



GOVERNMENT COLLEGE FOR WOMEN (A), GUNTUR.

Program Specific Outcomes

After the successful completion of the programme, students will be able to

SPECIAL ENGLISH

PSO1: Demonstrate a comprehensive understanding of major literary works and authors from the Renaissance, Elizabethan, Jacobean, Augustan, Romantic, and Victorian eras by comparing the literary movements and styles of each period, highlighting key historical aspects of Language and Literature along with its characteristics and changes.

PSO2: Analyze, interpret, and critically appreciate literary texts, identifying genres and their structure; themes, and literary devices and explain the basic concepts of Linguistics and Phonetics which will aid in the pursuit of higher education.

PSO3: Demonstrate effective communication skills through written essays, critical annotations and appreciations, reviews and oral presentations of selected works of English Literature from the Renaissance to the Victorian period.

COMMUNICATIVE ENGLISH

PSO1: Examine and explain the fundamental concepts of origins and functions of language, fundamentals of phonetics, linguistics, English language teaching and demonstrate the competencies in simulated contexts.

PSO2: Understand and apply the skills and strategies of reading, listening, writing, and speaking, of English language, in their different forms and functions and communicate effectively in written and oral forms L1-3,5,6

PSO3: Demonstrate the acquisition of these informal and formal as well as professional communication skills which will lead to potential employment and aid in gaining admission to higher education at regional, national and global level

SPECIAL TELUGU

PSO1: ప్రాచీన తెలుగు కవిత్వ సౌందర్యాన్ని విశిష్టతను గుర్తిస్తారు. తెలుగు జాతి సంప్రదాయాలను గ్రహిస్తూ, తెలుగువారి సంస్కృతిలో ఒక భాగమైన తెలుగు పద్యకవిత్వం వికాసం చెందిన విధానాన్ని విశ్లేషణాత్మకంగా అవగాహన చేసుకోగలరు.

PSO2: మార్గకవితకు వ్యతిరేకంగా తలెత్తిన దేశికవితోద్య మాన్ని అవగాహన చేసుకుంటారు. శివకవుల కాలం నాటి మత, ధార్మిక పరిస్థితులను, భాషా విశేషాలను గ్రహించగలరు

PSO3: తిక్కన మహాభారత రచనా విశిష్టతను గ్రహిస్తూ, అందులోని కావ్య శిల్పం ద్వారా రసానుభూతిని పొందగలరు. ఉపాఖ్యానాలలోని సందేశాన్ని గ్రహిస్తూ, గ్రాంథికభాష రూపుదిద్దుకున్న క్రమాన్ని గుర్తించగలరు.

PSO. 4. మార్గకవిత ప్రబంధ ప్రక్రియలోకి పరిణమించిన వైనాన్ని తెలుసుకుంటారు. ప్రబంధయుగ విశిష్టతను, అల్లసానిలోని జిగిబిగిని ఆస్వాదించగలరు. కావ్య వస్తువులో కాలానుగుణం గా వచ్చిన మార్పులు గ్రహించగలరు. చమత్కారాన్ని, కావ్యేతిహాస ప్రక్రియా విశిష్టతను, శబ్ద సౌందర్యాన్ని గ్రహించగలరు.

CHEMISTRY

PSO-1 Assimilate systematic & coherent understanding of fundamental concepts of Physical, Organic, Inorganic, Analytical and all other allied Chemistry subjects and the ability to demonstrate practical techniques in these fields.

PSO-2 Incorporate skills to handle recent advances required for Research Orientation, Employability and Entrepreneurship.

PSO-3 Inculcate Ethical and Environmental consciousness leading to sustainable development of society.

MATHEMATICS

PSO 1 Demonstrate in depth knowledge and understanding of various areas of undergraduate Mathematics curriculum and be able to communicate effectively

PSO 2 Develop a wide range of generic, thinking and problem solving skills by utilizing their Mathematical domain knowledge to independently solve diverse real world problems

PSO 3 Proficiently apply and synthesize core Mathematical concepts, using information technology as an aid to solve problems, formulate clear and accurate Mathematical arguments, conjectures and be able to draw meaningful conclusions from their analysis.

COMPUTER SCIENCE

PSO1: Demonstrate proficiency in different computing paradigm needed for a proper understanding of computer science and learn the design, and development of software used to solve problems in a variety of business, scientific and social contexts.

PSO2: Demonstrate knowledge of computer networks, database systems, software engineering, and theory of computing, and be able to apply this knowledge to implement real-life tasks more efficiently.

PSO3: Show that they have learned different programming languages to enhance and increase the power of computers and internet and capable of oral and written scientific communication and will prove that they can think critically and work independently.

