

Shree Jayendrapuri Arts and Science College, Bharuch

UNDERGRADUATE PROGRAMME OUTCOMES (PO)

On the completion of an Undergraduate Programme in Arts and Science from Shree Jayendrapuri Arts and Science College, Bharuch, a learner would have obtained the following:

PO	Name of the PO	Description of the PO
1	Critical Thinking	Ability to 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
2	Effective Communication	Ability to 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
3	Effective Citizenship	Ability to 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
4	Environment and Sustainability	Ability to understand the issues of environmental contexts and sustainable development
5	Ethical Living	Ability to recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them

Bachelor of Arts - Economics

Programme Outcome (PO):

PO-1 To provide students a well-founded education in Economics.

PO-2 To provide and adapt curricula that prepare our graduates for employment and further study as economists.

PO-3 To provide the students with the opportunity to pursue courses that emphasize quantitative and theoretical aspects of Economics.

PO-4 To provide students with the opportunity to focus on applied and policy issues in Economics.

Programme Specific Outcome (PSO)

PSO-1 Students will be able to understand economic vocabulary, methodologies, tools and analysis procedures.

PSO-2 Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.

PSO-3 Students will learn to apply economic theories and concepts to contemporary social issues, as well as analysis of policies.

PSO-4 As the programme contains the fields like statistics, mathematics and economic principles, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern of savings and investments and social security measures adopted in the country.

PSO-5 They can explore an issue or topic of current affairs, analyze and find solutions to social, political or community problems, generate ideas or suggest courses of action, increase the knowledge, develop deeper understanding through discussion, they can have meaningful and productive dialogue, have practical exposure through industrial visit and rural visit.

PSO-6 The program creates various job opportunities. The students can become an accountant, Actuarial analyst, Data analyst, Economist, Economic Researcher, Financial Consultant, Financial Planner, Financial Risk Analyst, Forensic Accountant, Income Tax Officer, Indian Economic Service, Investment analyst, Statistician, Stock Broker, Business Development Manager, Civil Service Fast Streamer, Data Scientist, Diplomatic Service Officer, Local Government Officer, Management Consultant, Policy Officer, Quantity Surveyor and so on.

Bachelor of Arts - English

Programme Outcome (PO)

PO-1 Students should be familiar with representative literary and cultural texts within a significant number of historical, geographical, and cultural contexts

PO-2 Students should be able to apply critical and theoretical approaches to the reading and analysis of literary and cultural texts in multiple genres.

PO-3 Students should be able to write analytically in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources.

PO-4 Students should be able to understand the process of communicating and interpreting human experiences through literary representation using historical contexts and disciplinary methodologies.

Programme Specific Outcome (PSO)

PSO-1 The Programme enables students to acquire a sound comprehension of literary, societal, cultural, biographical and historical background of the greatest writings in British, American and Indian English Literature

PSO-2 It also provides adequate information on colonization and postwar consequences through the literary, societal, cultural, biographical and historical background of the greatest writings in Commonwealth literature.

PSO-3 It peeps into the history of English Language and varied components of linguistic structures of the language.

PSO-4 The Programme ensures that the students master all four language skills and become effective communicators with in depth knowledge of cultural aspects of the language enabling them to use variety of structures in any given situation.

PSO-5 They can apply critical frameworks to analyze the linguistic, cultural and historical background of texts written in English.

PSO-6 They will be familiar with the conventions of diverse textual genres including fiction, non-fiction, poetry, autobiography, biography, Journal, film, plays and so on.

Bachelor of Arts - Gujarati

Programme Outcome (PO)

PO-1 The Programme has the purpose to revive the classical language, its dialects and the values and culture incorporated in the language.

PO-2 It enables the students to develop literary viewpoint and understanding.

PO-3 The students develop aesthetics and art related point of view.

PO-4 It also enables students to conduct research and comparative study and indulge in creative writing to further contribute to the language and literature.

