employment in tourism, media, hospitality, in non-governmental organizations and other industries. Their skills in comprehension of general social phenomena around them place them in ideal situation for such jobs.
- PO8** Humanities education is designed in such a way that it lays particular emphasis on human values. Students can apply this knowledge to deal with various problems in life.
- PO9** After completing the graduate degree students are able to summarize Language acquisition theory and research.
- PO10** They will also be able to appear for competitive examinations conducted for public sector jobs.

### **Programme outcome of Master of Science (M.Sc.)**

- PO1** Students are able to explain the basic scientific principles and methods.
- PO2** Interdisciplinary approach among students has been developed.
- PO3** Sense of scientific responsibilities, social and environmental awareness has been inculcated among the students.
- PO4** Students are able to build up a successful carrier in academics and industry.
- PO5** Students are able to handle basic instruments.
- PO6** Students can acquire research skills through project work.
- PO7** Able to explain the role of science in society; and its personal, social and global importance; and how society influences scientific research.

- PO8** To understand and analyze the data (qualitatively/quantitatively) to identify patterns and relationships, identify anomalous observations, draw and justify conclusions.

### **Programme outcome of Master of Arts (M.A.)**

- PO1** After successful completion of two year post graduate program in Arts a student should be able to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.
- PO2** The postgraduates will be acquainted with the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking of their respective subjects.
- PO3** The program also empowers the post-graduates to appear for various competitive examinations or choose the any post graduate or research programme of their choice.
- PO4** Students will acquire the creative ability.
- PO5** The students acquire in depth knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough to solve the issues related with mankind.
- PO6** Students can acquire research skills through project work.
- PO7** The students will be ignited enough through the knowledge of the special PG programme to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

**Programme specific Outcomes (PSOs)**  
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<b>Sr. No.</b>	<b>Particulars</b>
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### **PSOs: PHYSICS**

- PSO1:** Understand basic concepts of Mechanics, Properties of matter, Sound.
- PSO2:** State the laws of thermodynamics and understand the working of heat engines.
- PSO3:** Define various terminologies of Electricity and Magnetism.
- PSO4:** Can calculate the least count of various measuring instruments and determine the physical properties of matter.
- PSO5:** Get acquainted with basic principles of mathematical, statistical & quantum physics.
- PSO6:** Apply quantum theory to modern physics and discuss the structure of nucleus along with uses of nuclear physics.
- PSO7:** Demonstrate various experiments on modern physics and calculate constants related to them.
- PSO8:** Recall and understand semiconductors, semiconductor devices and their applications in circuitry.
- PSO9:** Analyze the crystal structure, classify the various types of bonds and connect the properties with free electron theory.

### **PSOs: CHEMISTRY**

- PSO1:** To understand basic concepts and facts of chemistry.
- PSO2:** Explain and clarify the understanding of thermodynamic, spectroscopic, kinetic and quantum models, stereochemistry and mechanism of organic reactions, chemical bonding and structure elucidation, analytical techniques.
- PSO3:** Able to understand chemical components in medicines, house hold things, and able to explain pharmaceutical table.
- PSO4:** Apply the knowledge of 3R's approach (reduce, recycle and restore) for environmental protection.
- PSO5:** Able to apply the knowledge of chemistry to synthesize chemical compounds.
- PSO6:** Able to perform qualitative and quantitative analysis of chemical compound.
- PSO7:** Able to develop proficient basic skills of laboratory practices.
- PSO8:** Able to apply information related to Material safety data sheet (MSDS) and safety symbols on chemicals.

### **PSOs: ANALYTICAL CHEMISTRY**

- PSO1:** Student can define the various terms associated with analytical Chemistry.
- PSO2:** Understand the concepts and fundamentals of analytical Chemistry.

- PSO3:** Illustrate broad knowledge and problems associated with analysis.
- PSO4:** Able to operate the advance/modern instruments.
- PSO5:** Evaluate the different results/data they obtained from the experiments.
- PSO6:** Students can develop the new methods of analysis.
- PSO7:** Students are able to judge quality of product.
- PSO8:** Able to understand the material safety data sheet (MSDS) and safety symbols on chemicals.
- PSO9:** Creates awareness about food adulteration.
- PSO10:** By using given information students execute the problem.
- PSO11:** Creating interest in environmental studies.