CLOUD COMPUTING

PSO 1: Demonstrate proficiency in understanding and working with the Cloud platforms

PSO 2: Understand and Apply the Customer relationship management (CRM) concepts in the business as per the global needs.

PSO3: Demonstrate the competency to Build, develop, Customize and deploy cloud based apps.

DATA SCIENCE

PSO 1: Become a skilled Data Scientist in industry, academia, or government.

PSO 2: Use specialist software tools for data storage, analysis and visualization.

PSO3: Independently carry out research/investigation to solve practical problems

ELECTRONICS

PSO1: Apply the knowledge on the fundamentals of electronics principles to solve complex problems in Electronics and design systems

PSO2: Use modern tools to create modern electronic kits and tools by selecting and applying appropriate techniques to become a small entrepreneur.

PSO3: Engage in independent and lifelong learning in the broadest context of technological change

PHYSICS

PSO1: Use the phenomenon of physics and components of electronics to design models which can help to become a small scale entrepreneur.

PSO2: Demonstrate knowledge on the mechanism and principles behind advanced electrical appliances

PSO3: Design innovative daily life appliances using principles of Physics

BIO-CHEMISTRY

PSO-1: Demonstrate knowledge and understanding of structure and metabolism of macromolecules, the basic molecular machinery & relate between the regulation and disorders of different metabolic & signalling pathways

PSO-2: Gain proficiency in laboratory techniques in both biochemistry and molecular biology and implement to apply the scientific method to plan and carry out simple investigations.

PSO-3: Understand the technical aspects of existing technologies that help in addressing the biological and medical challenges faced by humankind. And realize the impact of science in society and plan to pursue higher studies

HORTICULTURE

PSO-1 Recall and comprehend the fundamental concepts of horticulture and soil science, plant propagation and nursery management, Basics of Vegetable, Fruit Science, Pests and diseases of horticulture plants and their management, Ornamental Horticulture, and Commercial Floriculture.

PSO-2 Apply the acquired knowledge, analyze and demonstrate the various methods and practices used in horticulture, such as plant propagation, nursery management, vegetable and fruit production, and pest and disease control

PSO-3 Applying critical thinking and problem-solving skills to Create and justify solutions for the challenges in horticulture. Design and develop strategies to enhance horticultural productivity and sustainability.

BOTANY

PSO-1 Understand the basic concepts of plant diversity from simple to complex from aquatic to land inhabitants. Understand the representative forms in non-vascular and vascular plants and their distribution

PSO-2 Apply and Analyse the concepts of Anatomy, Embryology, Cell biology, Genetics, Ecology and plant Physiology and conservation of Biodiversity

PSO-3 Develop various skills in Plant propagation Seed technology in improving Agriculture and Horticulture and design and develop strategies for conservation of Biodiversity and to get employment

BIOTECHNOLOGY

PSO 1: Demonstrate in-depth knowledge of key concepts in Biotechnology, Botany, Zoology and Chemistry concepts in pursuing higher studies in Biotechnology and its allied areas.

PSO 2: Comprehensive understanding of biomolecules and their properties, microbes and their laboratory protocols along with proficiency in utilizing microbial, biophysical and biochemical techniques for the characterization and validation.

PSO 3: Command on the principles of r-DNA Technology and equips with the knowledge and skills to apply biotechnological principles in various fields which helps in employment.

ZOOLOGY

PSO 1: Develop a solid foundation in various branches of Zoology including Systematics, Taxonomy, Physiology, Ecology, Genetics, Cell Biology, Embryology, Evolutionary Biology and Molecular Biology.

PSO 2: Acquire ability to conduct field studies and surveys and understand the principles of Biodiversity, Conservation and role of Zoologists in preserving the ecosystems and Wild Life.

PSO 3: Foster an attitude of continuous learning and updating with the latest developments in Zoology and related fields, prepare for higher studies, careers in research, teaching and entrepreneurial skills related to Zoology.

AQUACULTURE TECHNOLOGY

PSO 1: Demonstrate the fundamental principles of Aquaculture, Biology, Ecology and Management of Aquaculture systems including Water Quality Management, Disease Prevention and Nutritional aspects.

PSO 2: Encompass the knowledge, technical skills of sustainable aquaculture practices and emphasizing the environmental responsibility and economically viable methods

PSO 3: Utilize modern technology and tools in aquaculture including Bio-informatics for monitoring and management, develop skills in Economic analysis of aquaculture, and understand National and International policies, regulations and standards governing aquaculture practices.