PO-5 The programme stresses on Socio-cultural aspect of literature and language and inculcates values as well as humanitarian approach. It also creates various job opportunities in various fields like education, government sectors, creative writing, reporting and so on.

Programme Specific Outcome (PSO)

PSO-1 The Programme creates various job opportunities in India and abroad as the language is used by Gujarati people spread all over India and across the world.

PSO-2 The learners can become translators and teachers.

PSO-3 It enables students to acquire a sound comprehension of literary, societal, cultural, biographical and historical background of the greatest writings in Gujarati in India.

PSO-4 It also provides adequate information on the history of Gujarat and Gujarati Language through the literary, societal, cultural, biographical and historical background of the greatest writings in Gujarati.

PSO-5 The Programme ensures that the students master all four language skills and become effective communicators with in depth knowledge of cultural aspects of the language enabling them to use variety of structures in any given situation.

PSO-6 They will be familiar with the conventions of diverse textual genres including fiction, non-fiction, poetry, autobiography, biography, dramas and so on.

Bachelor of Arts - Hindi

Programme Outcome (PO)

PO-1 The students, who learns the language well, can work anywhere in India.

PO-2 The multilingual context in India makes learning the language extremely important.

PO-3 Be it government or private sector knowledge of Hindi creates great vocational advantages.

PO-4 It provides in depth knowledge of grammar and vocabulary.

PO-5 It also offers practice in translation from Hindi to Gujarati and Gujarati to Hindi, the students can become Translators in many Central Government Offices.

PO-6 Through studying Poetry and other forms of literary work, they can become creative writers, poets and authors.

PO-7 Criticism is an important aspect of the course through which students can become critics or opt to become journalists or columnist.

PO-8 By studying dramas and one act plays, they can become good actors.

PO-9 Through developing good communication skills and command over language one can become a good speaker. Having good command over particular language one can present himself in a better way vocationally.

Programme Specific Outcome (PSO)

PSO-1 The Students can work anywhere in India, as they know Hindi - Our National Language. In many other countries also, Hindi is used as an Official Language as well as second Language. So, they can easily be employed easily in those countries also.

PSO-2 An increased knowledge and understanding of Hindi Grammar.

PSO-3 A basic familiarity of the history of Hindi literature.

PSO-4 The passages to be read, translated, interpreted and discussed in class are taken.

PSO-5 As they are Practicing Translation from Hindi to Gujarati and Gujarati to Hindi and some other Languages as well, they can become Translators in many Central Govt. Offices.

Bachelor of Arts - Psychology

Programme Outcomes (PO)

PO-1 Application of knowledge with critical thinking skills: Students should be able to use critical thinking to evaluate and interpret evidence, and to apply psychological concepts, theories, and research findings to individual, social, and cultural issues.

PO-2. Application of research methods with values and integrity: Students should be able to apply basic research methods in psychology, with sensitivity to ethical principles.

PO-3. Communication skills: Students should be able to demonstrate effective communication skills following professional conventions in psychology appropriate to purpose and context.

PO-4. Awareness of sociocultural diversity and societal inequality: Students should be able to understand the complexity of sociocultural diversity and societal inequality in the inquiry and analysis of psychological issues.

PO-5 articulate the developmental changes resulting from hereditary and environmental factors

PO-6 Compare and contrast theoretical perspectives within psychology

Program Specific Outcomes (PSO)

PSO-1 After completing this specific course students will be able to understand the definition, development of psychology in India, subject matter, branches and methods of psychology.

PSO-2 The students will be able to understand the concept of perception, perceptual organization, perception of depth and moment and illusion and hallucination.

PSO-3 Students will be able to understand the concept of learning and motivation and their theories and how to utilize these theories in their day-to-day life.

PSO-4 They will be able to understand the nature of memory, types of memory and how to improve memory.

PSO-5 The students will be able to understand the concept of statistics, types of statistics, measurement and its types. Different types of graphical representations and its utilization in research and daily life.

PSO-6 The students will be able to understand the concept of bio-psychology, its nature, its scope, type of nervous system, endocrine system and functions of glands.

