

## **BA English**

### **Programme Outcomes**

Students who complete BA English Language and Literature programme course are expected to acquire the following Programme Skills:

PO1.Critical Thinking: Critical thinking from multiple perspectives identifying the limitations and advantages of the framework of thinking and modifying it in a spirit of inclusiveness, public good and sustainability.

PO2: Comprehending the constructed nature of reality and acquiring the ability to go beyond stereotypes

PO3.Effective Communication: Acquiring the four skills (LSRW) in English language and along with the skills to perform and create through the through electronic media and other Indian languages.

PO3. Social Interaction: Inclusive thinking ability, tolerance of other perspectives, capacity to mediate and help reach conclusions in group settings.

PO4. Effective Citizenship: Demonstrate empathy, develop a sense of equity, cultivate a willingness to contribute to national and international welfare, acquire the ability to participate in civic life through volunteering.

PO5. Ethics: Recognize different value systems including one's own and be responsible and committed. PO6. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.

PO7. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes

### **Programme Specific Outcomes: BA English Language and Literature**

PSO 1. A standard level of competence in the use of English for personal, social and academic interests.

PSO 2. Ability to appreciate and analyze literary texts in aesthetic and sociological perspectives.

PSO 3. Appreciate and assimilate the evolutionary history of English language and literature and its spread and reach in relation to the historical happenings like colonialism and imperialism.

PSO 4. Explore and situate a literary text in the context of its production and comprehend the social forces shaping it and the market politics deciding its active life.

PSO 5. Have insight into the linguistic aspects of English and theories of evolution of the languages in general.

PSO 6. Gather the fundamental concerns and interrelationships of translation studies, culture studies, gender studies, film studies, and dalit studies.

## **MA ENGLISH**

### **PROGRAMME OUTCOMES**

On completion of the programme, the learners will:

- PO1. Demonstrate appropriate level of competence in the use of English for personal and academic purposes.
- PO2. Display appropriate skills in analyzing English language at various levels of linguistic analysis.
- PO3. Demonstrate expected level of knowledge about the evolution of English language till date.
- PO4. Demonstrate expected level of expertise in literary history and literary theory.
- PO5. Display high order critical and analytical skills in interpreting literary and cultural texts.
- PO6. Demonstrate the skills to analyze literary and cultural texts in relation to the socio-cultural environment in which they are produced.
- PO7. Get oriented to the intricacies of literary and cultural research.
- PO8. Develop appropriate level of critical and creative thinking skills.
- PO9. Develop the skills of reading and comprehending independently.
- PO10. Gather advanced knowledge in the recently-introduced academic disciplines such translation studies, culture studies, gender studies, film studies, and dalit studies.

### **PROGRAMME SPECIFIC OUTCOMES**

On completion of the programme, the learners will:

- PSO1. Demonstrate high order expertise in using the LSRW skills in respect of English language in social situations as well as in carrying out academic enquiries and making academic expressions.
- PSO2. Develop the skills in analysing English language at phonetic, phonological, morphological, syntactic, semantic, etymological, and discourse levels and in employing the insights thus received in their linguistics articulations.
- PSO3. Display a thorough knowledge of the evolution of English language from the Anglo-Saxon time to the present.
- PSO4. Get a comprehensive knowledge of the socio-political-cultural events of the past centuries in relation to the literatures of those ages.
- PSO5. Get systematic knowledge about the course of British literature down the centuries.
- PSO6. Receive fairly good knowledge of the literature written in English by non-British writers as well as the literatures written in other languages and translated into English.
- PSO7. Demonstrate the insights to correlate the literary texts and the socio-political-cultural environment in which they are produced.
- PSO8. Demonstrate a thorough knowledge of various literary theories and the ability to employ those theories in analyzing and interpreting various texts.
- PSO9. Ability to analyse how literature has been used as a tool of marginalization in terms of gender, class, caste, religion, ethnicity etc at various points of time and how literature has also been used as a tool to fight against marginalisations of various sorts.
- PSO10. Ability to explore into the intricacies of the impacts made by the philosophy and practices colonialism and globalization in human social life and literary and cultural expression.
- PSO11. Get deeper level knowledge about the process and politics of translation as well as the socio-cultural-linguistic impacts of translation.
- PSO12. Develop concrete understanding of the concepts of film theory and demonstrate that understanding in appreciating and analyzing all sorts of films.

