

# GOVERNMENT DEGREE COLLEGE FOR WOMEN, GAJWEL

## Course Outcomes

### **B.A./ B.Com./ B.Sc.: ENGLISH**

#### **Semester I & II**

- Infusing passion for reading and writing
- Filling up the gaps in language abilities left due to formal education
- Creating thorough grounding in all four language abilities - reading, writing, listening and speaking
- Improving their skills in the areas of grammar and vocabulary
- Developing reading and writing skills
- Familiarizing the students with the culture of the region
- Providing value orientation through passages and anecdotes
- Enhancing knowledge of various aspects of language such as pronunciation, grammar, vocabulary, spelling, punctuation, conversation and writing
- Emphasizing the importance of extensive practice
- Addressing the English language needs of students
- Enhancing the critical thinking capabilities
- Emphasizing on the use rather than usage of English; on how the language is used rather than how it should be used
- Exposing the students to a range of real-life contexts where the English language is used
- Enabling the students to communicate information, opinions, ideas and feelings
- Integration of knowledge and skills
- Equipping the students to engage with the practical, emotional, intellectual and creative aspects of language

#### **Semester - III & IV**

- This semester focuses on drafting Note-Making, Letter Writing, Report-Writing, how to make various reports.
- Students learn vocabulary the spelling and pronunciation in British and American accent.
- Employability and Interview skill are stressed – Mock interview, group discussions session, seminars are conducted to prepare the students for future employment. The aim is to make the students fluent in English.

#### **Semester - V & VI**

- *English in Action* adheres to the Reorganized CBCS design of the three-year undergraduate curriculum implemented by Osmania University, Hyderabad beginning with the 2019-2020 academic year.
- It has been created by the Osmania University English department in accordance with the curriculum approved by the university's English Board of Studies.
- Beginning in the 2021-22 academic year, *English in Action* will be the required textbook for third-year General English courses at Osmania University. So, the book is tailored to meet the special requirements of senior-year students who are going to confront the English language in the real world.
- *English in Action* has a similar course structure to *English in Usage* (2nd Edition). Yet, the book contains an important new element. Two units, one in each of the fifth and sixth semesters, have been added to the curriculum to emphasise the importance of gender equality.
- The two thematic units feature works that capture the student's attention as much via their elegant use of language as through their thought-provoking content.
- The lessons also include a specific note to instructors to assist them with the appropriate theoretical and contextual background. Hence, the book as a whole and the two modules in particular aim to provide students with the required linguistic skills while recognising their capacity for critical thought.
- The exercises and pre- and post-reading tasks that accompany the main texts are intended to draw students into the book, compel them to read it with comprehension and insight, and urge them to think beyond the text.
- The selection of texts in this book, like all other selections, is ultimately subjective. Nonetheless, the decision was based on three basic criteria: the texts' readability, teachability, and testability.
- It is intended that students would find them engaging to read, instructors will find them useful for instruction in the classroom, and examiners will find them relevant for testing purposes.

## **B.A. /B.Com./B.Sc.: TELUGU**

### **Semester I and II**

- To inculcate respect to mother tongue in general and Telugu in specific among the students.
- To educate the students about Telangana history, culture, language and literature
- To inculcate human values, women empowerment and to improve imagination power among the students.
- To give a perfect outlook about classical, neoclassical, modern, post-modern trends in Telugu literature.
- To motivate to write poetry, stories, literary essays etc.
- To expose the students to the structural aspects, of the language through grammar

### **Semester III and IV**

- To enlighten the students about the writers of the Telangana region who have been neglected in the past.
- To inculcate moral values and spiritual outlook through literature.
- To expose the students to literature created for the upheaval of the suppressed classes, especially Dalits.
- To explain the glory of the Telangana by texts related to the heroes of Telangana, history of the region and cultural uniqueness of Telangana
- To educate the students about the ill effects of modern culture
- To inculcate passion for reading
- To introduce the beauty of prosody in the language in order to make them write poetry metrically

### **Semester V and VI**

- To develop interest towards many subjects
- To read Katha Shilpa Rahasya and practice writing.
- To learn about essay and strive to become essayists.
- To learn how to create Telugu literary processes and grow up as literate in the future.
- To get employment opportunities in print and electronic media

## **B.A. / B.Com./ B.Sc.: HINDI**

### **Semester I&Semester II**

- Develop Hindi reading & linguistic comprehension of students
- Understand the types of Hindi Short Story Writing
- Get introduced to the Minor genres such as Essay
- Use literature to develop their social and moral sense in life.