PSO-7 The students will be able to understand the concept of individuality, the nature of personality, different types of personality, determinants of personality, concept of intelligence, theories of intelligence, emotional intelligence and emotional testing. They also will be able to understand the role of culture on personality and how to enhance the individual potential.

PSO-8 The students will be able to understand the history of psychology and pioneer of different psychological schools and their contribution in the field of psychology. (Psychophysics, psychoanalysis, gestalt, behaviourism, humanistic etc.)

PSO-9 The students will be able to understand the concept of research, types of research, ethics of research, qualities of good research, sampling and its types, different methods of research, the concept of psychological testing and standardization of a test.

PSO-10 The students will be able to understand the concept of social psychology, its scope, its current status, social interaction and influence and group dynamics in their life and how to apply them.

Bachelor of Arts - Sanskrit

Programme Outcome (PO)

PO-1 The course concentrates on giving students a thorough grounding in the language, and the bulk of the teaching proceeds by the reading and explication of classical texts. Students also specialize in a subject area of their choice.

PO-2 To produce more people with mastery over not only the language but also the rich literature and tradition that it represents.

PO-3 The programme aims to pass on our rich heritage and values to the new generations. It creates wide vocational opportunities in various fields in private as well as government sector in India as well as abroad.

Programme Specific Outcome (PSO)

PSO-1 A study of Sanskrit helps highlight the salient feature of Indian culture heritage preserved in Sanskrit texts.

PSO-2 An increased ability to read and understand Sanskrit texts.

PSO-3 An increased knowledge and understanding of Sanskrit Grammar.

PSO-4 A basic familiarity of the history of Sanskrit literature.

PSO-6 A basic familiarity of Sanskrit culture and religious background.

PSO-7 The passages to be read, translated, interpreted and discussed in class are taken.

Bachelor of Science - Chemistry

Programme Outcomes (PO)

PO-1. Critical Thinking: Students are skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems.

PO-2. Problem Solving Skills: Students are able to solve problems competently by identifying the essential parts of a problem and formulating a strategy for solving the problem. They are able to rationally estimate the solution to a problem, apply appropriate techniques to arrive at a solution, test the correctness of the solution, and interpret their results

PO-3. Communication Skills: Students are able to communicate effectively their views and ideas clearly in person and through modern media in English and in their mother tongue.

PO-4. Modern Tool Usage: Graduates will be able to use computers in data acquisition and processing and use available software as a tool in data analysis

PO-5. Social Responsibility: Students are trained to be an individual with concern for the society they live and to contribute at maximum, their skills and knowledge in the broadest context, for the development of the nation

PO-6. Environment and Sustainability: Students are able to appreciate the central role of chemistry in our society and use this as a basis for ethical behavior in issues facing chemists including an understanding of safe handling of chemicals, environmental issues and key issues facing our society in energy, health and medicine.

PO-7. Self-directed and Life-long Learning: Acquire the ability to engage in independent and self-learning as well as to successfully pursue their career objectives in advanced education and in professional courses, in a scientific career in government or industry, in a teaching career in the school systems, or in a related career following graduation.

Programme Specific Outcomes (PSO)

PSO1: Students have a firm foundation in the fundamentals and application of current chemical and scientific theories including those in Analytical, Inorganic, Organic and Physical branches of chemistry.

PSO2: Acquired the knowledge of terms, facts, concepts, processes techniques and principles of the subject.

PSO3: Developed the ability to apply the principles of Chemistry.

PSO4: Are inquisitive towards advanced chemistry and developments therein.

PSO5: Are able to appreciate the achievements in Chemistry and to know the role of Chemistry in nature and in society.

PSO6: Developed problem-solving skills.

PSO7: 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.

PSO8: Developed skills in the proper handling of apparatus and chemicals.

PSO9: Are exposed to the different processes used in industries and their applications.

