

## PROGRAMME SPECIFIC OUTCOME – UG

### First Degree Programme in Biochemistry (B.Sc Biochemistry)

PSO1	To develop scientific attitude in students to make them open minded, critical, curious
PSO2	Understand scientific terms, concepts, facts, phenomenon and their relationships
PSO3	To provide practical experience to the students as a part of course to develop scientific ability to work in the field of research and other fields of their own interest and to make them fit for society
PSO4	Create the interest of the society in the subject and scientific hobbies, exhibitions and other similar activities.
PSO5	Enrich the students with the latest development in the field of biochemistry, biotechnology and other related field of research and development
PSO6	Encourage students to describe and analyze scientific data.

## **PROGRAMME SPECIFIC OUTCOMES - UG**

### **FIRST DEGREE PROGRAMME IN BOTANY (B.Sc. Botany)**

PSO 1	The curriculum creates an all-round conceptual awareness in the students about the overall diversity of plants, structure, genetics, reproduction, ecology and economic importance of various plant groups
PSO 2	Students will be able to understand the diversity of plant groups from lower to higher groups, their structure and developmental details
PSO 3	Students will understand the concept of morphology, taxonomy, anatomy, ecology, physiology, cellular biology, genetics, molecular biology, biotechnology and biochemistry
PSO 4	Students will be exposed to opportunities of professionally oriented applied branches like horticulture and mushroom cultivation
PSO 5	Students will be familiar with the use of various analytical techniques and tools in plant biology
PSO 6	Acquiring hands on training in various fields will develop practical skills and interpretation of biological data
PSO 7	Laboratory work and field studies will help the students in development of team work and leadership qualities.

## PROGRAMME SPECIFIC OUTCOME – UG

### First Degree Programme in Commerce (B Com Finance )

PSO1	Master managerial concepts and derive meaningful conclusions for Complex business problems.
PSO2	Explore societal and environmental impacts of business applications and practice sustainable development .
PSO3	Analyse ethical values and acquire managerial skills to develop one self as a true leader.
PSO4	Apply skills of financial management and development novel applications in relevant areas.
PSO5	Develop problem solving skills to tackle managerial challenges.
PSO6	Foster research skills to develop sustainable innovations in interdisciplinary research areas.

## PROGRAMME SPECIFIC OUTCOME – UG

### First Degree Programme in Commerce(B Com Tax)

PSO1	Master concepts in Income tax theory and practice and apply in quantitative decision analysis.
PSO2	Explore major theories and models in key areas of income tax law and practice .
PSO3	Analyse organisational problems and generate realistic solutions based on current academic research in taxation.
PSO4	Apply skills for analysing problems in taxation management and Finance.
PSO5	Develop knowledge of taxation theory as it relates to current managerial policy.
PSO6	Acquire essential skills and competencies to develop one self as a tax practitioner.

## **PROGRAMME SPECIFIC OUTCOME – UG**

### **First Degree Programme in Economics (BA Economics)**

PSO1	Master foundational economics concepts, principles, and theories.
PSO2	Explore competing economic paradigms and the discipline's historical evolution.
PSO3	Analyse historical and current events through an economic lens.
PSO4	Apply economic principles to everyday life and decision-making
PSO5	Develop problem-solving skills to tackle economic challenges.
PSO6	Prepare for careers and advanced studies in economics

## PROGRAMME SPECIFIC OUTCOME – UG

### First Degree Programme in Economics (BA English)

PSO1	Developing the four language skills and using them in professional and social contexts.
PSO2	Developing critical thinking skills to interpret literary texts
PSO3	Understanding the varied cultural contexts of the world against which the texts are to be read
PSO4	Developing an understanding of literary movements and their evolution with special reference to cultural and historical contexts.
PSO5	Understanding the varied forms of literature like prose, poetry, drama etc. and their specific sub-genres as well.
PSO6	Developing an understanding of the growth of language and vocabulary
PSO7	Developing a deep understanding of texts and mastering the necessary skills to make critical commentaries about them

## **PROGRAMME SPECIFIC OUTCOME – UG**

### **First Degree Programme in Geography (BSc. Geography)**

PSO1	Attain a common level of understanding in basic principles of Geography and have a strong foundation in earth related science for future course
PSO2	Equip themselves in gathering spatial information analyse, synthesize and to suggest solution to geographical problems
PSO3	Attain higher academic standards in undergraduate level
PSO4	Develop their analytical skills through a wide range of expertise in handling applications of Geography by their acquired through filed work and laboratory work
PSO5	To provide a solid foundation in all aspect of geography and to show a broad spectrum of modern trend in geography