### **Semester III& Semester IV**

- Develop interest in literature story and poetry.
- Develop knowledge of literary forms Hindi poetry.
- Understand the basic forms of story and Poetry.
- Hindi literature which acquainted them to the correct usage language.
- Study the socio-cultural & political background of Adikal to Ritikal.
- Study the socio-cultural & political background from AdhunikKal.

### **Semester V and VI**

- Know the brief literature in same period.
- Know the various literary form in same period.
- Know the importance of language.

## **B. A. - ECONOMICS**

### **Semester I**

#### **Methodology of Social Sciences with special Reference to Economics**

- The course intends to familiarize the students with the broad contours of Social Sciences, specifically Economics and its methodologies, tools and analysis procedures.
- The course also aims to create an enthusiasm among students about different schools of
- Economic thought and various aspects of social science research, methodology, concepts, tools and various issues.
- To familiarize the students, Science-Different branches of science;
- To familiarize the students Evolution of a scientific approach Social Science;
- To disseminate the students Need for interdisciplinary approach;
- To publicize the students Objectivity and subjectivity in Social Science;
- To familiarize the students Limits to objectivity in social science;

### **Semester II**

#### **Core 2: Development and Environmental Economics**

- To enable the students to understand the theories and strategies of growth and development.
- To impart knowledge about the issues relating to sustainable development, Environment protection and pollution control measures.

### **Semester III**

#### **Core 3: Principles of Micro Economics**

- This Course is designed to provide basic understanding of micro economic concepts, behaviour of economic agent-consumer, producer, and factor owner –price fluctuations in the market.
- The module includes in this course deal with the concepts of consumer behaviour, production, market, factor pricing and welfare Economics.

## **Semester IV**

### **Core 4: Modern Banking**

- Banking has a long history in the world. It has undergone profound changes in recent years especially after the far-reaching banking sector reforms in India and elsewhere.
- The present course is designed to acquaint the students with the working of banks and to familiarize them with the basic principles and concepts which are often used in banking literature.

## **Semester V**

### **Core 6: Public Economics**

- The Purpose of this course is to give an perceptive about the role of state in Fostering the economic activities via budget and fiscal policies.
- This course enables the students to understand the various issues between central and State Government.

### **Core 7: Quantitative techniques for Economic Analysis**

- The objective of this course is to equip the students with primary statistical and mathematical tools for analyzing economic problems.

### **Core 8: Principles of Macro Economics**

- This course is designed to make the students aware of the theoretical aspects of Macro Economics.

### **Core 9: Indian Economy**

- The objectives of the course are to equip the students with the theoretical, Empirical and policy issues relating to the society, policy and economy of India.
- The course, in particular, has been prepared in the background of the globalization process and its diverse ramifications on the knowledge economy.

### **Core 10: Economics of Financial Markets**

- Financial institutions and markets play a significant role in all the modern economies of the world.
- The study of this area is significant especially after the financial sector reforms in most of the countries.

- The present course is designed to acquaint the students with the changing role of the financial sector of the economy.
- The stake holders are to familiarize with the concepts, the financial institutions and markets.

## **Semester VI**

### **Core 12: Macro Economic analysis**

- This course equips the students to understand systems facts and the latest theoretical developments in Macro Economics.

### **Core 13: Development Issues of the Indian economy**

- The objectives of the course are to equip the students with the theoretical, empirical and policy issues relating to the society, polity and economy of India.
- The course in particular, has been prepared on the background of the globalization process and its diverse ramifications on the knowledge economy.

### **Core 14: International Economics**

- The objectives of this course are to arrive at an understanding of theories of international trade and to examine the impact of the trade policies on the dynamic gains.

## **B.A. POLITICAL SCIENCE**

### **Semester I PAPER – I**

- To understand the political theory, evolution, nature and significance.
- To discuss contemporary debates in political theory.
- To make differentiate between the normative and empirical approaches.
- To discuss what is Political?
- What is state? Meaning, definitions
- To discuss the Origin of state theories, divine origin, social contract and historical and evolution.
- To discuss the importance of power and authority in politics.
- To discuss the authoritative allocation of values.
- To discuss sovereignty, features and various kinds of sovereignty.
- To discuss contemporary challenges to the state sovereignty.
- To discuss political values and theoretical perspectives.
- To discuss different views of liberty like liberal, Marxist and feminist.
- To discuss different views of equality like liberal, Marxist and feminist.
- To discuss different views of equality like liberal, Marxist and feminist.