HOME SCIENCE

PSO1: Acquaint with wide spectrum of knowledge in health and nutrition

PSO2: Analyze and distinguish the underlying causes of different disease conditions by apply the scientific principles, knowledge and experience acquired in classroom applied in the real life situations in a comprehensive manner

PSO3: Design and implement various programmes for the wellbeing of the vulnerable sections with the aid of appropriate communication approaches

PSO4: Build capacities by imparting professional and entrepreneurial skills in the fields of textiles, dyeing, retailing, and value addition of food products to become self-reliant

PSO5: Demonstrate interest in engaging in active need based, innovative and community-oriented research using appropriate methods, collect and process data and present evidence-based solutions and defend arguments related to the field of research in clinical nutrition

FOOD TECHNOLOGY

PSO 1. Impart knowledge in various aspects of Food Technology through theory and practical knowledge.

PSO 2. Make the students familiar with food processing and preservation techniques along with packaging of plant, animal & dairy products and analyze the concepts of food safety and quality managements, food laws and regulations

PSO 3. Enable understanding and communication skills through various assignments and presentations. And gain knowledge about advanced technologies adapted in various food industries by physically visiting different food industries

ECONOMICS

PSO1: Demonstrate a comprehensive understanding of macroeconomic principles, including the determinants of national income, price levels, money supply, poverty, and unemployment, and apply this knowledge to assess economic conditions

PSO2: Analyze how consumers and producers make rational decisions given unlimited needs and scarce resources, applying microeconomic theories to real-world scenarios.

PSO3: Evaluate the trade-offs between economic growth and environmental sustainability, applying theories of economic growth and development to formulate strategies for sustainable development

HISTORY

PSO1: Demonstrate a comprehensive understanding of historical events, developments and movements within a specific time period or origin.

PSO2: Critically Analyse historical sources, narratives and interpretations, identifying biases and evaluating the reliability of information

PSO3: Encourage entrepreneurial thinking to identify opportunities for historical tourism development and create innovative tourism service

POLITICAL SCIENCE

PSO-1. Define and explain the fundamental concepts, theories, perspectives and ideological discourses in Political Science and diverse constitutions, philosophies and evaluate public policies or devise developmental policies.

PSO-2. Illustrate comprehensive knowledge on the Indian Constitution specifically rights and duties and critically analyse new legislations or be a part of governance, political parties or pressure groups, academicians or be a concerned citizen.

PSO-3. Understand and critically evaluate the concepts of e-governance and local administration to bring transparent and accountable. participatory government and propose new initiatives to empower citizens.

SOCIOLOGY

PSO1: Know the concept of unity in diversity of Indian society, to analyze rural, urban, tribal problems in India, apply the knowledge to understand the Indian society.

PSO2: Understand trends of social changes in modern India, learn the concept of human development programs and its indicators, discuss five year plans, achievements, failures and obstacles and Neeti Ayog.

PSO3: Formulate research questions, practice observation and conduct interviews, carry out small research project, to present their researched views in the form of a research report

PSYCHOLOGY

PSO1: Utilize potentialities in full extent and be familiar with psychological concepts of behaviour.

PSO2: Analyse the milestones in the development of Human being

PSO3: Understand the social aberrations and adopt themselves to the social scenario and utilise this knowledge to face various competitive examinations

PSO4: Develop life skills

B.COM (BANKING & FINANCE)

PSO-1: Integrate the knowledge and skills in accounting, taxation, Business laws, Banking, Insurance, Financial service analysis and Management.

PSO-2: Apply the knowledge and skills acquired to the field of Banking and Insurance, financial services industry.

PSO-3: Develop skills and abilities towards entrepreneurship in the fields of banking, insurance and financial services.

B.COM (ACCOUNTING & TAXATION)

PSO-1: Integrate the knowledge and skills in understanding the concepts, principles, practices and procedures of accounting and taxation.

PSO-2: Apply the knowledge and skills to interpret financial statements and tax related information and describe the impact of taxation on business decision making.

PSO-3: Evaluate the impact of taxation on the overall financial performance of a business and to create financial reports that compiled with accounting standards

PSO-4: Students will prove themselves as different professionals like cost accountant management accountant and tax practitioners.

B.COM (GENERAL)

PSO-1: Understand the concepts, principles and practices involved in undertaking business Ventures, develop financial, cost, auditing, entrepreneurial, marketing and managerial skills.

PSO-2: Gain expertise and exhibit professionalism in the fields of digital marketing, service marketing and understand the legal guidelines relating to the activities of business organization.

PSO-3: Do their higher education and can make research in the field of finance and Commerce. They can also turn into a manager, auditor, company secretary and stock market analyst.

B.COM (COMPUTER APPLICATIONS)

PSO-1: Develop subject skill within various disciplines of Commerce, business, accounting, economics, finance with the soft skills, tally, ERP and e-commerce.

PSO-2: Use the system for the business purposes and able to develop their own websites for their business.

PSO-3: Manage their own data bases and to maintain their accounts more efficiently with the help of packages like Tally etc.

PSO-4: Make the profession in banking, marketing and software industry with the help of skills and knowledge acquired.