- PSO13. Develop fairly good understanding of the field of culture studies and demonstrate that understanding in analyzing cultural artifacts at local and global level.
- PSO14. Get advanced knowledge in the politics of gender binarisation by patriarchal institutions down the centuries and employ such knowledge in the analysis of human life and the literary and cultural expressions of various societies across the world.
- PSO15. Get foundational knowledge about the concerns raised by dalit writings and understand the dynamics of ostracisation and oppression practiced over the years by various societies.
- PSO16. Demonstrate the skills of independent reading and research, developed through a series of assignments, seminars, and the final dissertation.
- PSO17.** Develop the skills of articulating ideas with clarity and coherence and defending one's arguments, as developed through seminar presentations, peer teaching etc. Develop the skills to generate ideas, and to put them in writing by arranging them logically and coherently, and expressing them with clarity, as developed through a series of assignments, and the final dissertation.

## BA HINDI

### PROGRAMME SPECIFIC OUTCOME

PSO1: To build up students with democratic aesthetical sensibility.

PSO2: To train them to historicize the text with different methods & methodologies (theory and practice).

PSO3: To over view Indian languages and literatures.

PSO4: To strengthen their mother tongue reading in connection with Hindi reading.

PSO5: To strengthen their Hindi language usage –improving speaking and writing skills for the healthy competition with Hindi regions students.

PSO6: To train the students in the field of translation-Malayalam><Hindi><English.

PSO7: To train them in Official usage of language, journalistic Hindi language, communicative Hindi etc.

PSO8: Train them to be updated in the whole fields of literary studies.

PSO9: To improve their creative writing skill.

PSO10: To build up research aptitude in primary level.

## BA FUNCTIONAL HINDI

### PROGRAMME SPECIFIC OUTCOME

PSO1: To build up students with democratic aesthetical sensibility.

PSO2: To train them to historicize the text with different methods & methodologies (theory and practice).

PSO3: To over view Indian languages and literatures.

PSO4: To strengthen their mother tongue reading in connection with Hindi reading.

PSO5: To strengthen their Hindi language usage –improving speaking and writing skills for the healthy competition with Hindi regions students.

PSO6: To train the students in the field of translation-Malayalam><Hindi><English.

PSO7: To train them in Official usage of language, journalistic Hindi language, communicative Hindi etc.

PSO8: Train them to be updated in the whole fields of literary studies.

PSO9: To improve their creative writing skill.

PSO10: To build up research aptitude in primary level.

## BA MALAYALAM

### BA Malayalam: Program Specific Outcome

PSO1: Pracheena Madhyakala Kavitha: To acquaint the students in the origin and evolution of Malayalam poetry.

PSO2: Malayala Sahityacharithram Part I: To initiate the students to a general overview of Malayalam literary history.

PSO3: Malayala Kavitha: Adunikam Adunikanantharam: To enable the students to understand the shift in the sensibility manifested in modern and post modern poetry in Malayalam, introduce the students to new movements and poets as well as to the influences that environmentalism and Dalit movements had on Malayalam poetry.

PSO4: Cherukatha Sahityam: To familiarize the students in the inclusive and specific aspects of the short story genre in Malayalam.

PSO5: Malayala Sahitya Vimarshanam: To create an awareness about the history of literary criticism in Malayalam, to introduce the students to the origin and evolution of literary

criticism in Malayalam, and understand how novel trends in criticism influence the critical realm in Malayalam criticism.

PSO6: Madhyamaparichayam: Facilitating the students to critically analyze media culture including print/online/visual media.

PSO7: Pashchathya Sahithya Sidhantham: Enabling a general overview of Western Literary theories which influenced in the making of the Malayalam literary theoretical realm and to familiarize the students in important key terms and post modern theories.

PSO8: Malayala Sahithyacharithram II: Enabling an understanding in the general overview of Malayalam literary history.

PSO9: Bhasha Shastravum Vyakaranavum: To enable the students to understand linguistics and grammar as part of analyzing the usage of the language.

PSO10: Novel Sahithyam: To help the students understand the narrative and stylistic aspects of novel during its inception, historical novels, social realist novels, the modern period in Malayalam novel, changes in the mode of characterization, the larger evolution of Malayalam novel history.

PSO11: Paurasthya Sahithya Sidanthanghal: An understanding about the influences of Dravidian-Sanskrit poetic theories in the making of Malayalam literary criticism.