- To discuss Political Ideologies like Liberalism, Nationalism and Multiculturalism
- To discuss Political Institutions and Functions
- To the organs of government Legislature, Executive and Judiciary
- To discuss the role of Political Parties, Pressure Groups, Media in politics

## **Semester II**

### **Paper – II Western Political Thought**

- To demonstrate knowledge of key thinkers and concepts
- To understand the nature, methods and significance of political thought.
- To analyse the theory of ancient & medieval political thought of Greek and India.
- To appreciate the ideas of them in context of classification of government, law and revolutions and slavery.
- To understand the relationship between religion and politics in early modern western political thought.
- To acquire knowledge about modern political thinkers and their view on state craft.
- To compare with the social contractalists thoughts of Hobbes, lock, and Rousseau and their view regarding state, government and general will.
- To appreciate the concept of liberty, representative government.,
- To analyse the Marxist philosophy in making a better society.
- To thoroughly compare the democratic revolution and creation of civil society.
- To appreciate the various social and political ideas of Indian political thinker
- To inculcate the spirit of ahimsa, satyagraha, through Gandhi ideology
- To criticize the causes for the theory of caste system in India and their impact

## **Semester III**

### **Paper – III Indian government and politics**

- To understand the philosophy of Indian constitutions.
- To identify the causes, impact of British colonial rule.
- To appreciate the various phases of Indian national movement.
- To create value in young youth regarding the patriotism.
- To understand the various Government of Indian acts their provision and reforms.
- To know the salient features in making of Indian constitution
- To appreciate the socio-economic political factors which lead to the freedom struggle.
- To understand the constitutional orderings and institutional arrangement.
- To appreciate the fundamental rights and duties and the directive principle of state policy.
- To evaluate the evolution, functioning and consequences of political parties in India.
- To identify how electoral rules and procedure in India effect election outcomes.

## **Semester IV**

### **Paper – IV INDIAN GOVERNMENT AND POLITICS**

- To discuss about Union Government
- To discuss about the President: Election; Powers and Functions.
- To discuss the Parliament: Composition; Powers and Functions.
- To discuss the Prime Minister and Council of Ministers.
- To discuss the Supreme Court: Composition; Powers and Functions Judicial Review; Judicial Activism.
- Critically evaluating the Indian Party system – its development and looking at the ideology of dominant national parties
- Evaluating the role of various forces on Indian politics: religion; language; caste; tribe; regionalism; business; working class and peasants
- Evaluating the Electoral Process in India with focus on the Election Commission: Composition, Functions and Role
- Investigating the New Social Movements since the 1970s: environmental movements, women's movement and human rights movement

## **Semester V**

### **Paper – V POLITICAL THOUGHT**

To demonstrate knowledge of key thinkers and concepts

- To understand the nature, methods and significance of political thought.
- To analyse the theory of ancient & medieval political thought of Greek and India.
- To appreciate the ideas of them in context of classification of government, law and revolutions and slavery.
- To understand the relationship between religion and politics in early modern western political thought.
- To acquire knowledge about modern political thinkers and their view on state craft.
- To compare with the social contractualists thoughts of Hobbes, lock, and Rousseau and their view regarding state, government and general will.
- To appreciate the concept of liberty, representative government.,
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- To thoroughly compare the democratic revolution and creation of civil society.
- To appreciate the various social and political ideas of Indian political thinker
- To inculcate the spirit of ahimsa, satyagraha, through Gandhi ideology
- To criticize the causes for the theory of caste system in India and their impact
- To discuss GWF Hegel- Dialectics and Theory of State &TH Green- Rights and PoliticalObligation.
- To discuss Marxist Philosophy
- To discuss Karl Marx: Dialectical and Historical Materialism.



- To discuss neo Marxist philosophy
- To discuss Mao Ze dong: On Contradictions, New Democratic Revolution. Antonio Gramsci: Hegemony and Civil Society.
- To discuss ancient Indian Political Thought of Buddha- Social and Political Ideas; Dhamma and Sangha. Basava - Social Ideas. Jyotirao Phule- Critique of Brahmanism, Social Revolution.
- To discuss Indian Nationalist Political Thought
- Mohandas Karamchand Gandhi - Ahimsa, Satyagraha. Jawaharlal Nehru – Democratic Socialism, Secularism. Dr. B.R. Ambedkar- Theory of Caste, Annihilation of Caste and State Socialism.

## **Semester VI**

### **Paper –VI International Relations**

- To understand the evolution, scope and significance of international relations and the rise of sovereign state system
- To analyze the history of international relations through the causes and phases of colonialism.
- To know the impact of first world war and second world war and its causes and consequences
- To criticize the various ideologies which lead to the destruction of world.
- To appreciate the post war developments through the emergence of third world.
- To understand the concept of power, national, regional, global and peace security
- To acquaint with the international organizations and their modules nations.
- To understand the international political economy.
- To analyse the international security Arms Race. Arms control and Disarmament.
- To understand the emerging area in international relations.
- To appreciate the foreign policy their determinants features & its relevance.
- To critically analyse the Indian's bilateral relations with major power and neighboring countries.
- To identify various issues and challenges towards international relations
- To learn about issues of diversity and internationalism
- Understanding the nature and developments in national and international politics
- Analyzing the Indian constitutional provisions, major legislations and reforms.
- Critical evaluation of social, economic and political variables for a proper understanding of the plurality of Indian society
- Building overall consciousness regarding national political history, international relations and present Indian and Western political thinkers.
- Encouraging a comprehensive, comparative understanding of specific world constitutions such as UK, USA, China, Russia, Switzerland and France.
- Developing knowledge of administrative studies with special reference to Indian administrative structures and practices.