Bachelor of Science - Electronics

Programme Outcomes (PO)

PO-1 Understand the basic concepts of electronics components, network theorem, digital electronics, solid state semi-conductor devices, amplifier theory, Analog and Digital circuits, basic circuits, design using circuit maker software and their application

PO-2. Analyze different parameters of various circuits

PO-3 Understand the use of electronics in the field of computer science.

PO-4 Perform and testing of different electronics components and circuits.

PO-5 Analyze the I/P, O/P V-I characteristics of the circuits.

PO-6. Understand the application of Electronics in domestic appliances

PO-7. Analyze the relationship between analogue and digital circuits.

PO-8. Repair small household electrical and electronics appliances

Programme Specific Outcomes (PSO)

PSO-1 Ability to apply knowledge of logical computing relevant and appropriate to the domain.

PSO-2 Ability to design, implement and evaluate computer-based system, process, component.

PSO-3 Focus on statistical science and its application

PSO-4 Capability to design and conduct experiments, as well as analyze and interpret data

PSO-5 Examine the impact of engineering & electronic solutions in global and environmental contexts and utilize the knowledge for sustained development.

PSO-6 Ability to use and apply the techniques & skills in modern engineering practice

Bachelor of Science - Mathematics

Programme Outcomes (PO)

PO-1 The mathematics UG students after the completion of the course will gain a thorough knowledge in preparing competitive examinations conducted by GPSC/UPSC/BSRB

PO-2 The UG curriculum offers need based computer courses which enable the students to solve computer oriented numerical problems.

PO-3 Abstract courses and mathematical structures includes in the UG program enable the students to prepare themselves for higher education leading to M.Sc./MCA degree courses.

Program Specific Outcomes (PSO)

PSO-1 Ability to calculate and reason to design complex and critical financial models for Bank and Insurance Companies.

PSO-2 Ability to understand both concrete and abstract problems.

PSO-3 Ability to make critical observations.

PSO-4 Ability to accurately organize, analyze and interpret data.

PSO-5 Develop the mathematical logic which is very useful for solving mathematical reasoning problems.

POSTGRADUATE PROGRAMME OUTCOMES (PO)

On the completion of a Postgraduate Programme in Arts and Science from Shree Jayendrapuri Arts and Science College, Bharuch, a learner would have obtained the following:

PO	Name of the PO	Description of the PO
1	Discipline	Attained profound expertise in Discipline
2	Multidisciplinary aptitude	Acquired ability to function in multidisciplinary domains
3	Research Intelligence	Attained ability to exercise Research Intelligence in investigations and Innovations
4	Professional Ethics	Acquired Ethical Principles and be committed to Professional Ethics
5	Self reliant	Incorporated self-directed and life-long learning
6	Global perspective	Obtained Ability to maneuver in diverse contexts with Global Perspective
7	Social Interaction	Ability to elicit views of others, mediate disagreements and help reach conclusions in group settings
8	Problem solving and Analytical skills	Ability to think rationally, analyze situations and solve problems adequately

Master of Arts – Gujarati

Program Outcomes (PO)

PO-1 Students are familiarized with the elements of literature, the essence of literature

PO-2 Cultivate in the students the ability to sense-assess-evaluate the literary works

PO-3 Pragmatic information of correspondence and viable written work through the investigation of Poetry.

PO-3 To gain knowledge of important terminology.

PO-4 Students come to understand the mainstream of Literary Criticism and its subject matter

Programme Specific Outcomes (PSO)

PSO-1 Creating a Gujarati scholastic community well versed in both traditional as well as modern outlook and temperament.

PSO-2 Become proficient users of Gujarati language.

PSO-3 Developing an understanding of contextual literature and its application

PSO-4 Understanding the different nuances of meaning, form and purpose.

Master of Arts – Hindi

Programme Outcomes (PO)

PO-1 To acquaint the students with the Hindi literature of the ancient, medieval and modern times.

PO-2 Providing the students with an all-round knowledge of the linguistic system of Hindi

PO-3 Enhancing the employability of the students through an acquaintance with the national language

PO-4 Making the students aware about the relevance of expanding the horizon of sensation and knowledge.