PSO12: Kerala Samskaram. An analysis of Kerala history, culture and the identity formation of the region called Kerala. Familiarizing the students with the history of early settlers in Kerala, Dravidian culture, cultural changes effected during pre colonial foreign exchange, contributions of various religions, social reform movements, colonization etc.

PSO13: Nadodi Vijnaneeyam: To help students understand the history of the discursive field of Folklore as well as the linguistic and cultural significance of folk traditions in Kerala.

PSO14: Arangum Porulum: To familiarize the students in the origin, development and the vocabulary of visual arts in Kerala, the technical side of visual arts including cinema and analyze the literary value of film scripts.

PSO15: Paristhithi-Dalit-Sthreevadhham: To create awareness about the marginalized communities and their cultures, subaltern theories which help recognize the importance of Dalit and women writing.

PSO16: Pothuvivara Shasthram: To train the students in the basics of information technology, the skills required to use softwares including office package and create awareness about digital technology.

PSO17: Gadhya Sahithyam: To create a general understanding about the ancient and modern prose forms and different kinds of prose forms in Malayalam.

PSO18: Malayalam Project: To promote interest in research as well as introduce students to research methodology.

## PROGRAMME OUTCOME

PO1.Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.

PO2.Effective Communication: Speak, read, write and listen clearly in person and through electronic media in F and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.

PO3. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.

PO4. Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.

PO5. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.

PO6. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.

PO7. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes

## PROGRAMME SPECIFIC OUTCOMES

PSO1: Know key questions, fundamental concepts, and theoretical frameworks critical to an understanding of political theory

PSO2: Know the evolution of political institutions- both national and international

PSO3: Solve complex problems by demonstrating a mastery of substantive knowledge in the disciplines and sub-fields

PSO4: Understand Theories, Ideologies and Concepts in Political Science

PSO5: Follow scientific and humanistic methods to design and carry out politically oriented Research projects by utilizing advanced social research methods

PSO6: Understand Political Process - National and International level

PSO7: To communicate effectively political knowledge to general audiences as well as colleagues in the field.

PSO8: Comprehend Political/ Power Dynamics in Society

PSO9: Study the behavior of political parties and their role in the nation building process

## **BA HISTORY**

### **PROGRAMME SPECIFIC OUTCOME**

PSO1 Learning History as a core subject will provide students with skills in chronicled analysis, understanding of the past events and in depth knowledge of historical events.

PSO2 These aptitudes prepare students for professional opportunities in diverse fields and also enabling them to be lifelong learners

PSO3 This programme will help students to attain mastery of critical reading, writing and thinking skills which in turn help them to debate the major historical school of thoughts.

PSO4 Students will demonstrate in discussion and written work their understanding of different Peoples and cultures in past environments and of how those cultures changed over the Course of the centuries.

PSO5 Students will demonstrate in written work and class discussions the ability to recognize and articulate the diversity of human experience, including ethnicity, race, language, gender, as well as political, economic, social, and cultural structures over time and space.

PSO6 Students will develop the ability to distinguish between fact and fiction while understanding that there is no one historical truth.

PSO7 Students will develop an informed familiarity with multiple cultures.

PSO8 Students will demonstrate their understanding of cause and effect along with their knowledge of the general chronology of human experience.

PSO9 Students will acquire basic historical research skills, including effective use of libraries, archives and databases.

PSO10 Students will master current methods and skills in historical documentation and interpretation to make history useful and accessible to the public

## **BBA**

### **PROGRAMME OUTCOME**

- PO11. To develop an attitude for working effectively and efficiently in a business environment and to integrate knowledge, skill and attitude that will sustain an environment of learning and creativity
- PO12. To inculcate values of discipline, dignity, dedication and devotion to higher causes along with sportsmanship to make them better citizens
- PO13. To demonstrate knowledge of major theories and models in key areas of organization and to enable to be capable of making decisions at personal and professional level
- PO14. To meet the growing needs of the business society and to empower with entrepreneurial and decision making skills
- PO15. To be proficient in the use of appropriate information technologies and synthesis of knowledge across disciplines.