- Examining India's foreign relations with her neighbours and great powers.
- Use of case study method for analysing the working of important international and regional organizations like UN, EU, ASEAN etc.

## **B.A. – HISTORY**

### **Semester I**

- Learn in details with examples Pallavas of Kanchi
- Learn in depth development of urban centres
- Learn the characteristics of Mauryan empire
- Understand in depth trade routes
- Understand in details with examples Art and architecture

### **Semester II**

- Understand the details of Rashtrakutas
- Write down the characteristics of Islamic intellectual traditions
- Identify the classification and characteristics of regional languages and literature
- Identify in depth Merchant guilds of south India

### **Semester III**

- Write down the characteristics of Persian and turkish tradition
- Understand in depth Sultanate political structure
- Learn in details with examples Bhakti movement
- Identify the details of Sufi cult
- Understand in details with examples Monetization

### **Semester IV**

- Understand in depth Baburs invasion
- Understand in depth of Mughal rule under Akbar
- Learn in details with examples Art and architecture of Mughal
- Learn in depth of Conquest of Bengal

### **Semester V**

- Learn the details of The French revolution
- Understand in depth Italian unification
- Understand in depth Napoleon -III
- Learn in depth the UNO
- Learn the classification and characteristics Soviet industrialization
- Learn in depth Formation of the USSR

## **Semester VI**

- To appreciate the significance of Historical Monuments
- To cherish the great Indian Heritage.
- To impart Skills in guideship
- To protect and preserve the historical sites and Monuments.

## **B.A. - PUBLIC ADMINISTRATION**

### **Semester I**

- To inform the students about the significance and scope of the discipline, i.e. Public Administration
- To enlighten the students about the broad spectrum of Organizational Theories.
- To educate the students about the role of human behavior in Public Services Delivery
- To create awareness on Social Justice

### **Semester II**

- To familiarize the students with Comparative Public Administration
- To impart knowledge about the dynamics of Development Administration
- To disseminate knowledge of Citizen-centric Administration
- To understand the linkages between citizen empowerment and Development Administration

### **Semester III**

- To familiarize with the Ancient Administration Systems
- To educate about the structure and processes of Union Administration
- To create awareness on the Federal Structure of Indian Administration
- To enable the students understand performance and problems of Public Enterprises
- To create awareness on the role of ICT in governance

### **Semester IV**

- To understand the idea of Public Services available in the state
- To educate on the recent trends in governance
- To familiarize the students with the administrative structure of the state government
- To create awareness on Decentralized Governance
- To impart knowledge of Welfare Administration

### **Semester V**

- To create awareness on the management of resources
- To understand the various aspects of Human Resource Management
- To enable the students understand the Evolution of Local Government in India

- To create awareness on people's participation in development programmes
- To help the student understand Rural Local Governance in India

### **Semester VI**

- To familiarize the students with the Financial Administration in India
- To create awareness on Budget Preparation and Enactment in India
- To familiarize the students with the organization and functions of the Ministry of Finance in India
- To enable the students understand the Urban Governance in India
- To familiarize the concept of Community Participation in Urban Administration

## **B.Com. - Commerce**

### **Semester-I**

#### **FUNDAMENTALS OF INFORMATION TECHNOLOGY: { FIT }**

- To acquire knowledge in information technology and its applications in the area of business.
- Companies rely on IT for fast communication, data processing and market intelligence.
- It plays an integral role in every industry, helping companies improve business processes , achieve and maintain a competitive advantage in the market place.

### **Semester-II**

#### **MANAGEMENT INFORMATION SYSTEM: {MIS}**

- To equip the students with finer nuances of MIS
- The main goals of an MIS are to help executions of an organization make decisions that advance the organization strategy and to implement the organizational structure and dynamics of the enterprise for the purpose of managing the organization in a better way for a competitive advantage.

### **Semester-III**

#### **PRINCIPLES OF INSURANCE {POI}**

- To provide a basic understanding of the insurance mechanism.
- To identify the relationship between and their customers and the importance of insurance contract.
- To give an overview of major life insurance and general insurance products.