**PROGRAMME SPECIFIC OUTCOME – UG**

**First Degree Programme in Hindi (BA Hindi)**

PSO1	Comprehensive knowledge of Hindi literature
PSO2	Explore creative writing
PSO3	Provide Social consciousness through Hindi Literature
PSO4	Prepare for advanced studies in Hindi.
PSO5	Develop language skill
PSO6	Motivate for career as translators/Hindi Officers/Journalist in Hindi

PROGRAMME SPECIFIC OUTCOME -UG	
FIRST DEGREE PROGRAMME IN HISTORY (BA HISTORY)	
PSO1	Students become familiar with the political processes and structures; society, economy and culture; political Ideas and institutions of past and historical thought and historiography evolved at both Indian and global contexts
PSO2	To understand the methodologies and approaches used by modern historians, or on the ways in which history has been written in the past, and to acquire the required knowledge, awareness and skills for historical research.
PSO3	To understand events, concepts, ideologies and hegemonic relationships that evolved historically and to critically approach and introspect the unconsciously assumed power relations and identities.
PSO4	To understand the elements of the transition of the world from premodern to modern and to realise how this transition happened and how far it changed the world.
PSO5	By analysing relationship between the past and the present, students will be able to comprehend the social, cultural and administrative processes in pre - modern Kerala.
PSO6	Students will also be able to gather ideas on different regional powers and the socio economic and cultural aspects of South India
PSO7	To apprehend the roots of colonialism and capitalism and to analyse the impact of colonial rule
PSO8	To understand the process of nation making and to visualise the ideological underpinnings behind the national movement
PSO9	To understand the socio-economic development in post independent India and to conceive the notion of secular and democratic form of India
PSO10	To realise the prospects of career related courses and to assist students with educational and career planning

**PROGRAMME SPECIFIC OUTCOME – UG**

**First Degree Programme in Malayalam (BA Malayalam)**

PSO1	Analyze and interpret Malayalam texts, identifying themes, motifs, and literary devices
PSO2	Express complex ideas and arguments effectively in Malayalam, both orally and in writing
PSO3	Demonstrate knowledge of Malayalam literature, culture, and history, and its relevance to contemporary society
PSO4	Create original writing in Malayalam, such as poetry, short stories, or essays, showcasing imagination and literary skill.

## Programme Specific Outcomes -UG

### First Degree Programme in Mathematics (BSc.Mathematics)

<b>PSO1</b>	Acquire knowledge in functional areas of Mathematics and apply in all the fields of learning.
<b>PSO2</b>	Equip the student with skills to analyze problems, formulate a hypothesis, evaluate and validate results, and draw reasonable conclusions thereof.
<b>PSO3</b>	Employ mathematical ideas encompassing logical reasoning, analytical, numerical ability, theoretical skills to model real-world problems and solve them.
<b>PSO4</b>	Develop critical thinking, creative thinking, self confidence for eventual success in career.
<b>PSO5</b>	Analyze, interpret solutions and to enhance their Entrepreneurial skills, Managerial skill and leadership
<b>PSO6</b>	Recognize the need for life long learning and demonstrate the ability to explore some mathematical content independently.
<b>PSO7</b>	To prepare the students to communicate mathematical ideas effectively and develop their ability to collaborate both intellectually and creatively in diverse contexts.
<b>PSO8</b>	Imbibe effective scientific and/or technical communication in both oral and writing.
<b>PSO9</b>	Continue to acquire relevant knowledge and skills appropriate to professional activities and demonstrate highest standards of ethical issues in mathematical sciences.

## PROGRAMME SPECIFIC OUTCOME – UG

### First Degree Programme in Physics (B.Sc. Physics)

PSO1	Conceptual understanding of Physics and its practical applications and scope in the present world.
PSO2	Analyzing the theory part with practical experiments, interpretation of experimental results, finding out errors, suggestions to improve the errors
PSO3	Develop and construct practical model systems from their conceptual knowledge.
PSO4	Acquire conceptual understanding of properties of matter, fundamentals of mechanics and their practical applications
PSO5	Acquire knowledge about basics of thermodynamics and working of heat engines and their practical applications.
PSO6	Acquire the theoretical basis of electrodynamics, Magnetism, Super conductivity, Classical, Statistical and Relativistic Mechanics, Optics, Solid State Physics, Quantum Mechanics, Nano technology.
PSO7	Impart knowledge about the relevance of Industry Based Course and have attained hands-on training on experimental skills.
PSO8	Distinguish Microscopic Macroscopic Systems and statistical distributions.
PSO9	Acquire conceptual understanding of Physics to General real-world situations.
PSO10	Integrate the Quantum Mechanics to understand the fundamentals of other branches of Physics such as Vibrational, Raman, Electronic, Resonance Spectroscopy.
PSO11	Identify possible atomic and molecular energy levels and transitions and predict the existence of new elements.
PSO12	Develop an idea regarding X-rays, and different spectroscopic techniques.
PSO13	Acquire the knowledge of the basic idea about Electronics, Digital Electronics and working of different electronic components.
PSO14	Students will use the knowledge of electronics and communication to analyze the contemporary communication systems and to design the system.
PSO15	Apply the Lagrangian and Hamiltonian formalisms to solve various dynamical problems which involve constraints.
PSO16	Basic understanding and concepts of the causes, effects, and control of various types of environmental pollution.
PSO17	Students will use the knowledge of Mechanics to describe the motion of objects in different force fields.