### **PROGRAMME SPECIFIC OUTCOMES**

- PSO1: To enable students to understand the general principles and practices of Management and familiarize the students with the current management practices.
- PSO2: To analyse business priorities in the changing economic and environmental conditions.
- PSO3: To enable the students to understand various budget proposals and its impact on the business sector.
- PSO4: To acquaint the students with the basic theories of entrepreneurship
- PSO5: To give an overview of the ethical aspects of business and corporate social responsibility
- PSO6: To enable the students for acquiring basic knowledge in business research methods and to develop basic skills in them to conduct survey research and case studies
- PSO7: To enlighten the students on International Business Environment, which includes international Financial management, International Marketing and international Currency and to study the impact of globalization on Indian Industry.
- PSO8: To provide the students an understanding about the managerial use of data for planning, control and decision making
- PSO9: To give a conceptual understanding of Marketing Management, Operations Management, Financial Management, Human Resource Management and disaster Management in organizations.
- PSO10: To apply the skills of critical thinking, conflict resolution, team work, leadership, communication and entrepreneurship in shaping their career.

### **COMMERCE PROGRAMME OUTCOME**

- PO16. To build a strong foundation of knowledge in different areas of commerce and to develop the skill of applying concepts and techniques used in Trade, Commerce and Industry

- PO17. To provide knowledge, tools of analysis and skills with which to understand and participate in the modern business and economics world
- PO18. To develop an attitude for working effectively and efficiently in a business environment and to integrate knowledge, skill and attitude that will sustain an environment of learning and creativity
- PO19. To inculcate values of discipline, dignity, dedication and devotion to higher causes along with sportsmanship to make them better citizens
- PO20. To demonstrate knowledge of major theories and models in key areas of organization and to enable to be capable of making decisions at personal and professional level
- PO21. To meet the growing needs of the business society and to empower with entrepreneurial and decision making skills
- PO22. To be proficient in the use of appropriate information technologies and synthesis of knowledge across disciplines.
- PO23. To produce graduates equipped with the knowledge, skills and attitude to meet the challenges of the modern day business organizations, and equips them to pursue M.Com degree program in due course
- PO24. A career in commerce offers immense growth as demand for professionals is always on a high and job opportunities exist right after the programme
- PO25. Emerged in the form of Chartered Accountant, Cost and works accountant, Company secretary and Business administrator. The output of Commerce Education is multidimensional and with full global competitiveness

### **Programme Specific Outcomes**

- PSO18. Demonstrate a knowledge of markets, firms, government policy, and resource allocation
- PSO19. Demonstrate a knowledge of key concepts underlying quantitative decision analysis
- PSO20. Provides a platform for experimental learning and to work collaboratively and productively in groups
- PSO21. Industry specific focused approach on specific areas which are crucial in the management of companies
- PSO22. Demonstrate an understanding of the concepts, principles, theories and arguments of their selected areas of study outside the core disciplines of economics and business
- PSO23. Operate effectively in multicultural and diverse environments and engage confidently in self-directed study and research
- PSO24. Strategic and critical thinking in relation to business and commerce related issues
- PSO25. Critically evaluate new ideas, research findings, methodologies and theoretical frameworks in a specialised field of study
- PSO26. Research skills including the retrieval of information from variety of business, commerce and economics sources

- PSO27. Use basic mathematical and statistical tools of analysis and apply critical and analytical skills and methods to the identification, evaluation and resolution of complex problems
- PSO28. Use effectively information from diverse sources and communicate ideas effectively in both written and oral formats
- PSO29. Analyze commerce /business issues in the international contexts and compare international contexts and issues through the lens of the commerce disciplines
- PSO30. Analysis and evaluation of evidence in the commerce disciplines in support of an argument, proposition or solution to problems in organisations and in society
- PSO31. Analyse organisational problems and generate realistic solutions based on current academic research in organization
- PSO32. Evaluate national and international debates and discussions on economic, commercial, and business issues
- PSO33. Recognize and understand the ethical responsibilities of individuals and organisations in society
- PSO34. Aware of cultural differences and able to account for these in developing solutions to commerce related problems
- PSO35. Ethical and collegial in professional practice, Leaders in communities and to be effective decision makers in business and commerce
- PSO36. Attuned to cultural diversity and active global citizens
- PSO37. Prepares for a career in Banking, Insurance, Investments, Equity Research Analyst, Financial Accounting & Auditing, Auditing & Cost Accounting, Company Secretarial Practice, Foreign Trade Practice & Procedures, Financial Consultancy, etc. in India as well as in abroad.