### **PSOs: MATHEMATICS**

- PSO1:** Ability of understanding fundamental axiom in Mathematics and apply then in approximate method.
- PSO2:** Create, Select and Apply appropriate technique in various multi-disciplinary resources.
- PSO3:** Knowledge of subject like Algebra, Linear Algebra, Number theory, Real Analysis and Integral Transformation and very useful in every relevant field.
- PSO4:** Ability to pursue research in the field of Commerce, Statistics and Computer Sciences etc.
- PSO5:** To Assist the student in preparation of various Competitive Exams like SET,NET,GATE,SSC ,BANKING SECTOR,UPSC etc.

### **PSOs: BOTANY**

- PSO1:** Understanding of plant diversity and its important in the maintenance of ecological balance.
- PSO2:** Students learn to carry out practical work in the field and the laboratory, interpreting Plant morphology and Anatomy,, Plant identification vegetation analysis techniques.
- PSO3:** Applied the knowledge of basic science, and fundamental process of plants.
- PSO4:** Apply the knowledge of Biology to make scientific queries and enhance the comprehension potential.
- PSO5:** Convey and practice social environmental and biological ethics.
- PSO6:** Successful transfer of scientific knowledge both orally and writing.

### **PSOs: ZOOLOGY**

- PSO1:** Demonstrated a broad understanding of animal diversity, including knowledge of the scientific classification and evolutionary relationships of major groups of animals.
- PSO2:** 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.
- PSO3:** 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.
- PSO4:** 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 behavior of different forms of life.
- PSO5:** Understood the applied biological sciences or economic Zoology such as sericulture, Apiculture, aquaculture, Industrial microbiology, rDNA technology and medicine for their career opportunities.

#### **PSOs: COMPUTER SCIENCE**

- PSO1:** Apply fundamental principles and methods of Computer Science to a wide range of applications.
- PSO2:** Design, correctly implement and document solutions to significant computational problems.
- PSO3:** Impart an understanding of the basics of our discipline.
- PSO4:** Prepare for continued professional development.
- PSO5:** Develop proficiency in the practice of computing.

#### **PSOs: ENGLISH**

- PSO1:** Improve the four skills of reading, writing, speaking and comprehension.
- PSO2:** Exchange dialogue and ideas with confidence and courage.
- PSO3:** Achieve a better and improved accent, intonation and pronunciation of English.
- PSO4:** Interpret the texts and appreciate their aesthetic value.
- PSO5:** Understand how the study of literature incorporates other disciplines like anthropology, social sciences etc.
- PSO6:** To write articles and research papers in English.
- PSO7:** Polish their skills of public speaking and oration.
- PSO8:** To opt for careers in journalism, creative writing like script writing, dialogue writing etc.
- PSO9:** They can also impart training in communication skills and personality development.
- PSO10:** They can become trainers in accent and voice training in corporate and BPO.



**PSOs: HINDI**

## हिंदी विभाग

### PROGRAMME SPECIFIC OUTCOMES : B.A. HINDI

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1. हिंदी भाषा में उपाधि स्तर की पढ़ाई के बाद छात्राओं में राष्ट्रभाषा से जुड़ने का गौरव प्राप्त होता है।
2. हिंदी साहित्य के विविध विधाओं के पाठ छात्रों के मानसिक विकास को बढ़ाकर उन्हें संवेदनशील बनाते हैं।
3. हिंदी भाषा में धाराप्रवाह शैली में स्वयं के विचारों को स्पष्ट करता है।
4. हिंदी के लिए आवश्यक भाषा कौशल जैसे श्रवण, पठन, वाचन और लेखन कौशल को आत्मसात करना।
5. हिंदी साहित्य में निर्देशित प्राचीन मूल्य और सांस्कृतिक क्षमता को ग्रहण करना।
6. कहानी का मातृभाषा में अनुवाद करना।
7. सामाजिक, ऐतिहासिक, मनोवैज्ञानिक कहानियों का विश्लेषण करना। कहानी की संरचना को पहचानना।
8. मुहावरें एवं लोकोक्तियों का आकलन करना।
9. कहानी और काव्य के शिल्प को आत्मसात करना।
10. हिंदी साहित्य के माध्यम से छात्रों में संवेदना जागृत करना।
11. भाषिक ज्ञान में बढोत्तरी करना।
12. प्रभावी संप्रेषण और रोजगार में सहाय्यक।

### PSOs: URDU

**PSO1:** Appreciate richness and beauty of Urdu language and its literature.

- PSO2:** Learn about various formats like Masnavi, Qasida, Ghazal, Rubai, Maktoob, Reportaj etc of Urdu literature.
- PSO3:** Get motivated to take up careers like journalism, novel writing etc.
- PSO4:** Enhance their creative skills and critical thinking; adapt and prosper in the ever changing global social and cultural environment.
- PSO5:** Confidently take up projects and jobs as translators and other related works.
- PSO6:** To promote Urdu language and literature by means of their excellent teaching and research, when they take up these professions.
- PSO7:** See that Urdu survives and become an ever living vibrant language.