### **Semester-IV**

#### **PRACTICE OF LIFE INSURANCE {POLI}**

- To make the students understand life insurance market in India.
- To discuss the issues related to risk management in view of life insurance.
- The objective of insurance is to financially guard against unpredictable life occurrences.
- In short when you buy an insurance policy you make monthly payments, called premium to things like accident, illness or even death.

### **Semester-V**

#### **PRACTICE OF GENERAL INSURANCE: {POGI}**

- To carry on the general insurance business other than life, such as accident life ect...
- To aid and achieve the subsidiaries to conduct the insurance business.
- To help the conduct of investment strategies of the subsidiaries in an efficient and production manner.

#### **COMPUTERIZED ACCOUNTING**

- To make the students to acquire the knowledge of computer software.
- It ensures efficient performance in accounting records.
- Greater accuracy computerised Accounting make sure accuracy in accounting records and statements.
- It prevents clerical errors and omissions in records.
- Relieve monotony: Computerised accounting reduces the monotony of doing repetitive Accounting jobs.

### **Semester-VI**

#### **FINANCIAL STATEMENT ANALYSIS: {FSA}**

- To acquire knowledge and techniques of financial statements analysis.
- The primary objective of FSA is to understand and diagnose the information contained in financial statement with a view to judge the profitability and financial soundness of the firm, and to make forecast about future prospects of the firm.

#### **COMMERCE LAB**

- To become familiar with various business documents and acquire practical knowledge , which improve over all skill & Talent.

#### **ACCOUNTING STANDARDS {AS}:**

- To make the students acquire the knowledge of previous and application of Indian Accounting standards.
- To provide a standard for the diverse accounting policies and principles.
- To put an end to the non- comparability of financial statements.
- To provide standards which are transparent for others.

## **REGULATIONS OF INSURANCE BUSINESS {ROIB}**

- To equip students with the knowledge regarding insurance business regulations.

## **FINANCIAL ACCOUNTING**

- To acquire conceptual knowledge of basics of accounting and preparation of final accounts of sole trader
- the process by which an organization's revenue, receivables, and expenses are collected, measured, recorded and finally reported
- Across financial accounting, companies have two basic ways they can structure their business's accounting

## **BUSINESS ORGANISATION AND MANAGEMENT**

- To acquaint the students with the basics of Commerce and Business concepts and functions, forms of Business Organization and functions of Management
- The organisational objectives of management refer to the main objectives required to fulfill the economic goals of any business organisation
- Every organisation is a part of the society. Thus it has certain social obligations to fulfill.

## **FINANCIAL ACCOUNTING-II**

- To acquire accounting knowledge of bills of exchange and other business accounting methods
- The American Institute of Certified Public Accountants (AICPA) is an industry leading organization in the area of financial accounting.
- In the United States, financial reporting standards are set forth by the FASB and required under GAAP for publicly traded companies.

## **BUSINESS LAWS**

- To understand basics of contract act, sales of goods act, IPRs and legal provisions applicable for establishment, management and winding up of companies in India.
- Establishing standards identifies what types of behavior are and are not accepted in society. For example, damage to person or property is considered a crime because it is not tolerated by society
- Businesses large and small must comply with the same legal regulations. Often, this involves the expertise of a specialist who can help entrepreneurs succeed in an area such as law or finance.

## **PRINCIPLES OF INSURANCE**

- To make students to learn the Principles of Insurance
- insurance companies have an objective of using a process called underwriting to examine every insurance applicant

- Many types of insurance have qualifiers that affect eligibility and premiums.
- Some types of health insurance are provided to employees as a benefit of employment, and other forms of insurance are available at reduced rates for people in certain income or age ranges. Health insurance typically covers some, but not necessarily all

### **ADVANCED ACCOUNTING**

- To acquire accounting knowledge of partnership firms and joint stock companies
- Objectives of accounting in any business are; systematically record transactions, sort and analyzing them, prepare financial statements, assessing the financial position, and aid in decision making with financial data and information about the business
- The primary object of accounting is to identify the financial transactions and to record these systematically in the books of accounts
- Every business concern is interested to know its operating results at the end of a particular period.

### **BUSINESS STATISTICS –I**

- to inculcate analytical and computational ability among the students.
- Demonstrate knowledge of probability and the standard statistical distributions.
- Demonstrate knowledge of fixed-sample and large-sample statistical properties of point and interval estimators
- Demonstrate understanding of how to design experiments and surveys for efficiency.