Programme Specific Outcomes (PSO)

PSO-1 Understanding the historical development of the Hindi language, geographical details, linguistic appearance and diversity.

PSO-2 To impart the students with the related knowledge and skills of the Hindi language

PSO-3 The study of Hindi literature is expedient in order to understand and test the composition in its entirety by acquiring taste of the composition with social and cultural environment.

PSO-4 To provide the students a complete study of Hindi in various fields to fulfil the diverse needs and responsibilities of life and society.

Master of Arts – Psychology

Programme Outcomes (PO)

PO-1 The main essence of psychology is individual differences and the factors like genetics and environment (including culture) that make individuals different.

PO-2 It also focuses on the behavior of individuals in different social settings.

PO-3 Various standardized tests and scales are developed in Psychology that can be used to measure psychological entities. Such tests can be used to measure intelligence, personality, attitude, aptitude, adjustment, self-concept and so on.

PO-4 To give the learners a sound base in psychology and human behavior through an in-depth investigation into a broad range of psychological techniques and skills as applied to diverse settings.

Programme Specific Outcomes (PSO)

PSO-1 Students would gain conceptual and theoretical knowledge of psychological principles and would be able to apply them in research and professional areas.

PSO-2 Students would understand the application of psychological principles in applied areas of Psychology and would be able to apply them in professional areas.

PSO-3 Students would gain competencies and professional skills for working and conducting research in the field of Clinical Psychology, Counselling and Health Psychology.

PSO-4 It inculcates in them a spirit of critical enquiry and develops their analytical and creative faculties.

Master of Arts – Sanskrit

Programme Outcomes (PO)

PO-1 The students would be able to understand the secrets of Sanskrit literature

PO-2 Provide adequate knowledge of Sanskrit language which enables students to understand Sanskrit environmental national and global scenario

PO-3 The program would provide the critical reasoning, understanding Sanskrit literature and have capacity analysis of key features and concepts of various commentaries in the discipline.

PO-4 Gain competencies and professional skills for teaching and conducting research in various fields in Sanskrit Grammar, Classical Sanskrit Literature, Vedic Literature and ancient Indian philosophy.

PO-5 The students would be able to understand societies and multi-dimensional application of Sanskrit language

PO-6 Understanding ancient scriptures written in Sanskrit, Pali & Prakrit.

PO-7 Inculcating in students social responsibility through Sanskrit literature student becomes responsible citizen of nation

Programme Specific Outcomes (PSO)

PSO-1 Creating a Sanskrit scholastic community well versed in both traditional as well as modern outlook and temperament.

PSO-2 Become proficient users of Sanskrit language.

PSO-3 Create awareness about interdisciplinary perspectives of Sanskrit language

PSO-4 Produce right knowledge about the utility of the Vedic ritualistic performances.

Master of Science – Chemistry

Programme Outcomes (PO)

PO-1 Augment the recent developments in the field of green and eco-friendly reactions, pharmaceutical, Bioinorganic Chemistry and relevant fields of research and development.

PO-2 Enhance the scientific temper among the students so as to develop a research culture and implementation of the policies to tackle the burning issues at global and local level.

PO-3 Apply the knowledge to develop the sustainable and eco-friendly technology in Industrial Chemistry.

PO-4 Helping students to learn to collaborate effectively on team-oriented projects in the field of Chemistry or other related fields.

Programme Specific Outcomes (PSO)

PSO-1 Demonstrate and apply the fundamental knowledge of the basic principles in various fields of Chemistry

PSO-2 Create awareness and sense of responsibilities towards environment and apply knowledge to solve the issues related to Environmental pollution.

PSO-3 Apply knowledge to build up small scale industry for developing endogenous product.

PSO-4 Apply various aspects of chemistry in natural products isolations, pharmaceuticals, dyes, textiles, polymers, petroleum products, forensic etc. and also to develop interdisciplinary approach of the subject.