### **PSOs: POLITICAL SCIENCE**

- PSO1:** Understanding the nature and developments in national and international politics.
- PSO2:** Analyzing the Indian constitutional provisions, major legislations and reforms.
- PSO3:** Critical evaluation of social, economic and political variables for a proper understanding of the plurality of Indian society.
- PSO4:** Building overall consciousness regarding national political history, international relations and eminent Indian and Western political thinkers.
- PSO5:** Developing knowledge of administrative studies with special reference to Indian Administrative structures and practices.
- PSO6:** Examining India's foreign relations with her neighbors and great powers.
- PSO7:** Use of case study method for analysing the working of important international and regional organizations like UN, EU, ASEAN etc.
- PSO8:** To inculcate among students a basic understanding of the rights and duties of citizenship and thereby to act as responsible citizens.

### **PSOs: HISTORY**

- PSO1:** Understand background of different religion, custom institution, administration, civilization and the Importance of our Glorious Past.
- PSO2:** Understand the present existing social, political, religious, and economic conditions of the people and past conditions and earn The Basic Skill of history Writing & research.
- PSO3:** Analyse relationship between the past and present is lively presented in the history.
- PSO4:** History installs the feeling of patriotism in the hearts of the pupils.
- PSO5:** Understand and remember the basic themes, concept, nature, chronology and scope of national and international History and memorize.
- PSO6:** Understand the history of countries other than India with comparative approach.
- PSO7:** History installs the feeling of patriotism, devotion, ethics, morals, justice, equality, brotherhood etc. in the heart of the students.

### **PSOs: ECONOMICS**

- PSO1:** The students are able to understand the past, present economic conditions of the country.
- PSO2:** The students of economics will be able to forecast the future course of changes and development through their knowledge of policies and programs, set by the government and other development agencies.
- PSO3:** The students will be able to analyze the Indian economy, as it is a unique amalgam of competing.
- PSO4:** The concept of banking structure in India is being illustrated.
- PSO5:** The taught knowledge is applied by the students by visiting the banks and ATMS.
- PSO6:** They analyze the functioning of commercial banks and RBI.
- PSO7:** They will be able to understand the concept of stock market and its functioning.
- PSO8:** Students develops an awareness of career choices and the options for higher studies.
- PSO9:** The study of economics can also provide valuable knowledge for making decisions in everyday life.

### **PSOs: PSYCHOLOGY**

- PSO1:** To Understand Basic Concept and facts of psychology and also to develop interested.
- PSO2:** Understand, Analyze and apply various principles to solve the problem of human behavior.
- PSO3:** Enhance adjustment skill to tackle different problems of life.
- PSO4:** Measure Personality, intelligence aptitude interest, adjustment and different psychological problems.
- PSO5:** Enhance knowledge of mental disorders, their types, causes treatment and prognosis how to take care of mental health.

### **PSOs: SOCIOLOGY**

- PSO1:** To understand different section of society, institution and other structural elements.
- PSO2:** It provides an understanding of the approach, concepts and sociological history of sociology.
- PSO3:** To apply the research process like formulation of problems, hypothesis sampling and data collection, data analysis and statement.
- PSO4:** Define globalization and analyze its impact on social economic political and cultural spheres.
- PSO5:** To evaluate the social change that is taken place in our society.
- PSO6:** To create sociology way of thinking, design social norms construct sociological values among the students.

### **PSOs: HOME SCIENCE**

- PSO1:** Understand the basic concept and modern trends I Home Science
- PSO2:** Make the students aware of the application of Home Science Concepts.
- PSO3:** Understand the relationship between theoretical and practical principles of Home Science.
- PSO4:** Make the students aware of the various concepts in Home Science of the Indian Context.
- PSO5:** Understand the Home Science Measurements to help to understand the client.
- PSO6:** Understand the students how to follow up the behavioral problem and solve with the behavior.
- PSO7:** Administer Home Science measurement and their interpretation.

### **PSOs: BCS**

- PSO1:** Apply fundamental principles and methods of Computer Science to a wide range of applications.
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