### **REGULATION OF INSURANCE BUSINESS**

- To equip the students with the knowledge regarding Insurance Business Regulations
- In some previous papers [2] and [3] it has been pointed out that the objectives pursued by an insurance company can be formulated so that they consist of maximizing a mathematical function
- The function to be maximized is usually referred to as the utility function, a name which has an old standing in economic theory

### **INCOME TAX**

- To acquire conceptual and legal knowledge about Income Tax provisions relating to computation of Income from different heads with reference to an individual assessee.
- The primary purpose of taxation is to raise revenue to meet huge public expenditure
- One of the important objectives of taxation is economic development. Economic development of any country is largely conditioned by the growth of capital formation
- Second objective is the full employment. Since the level of employment depends on effective demand, a country desirous of achieving the goal of full employment must cut down the rate of taxes

## **BUSINESS STATISTICS – II**

- To inculcate analytical and computational ability among the students.
- Enable students for using the computer program MS Excel, apply basic statistical techniques and methods for grouping, tabular and graphical display, analysis and interpretation of statistical data.
- explain basic statistical concepts such as statistical collection, species characteristics, statistical series, tabular and graphical representation of data, measures of central tendency, dispersion and asymmetry, correlation and regression analysis, time series analysis
- independently calculate basic statistical parameters (mean, measures of dispersion, correlation coefficient, indexes)

## **BUSINESS ECONOMICS**

- To acquire knowledge for application of economic principles and tools in business practices.
- The Objectives of Business are its driving force. These are the factors that keep the business running. Let's learn further what the Objectives of Business are and how they are classified.
- Objectives are needed in every area where performance and results directly affect the survival and prosperity of a business.
- Business is a set of activities undertaken with the prospect of sale for the purpose of earning a profit. Profit is the extra income over the expenses.

## **COST ACCOUNTING**

- To make the students acquire the knowledge of cost accounting methods
- To the classifying, recording and appropriate allocation of expenditure for the purpose of determining the costs of products or services
- To determine the methods by which expenditure on materials, wages and overhead are recorded, classified and allocated.

## **BANKING THEORY AND PRACTICE**

- to acquire knowledge of working of Indian Banking system
- Students will get exposure for banking operations Students will be exposed to various dimensions of day to day operations. Students will have practical applications of banking aspects in real life situations
- Banking Sector Reforms: Liberalization of banking sector, Narsimham Committee-1<sup>st</sup> and 2nd generation reforms, Capital adequacy: introduction, Basel II norms (new capital adequacy frame work)

## **THEORY AND PRACTICE OF GST**

- To equip the students with the knowledge regarding Theory and Practice of GST



- The Goods and Services Tax which is being implemented from 1st July, 2017 is proposed to be a unified tax for the entire nation
- Ensuring that the cascading effect of tax on tax will be eliminated
- Improving the competitiveness of the original goods and services, thereby improving the GDP rate too
- Making a unified law involving all the tax bases, laws and administration procedures across the country

## **COMPANY LAW**

- to understand legal provisions applicable for establishment, management and winding up of companies in India as per Companies Act 2013.
- In view of the important developments that have taken place in the corporate sector, the course is designed to understand the formation, management and other activities of the companies.
- This course aims to impart the students, the corporate management, control, possible abuses, the remedies and government regulation of corporate business and winding up of companies.

## **MANAGERIAL ACCOUNTING**

- to acquire Managerial Accounting decision-making techniques and reporting methods.
- Management accounting also is known as managerial accounting and can be defined as a process of providing financial information and resources to the managers in decision making.
- Financial accounting is the recording and presentation of information for the benefit of the various stakeholders of an organization

## **AUDITING**

- to understand meaning and elements of auditing and gain knowledge for execution of audit.
- The objective of an audit is to express an opinion on financial statements
- To give the opinion about the financial statements, the auditor examines the financial statements to satisfy himself about the truth and fairness of the financial position and operating results of the enterprise

## **FINANCIAL INSTITUTIONS AND MARKETS**

- To familiarize with various Financial Institutions and Markets
- Financial institutions, such as banks, credit unions, stockbrokers, finance and insurance companies, often have a business plan with a set list of goals and objectives
- Many financial institutions manage people's personal money. Since fees, investments, insurance and other services may cost the customer money, a financial institution may

have an objective to provide services and savings plans that will save the customer money

## **ADVANCED CORPORATE ACCOUNTING**

- to gain knowledge of AS-19 & 21 and format accounts
- Objectives of this note is to provide theoretical knowledge of International Financial Reporting Standards and to enable the students to gain ability to solve problems relating to Holding Company Accounts, Liquidation of Companies and various other Accounts

## **B.Sc. – Bio-Technology:**

### **Semester-I Cell Biology and Genetics**

- To understand the basic unit of the organism.
- To differentiate the organisms by its cell structure.
- To know Components of the Cell and their division.
- To explain the arrangement of Genes and their interaction.
- To describe the influence of the environment on gene expression.
- To understand extra nuclear inheritance, linkage & crossing over