PSO18	Develop Basic idea about linear and non- linear optical phenomena and their practical application in real world.
PSO19	Use advanced computer language for problem solving and practical applications.
PSO20	Acquire knowledge about the concept of project, methodology in research and working of scientific institutions.

## PROGRAMME SPECIFIC OUTCOME – UG

### First Degree Programme in Political Science (BA Political Science)

PSO1	Understand the place of Political Science within the broader spectrum of Social Sciences and allied interdisciplinary areas
PSO2	To improve understanding of basic facts and concepts about political system, including philosophical, constitutional and legal foundations, policy making processes etc.
PSO3	Understand the diverse institutions, processes, constitutional and legal frameworks and public policies in one's own country and to compare it across the world
PSO4	Students should be able to differentiate among multiple Political Science perspectives, theories and ideologies from a range of written or spoken genres. They should be able to explain, analyze and articulate contemporary issues and events using such perspectives, theories and ideologies.
PSO5	Acquire specialized knowledge about the shaping of the global politics and the diverse theories and approaches that facilitate its explanation
PSO6	Demonstrate the ability to outline and defend a vision of politics for the present and future generations with the aid of democracy, justice, rights, freedom and secularism.
PSO7	To promote acquisition of citizenship skills and the ability to understand and appreciate human diversity; and to engage in community life as active citizens.
PSO8	To enable students to evaluate and analyze political processes and effectively apply theoretical and analytical skills to address significant issues in the political world by taking political and administrative responsibilities.
PSO9	Analyze a phenomenon, an event or a construct with insight, knowledge, reasoning and technical skill by employing appropriate research methodology and draw original and logical conclusions.
PSO10	Promote linkages with industry through internships and project works by involving in activities related to Local self-government institutions, Media, Parliamentary Procedures and practices and Survey research and data analysis.

	PROGRAMME SPECIFIC OUTCOME -UG
	First Year Degree Programme in Sanskrit (BA Sanskrit)
PSO 1	Acquire basic knowledge in Sanskrit language and literature.
PSO 2	Develop communication and presentation skills in Sanskrit, English, and Regional language.
PSO 3	Evaluate various types of literary works critically.
PSO 4	Understand the general concepts of philosophical and technical knowledge in Sanskrit.
PSO 5	Explore critically the different branches of ancient Indian wisdom.
PSO 6	Understand the moral, ethical, aesthetic, and multi-dimensional aspects of Sanskrit resources.
PSO7	Acquire the basic knowledge of Sanskrit linguistics and grammar.
PSO8	Familiarise with the contributions of Kerala to Sanskrit literature and philosophy.
PSO 9	Acquaint with the basics of academic enquiry using ICT tools.
PSO 10	Develop the ability for self-directed learning.

## PROGRAMME SPECIFIC OUTCOME – UG

### First Degree Programme in Zoology (BSc. Zoology)

PSO1	Students gain an in-depth knowledge of the diversity in form, structure and habits of vertebrates
PSO2	Students are able to systematically pursue Zoology in relation to other disciplines that come under the rubric of science, as the methodology and perspectives of Science is introduced in general
PSO3	Student understands the fundamental structure, biochemistry and function of the cell
PSO4	Provide a hands- on training experience in anatomy through simple dissection and mountings is obtained.
PSO5	Students understand the underlying genetic mechanism operating in man and state of the art bio-techniques
PSO6	Student get updated on the scope and importance of clinical immunology and become aware of the inherent dangers of microbes
PSO7	Student's perspective of health and biology is improved through in-depth study of human physiology
PSO8	Improve the student's perspective of health and biology through in-depth study of human physiology
PSO9	Expand basic informatics skill and attitudes relevant to the emerging society and also to equip the student to effectively utilize the digital knowledge resources for the study of Zoology
PSO10	Familiarize the student with the principle of developmental biology and provide him a bird's eye view of sophisticated embryological techniques
PSO11	Enhance the student's concept of nature and her resources and appreciating the process and product of organic evolution
PSO12	Expertise the student to carry out routine hematological and microbiological techniques
PSO13	Demonstrate basic principles in physiology
PSO14	Redress problems associated with health and sex thereby promoting fitness and wellbeing
PSO15	Develop an aptitude for research in Zoology