## **BA ECONOMICS**

### **PROGRAMME OUTCOME**

PO1.Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.

PO2.Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.

PO3. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.

PO4. Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.

PO5. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.

PO6. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.

PO7. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes

### PROGRAMME SPECIFIC OUTCOME

PSO1: Understand the evolution and behaviour of Indian economy

PSO2: Analyse micro economic theories to the real world situations.

PSO3: Analyze macroeconomic policies including fiscal and monetary policies of India

PSO4: Determine economic variables including inflation, unemployment, poverty, GDP, Balance of Payments using statistical methods

PSO5: Understand the behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions

PSO6: Understand the mathematical application of economic theories

### **BSc PHYSICS**

#### **Programme Outcome**

Students of all undergraduate (UG) general Degree programs at the time of graduation will be able to

PO1.Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the Degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.

PO2.Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.

PO3. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.

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#### PROGRAMME SPECIFIC OUTCOME:

PSO1: Inculcate interest in Physics.

PSO2: Boost the capacity and confidence of adopting Physics.

PSO3: Stimulate to continue further in the field of Physics

PSO4: Accomplish the necessary Physics and allied background

PSO5: Strong base in Physics through its history, concepts involved and methodology adopted.

PSO6: Prepare to use knowledge about the subject in a right and meaningful way.

PSO7: Develop competency to apply the subject knowledge in traversing fresh paths.

PSO8: Germinate new ideas in Physics for the benefit of the society.

PSO9: Respond creatively and effectively to the new challenges in the subject.

PSO10: Problems solving through mathematical formulations

PSO11: Enhance experimental skill through lab involvements

PSO12: Develop investigation aptitude through projects

PSO13: Promote scientific report writing practice through project reports and assignments.

PSO14: Promote Institutional interactions through lab visits.

PSO15: Strengthen the ability to verbally explain the subject through viva voce.

#### MSc PHYSICS

#### PROGRAMME OUTCOME

Students of all postgraduate (PG) general Degree programs at the time of graduation will be able to ,

PO1.Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the Degree to which these assumptions are accurate

and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.

PO2. Effective Communication: Observe, analyse and research clearly in person and through electronic media.

PO3. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.

PO4. Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.

PO5. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.

PO6. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.

PO7. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes

## **BSc CHEMISTRY**

### Program outcome

To enable the students

PO1: To understand basic facts and concepts in chemistry while retaining the exciting aspects of

chemistry so as to develop interest in the study of Chemistry as a discipline

PO2: To acquire the knowledge of terms, facts, concepts, processes, techniques and principles of subject

PO3: To develop the ability to apply the principles of Chemistry

PO4: To be inquisitive towards advanced Chemistry and developments therein.

PO5: To appreciate the achievements in chemistry and to know the role of Chemistry in nature and in society.

PO6: To develop problem solving skills

PO7: To familiarized with the emerging areas of chemistry and their applications in various spheres of Chemical sciences and to apprise the students of its relevance in future studies.

PO8: To develop skills in the proper handling of apparatus and chemicals.

PO9: To give exposure to the different industrial processes and their applications.

Program specific outcome

PSO1: To impart theoretical knowledge on analytical data, atomic structure, chemical bonding and nuclear chemistry

PSO2: To understand the fundamentals of volumetric, gravimetric and qualitative analysis, separation methods, instrumental methods of analysis, the concepts of acids bases and non aqueous solvents.

PSO3: To understand the different types of organic reaction mechanisms and different classes of organic compounds.

PSO4: To describe the stereochemistry, aromaticity of carbon compounds, carbohydrate, heterocyclic compounds and polymer chemistry

PSO5: To understand properties of elements including s block, p block, noble gases, boron compounds, inorganic polymers and organometallic compounds.

PSO6: To describe the coordination compounds, different theories of bonding, bioinorganic compounds, inner transition elements, metals and alloys and corrosion.

PSO7: To understand the properties of gases, liquids solids and different types of solutions

PSO8: To describe the basic concepts of thermodynamics, thermodynamic relations, chemical equilibrium, phase rule and surface chemistry.

PSO9: To understand the characteristics of different classes of organic compounds such as carbonyl compounds, carboxylic acids, nitrogen compounds, natural products, dyes drugs, pericyclic reactions and to understand the importance of green chemistry.