### **Semester-II Biochemistry and Microbiology**

- To develop strong theoretical and practical background in fundamental concepts.
- To get insights of multiple important technical areas of Biochemistry.
- To apply contextual knowledge and modern tools of biochemical research for solving problems.
- To give students a generalized idea about microbiology its basic aspects
- Course will provide practical knowledge about different types of bacteria, virus and fungi found in environment
- principles and applications of various types of Microscopy
- Students would know about the contribution of microbiologists, the principle and application of various types of microscopic techniques, and different staining protocols
- Study the morphology of bacteria and detailed account of bacterial cell structure
- Classify microorganisms through Bergey's manual and apply basic knowledge of nutrients required by different microorganisms for their growth
- Students would be able to understand characteristics of viruses, classification and life cycles of viruses
- Description of the structure and Classification, staining, culturing, physiology, of microorganisms

### **Semester-III**

## **MOLECULAR BIOLOGY & RECOMBINANT DNA TECHNOLOGY**

- Learning structural levels of nucleic acids- DNA and RNA and genome organization in prokaryotes and eukaryotes.
- Understanding the concept of Gene and the gene architecture.
- Overview of the central dogma of life and various molecular events
- Overview of the central dogma of life and various molecular events
- Understanding the principles and applications of Polymerase Chain Reaction(PCR).
- Molecular Events of Transcription and processing of transcripts, RNA editing.
- Described the knowledge of recombinant DNA technology
- Understood the tools of gene manipulation and gene transfer
- Knowledge of construction and labeling of molecular probe, construction of genomic library and protein engineering.
- Understood the techniques of recombinant DNA technology and its applications
- Come to know about the techniques and applications of human genome projects
- Molecular Events of Translation leading to protein synthesis and Post translational modification.
- Understanding the regulation of gene expression in prokaryotes using operon concept and Eukaryotes.
- Learn the methods of DNA sequencing and various tools and techniques of molecular biology

#### **Semester-IV Bioinformatics and Biostatistics**

- Bioinformatics is the science of storing, extracting, organizing, analyzing, interpreting and using information.
- The approaches to the discipline of bioinformatics incorporate expertise from the biological sciences, computer science and mathematics.
- The major in bioinformatics is designed for students interested in molecular biology and genetics, information technologies and computer science.
- Bioinformaticists are involved in the analysis of the human genome, identification of targets for drug discovery, development of new algorithms and analysis methods, the study of structural and functional relationships, and molecular evolution.
- Store and Retrieve drug related information using online tools
- Comprehend the utility of tools & databases available in genomic & proteomics
- Understand simple calculations
- Statistics helps to analyze data, interpret, and present information
- Publishing research data
- Calculate; analyze and compare observed data; perform simple sums in proportions and algebraic functions

#### **Semester-V Plant Biotechnology**

- Learning important milestones in the plant tissue culture.
- Understanding the concepts and principles of Plant tissue culture.
- Learning the techniques of sterilization and monitoring methods of sterilization.

- Learning different pathways of plant regeneration under in vitro conditions - organogenesis and somatic embryogenesis.
- Techniques of establishing cell suspension culture. Synthetic seeds and applications.
- Understanding the techniques of virus elimination – methods of virus indexing. Meristem and Shoot tip culture and Applications.
- Performing procedures for Micropropagation techniques in rose and banana.
- Culturing of reproductive structures - anther, microspores, embryos, endosperm, Ovule and ovary cultures and methods to produce haploids.
- Protoplast isolation, culture and protoplast fusion - applications -. Somaclonal variation -applications.
- Learning methods to conserve germplasm under In vitro. Production of Secondary metabolites production through cell culture.

### **Semester-VI Animal Biotechnology**

- Outline the history and structure of animal cell
- To illustrate the techniques, procedure and growth patterns of animal cell culture.
- To describe in vitro applications of animal cell culture
- To distinguish the structure of gametes and its application in animal cell culture.
- To use the assisted reproductive technology practiced in livestock and its applications
- To construct the techniques in production of cloned animals and its applications.
- To predict the ethical, social and moral issues related to cloning
- To Construct techniques involved in transgenic animal technology and its applications
- To apply the applications of Gene therapy for the treatment of various diseases.

## **B.Sc. – CHEMISTRY**

### **SEMESTER I & II**

- To impart the knowledge about the basics in inorganic, organic, physical & general chemistry.
- Practical lab exposure to inorganic qualitative analysis.