PSO10: To describe characteristic features of electrical conductance, electromotive force, ionic equilibria, chemical kinetics and photochemistry

PSO11: To impart knowledge about modern techniques such as spectroscopic methods and instrumental methods of analysis, brief description of molecular symmetry and nano science

PSO12: To create awareness about the environmental issues and to impart knowledge about modern techniques for analyzing environmental pollutants.

PSO13: To create interest in studying the role of chemistry in overall development to the students of other disciplinary .

PSO14: To develop skills in proper handling of apparatus and chemicals, to expose different processes used in industries and their applications.

## MSc CHEMISTRY

### PROGRAMME SPECIFIC OUTCOME

PSO1: Advanced level of understanding in Analytical, Inorganic, Organic, Physical & Environmental Sciences.

PSO2: Be able to communicate scientific knowledge and environmental issues to public

PSO3: Be able to develop problem solving and critical thinking.

PSO4: Global level research opportunities to pursue Ph.D programme targeted approach of CSIR-NET examination.

PSO5: Obtain insight into the interface between natural science on one hand and issues pertaining to the areas of modern technology, health & environment on the other hand.

PSO6: Obtain knowledge of well defined area of research in chemistry.

PSO7: Be able to obtain job opportunities at all level of chemical, pharmaceutical industries.

### BSc BOTANY PROGRAMME OUTCOME

PO1: The communication skill development in English and one Indian language (Malayalam/ Sanskrit and Hindi)

PO2: The acquisition of skill to collect and transact the knowledge to the peer group and society.

PO3: The enhancement of quality in personal, academic and professional life through self evaluation, self criticism and subsequent refinement.

PO4: The methodology of scientific reasoning and critical thinking is to be developed among students by means of learning activities of three years.

PO5: The internalisation of the concepts - scientific temper, sustainable development and life style.

PO6: The realisation of various aspects of the biodiversity after observing the diverse nature, its life forms and life processes.

PO7: Updating and expansion of basic informatics skills and attitudes relevant to the emerging knowledge society and also to equip the students to effectively utilize the digital knowledge resources

### Programme Specific Outcome

PSO1: Skill development for the proper description using botanical terms, identification, naming and classification of life forms especially plants and microbes.

PSO2: Acquisition of knowledge on structure, life cycle and life processes that exist among plant and microbial diversity through certain model organism studies.

PSO3: Understanding of various interactions that exist among plants animal and microbes; to develop the curiosity on the dynamicity of nature.

PSO4: Understanding of the major elements of variation that exist in the living world through comparative morphological and anatomical study

PSO5: Skill development for the collection, preservation and recording of information after observation and analysis- from simple illustration to molecular database development.

PSO6: Making aware of the scientific and technological advancements- Information and Communication, Biotechnology and Molecular Biology for further learning and research.

PSO7: Internalisation of the concept of conservation and evolution through the channel of spirit of inquiry.

## **B.Sc. Mathematics**

### **PROGRAMME SPECIFIC OUTCOME**

**PSO1:** Be able to explain the core ideas and the techniques of mathematics at the college level;

**PSO2:** Be able to apply rigorous, analytic, highly numerate approach to analyze, execute tasks and solve problems in daily life and at work;

**PSO3:** Be able to recognize the power of abstraction and generalization, and to carry out investigative mathematical work with independent judgment;

**PSO4:** Be able to demonstrate a systematic knowledge of learning processes and a professional attitude in classroom teaching of mathematics and IT;

**PSO5:** Be able to communicate effectively about mathematics to both lay and expert audiences utilizing appropriate information and communication technology;

**PSO6:** Be able to setup mathematical models of real world problems and obtain solutions in structured and analytical approaches with independent judgment;

**PSO7:** Be able to carry out objective analysis and prediction of quantitative information with independent judgment.

## **MSc MATHEMATICS**

### **PROGRAMME SPECIFIC OUTCOME**

**PSO1:** To cultivate a mathematical attitude and nurture the interests,

**PSO2:** To motivate for research in mathematical sciences.

**PSO3:** To understand complex mathematical ideas and arguments.

**PSO4:** To develop abstract mathematical thinking.

**PSO5:** Be able to communicate effectively about mathematics to both lay and expert audiences utilizing appropriate information and communication technology;

**PSO6:** Be able to setup mathematical models of real world problems and obtain solutions in structured and analytical approaches with independent judgment;

**PSO7:** Be able to carry out objective analysis and prediction of quantitative information with independent judgment.