### **SEMESTER III**

- To acquire the knowledge of symmetry, point groups, reaction mechanisms, surface chemistry, nanomaterials, phase rule, stereochemistry of carbon compounds & practical lab exposure to quantitative analysis.
- In addition to this, students acquire knowledge of skill enhancement course of safety rules in chemistry laboratory and lab reagents.
- To familiarize the student to know the basic precautions and safety measures in lab & to prepare standard and different concentration solutions, common reagents that are used regularly in lab.

## **SEMESTER IV**

- To impart knowledge about the Coordination chemistry, organometallic chemistry, Organic named reactions, Electrochemistry, synthetic strategies, pericyclic reactions, asymmetric synthesis. Practical lab exposure to titrations, potentiometric titrations.

## **SEMESTER V**

- To acquire the knowledge of clusters, heterocyclic compounds, chemical kinetics, molecular spectroscopy, photochemistry, solvent extractions, chromatography & electroanalytical methods.
- Practical lab exposure of synthesis of organic compounds and TLC Preparations, Colorimetry, distribution laws.

## **SEMESTER VI**

- To acquire the knowledge of Inorganic reaction mechanism, HSAB, carbohydrates, proteins, Thermodynamics, proton NMR, Mass spectrometry, Enzymes, receptors, Drug Action, Drug synthesis, molecular messengers.
- Practical lab exposure to Qualitative and spectral analysis of organic compounds.
- In addition to this, skill enhancement course of chemistry of cosmetics and food processing-which will acquire the knowledge of preparation of cosmetics, perfumes & food Adulterants.

## **B.Sc. BOTANY**

### **SEMESTER –I BACTERIA**

- Bacteria structure uses, Archyacteria Actinomycetes and mycoplasma papaya leaf curl, virus structure, TMV and rice tungro Cynobacterio cillatorianostoc and anabenavolvox, oedogoniumchara, ectocurpus polysiphonia albugomucar pencillium puccinia mushrooms...

### **Semester –II BRYOPHYTES**

- Structure, Reproduction marchantiaanthocerospolitrichumrhynialycopodiumeqistiummarseliapinusgnetum fossils bennitales...

### **SEMESTER-III TAXONOMY**

- Classification Bentham and hooker, engler and prantle ICBN annonacearutaceafabaceacucurbetaceapeaceaaasteracealamiaceamarathacea poaches ayurvedha siddaunani homeopathy ayush pippalluociumum turmeric ashwagandha amlapharmacognosy...

## **SEMESTER-IV EMBRYOLOGY**

- Meristem tissues leaf stomata achyranthusboerhavia bignonia dracina betavalgaries teak rosewood red sandal neem ovules pollination endosperms palynology...

## **SEMESTER-V CELLBIOLOGY**

- Plant cell DNA RNA chromosomes heterochromatin karyo type lamp brush plasmids cell division mitosis meiosis linkage genetic maps M-DNA eucaryotes and prochareyoteslacoperan gene expression ecosystem energy flow food chain food web biogeochemical cycle hydrosphere conservation succession biodiversity IUCN red data book WWF and NBPGR ...

## **SEMESTER-VI PLANT PHYSIOLOGY**

- Water relations diffusion osmotic transport of water transpiration stomatal structure mineral nutrition stress physiology enzymes photosynthesis Emerson effect C3 cycle C4 cycle CAM cycle glycolysis krebs cycle lipids cytokines Tissue culture biotechnology somaclonal variations scope of application enzymes genecloning DNA technology...

## **B.Sc. - ZOOLOGY**

### **SEM - I**

- At the end of the semester, students learn the diseases caused by various Helmenthes parasites, the digestive and blood circulatory system of annelids and arthropods. The benefits and uses of sea animals are taught.

### **SEM – II**

- The importance of food chain, and animal association, communities, bio-geo chemical cycle, life process, pollution its types and control mechanism are introduced. Wild life sanctuaries and National parks, their conservation are included.

### **SEM – III**

- Respiratory, blood circulatory, Digestive and NERVOUS Systems of non-chordates are studied in comparison to mammals flight adaptation and migration of birds, embryology are studied.

### **SEM – IV**

- Cell bodies, structure of DNA and RNA, Mendel's laws Darwinism and Neo Darwinism Atmosphere are emphasized.

## **SEM – V**

- The whole structure composition of Rabbit in relation with human body is studied excretory system (kidney) muscles and nervous system of human body along with various hormones, their function are given the uses and importance of nutrient's like lipids, proteins carbohydrates are laid emphasis.

## **SEM – VI**

- Pisciculture, Apiculture, Sericulture and poultry are included in the syllabus emphasizing their growth and importance as well as their commercial use.

## **SEC – Environmental Science:-**

To bring an awareness among the students about the earthquake, as layers of atmosphere, solar system various chemical cycles, pollution and its types, biodiversity, global warming water and earth and desert eco system.

## **GE - FOOD AND NUTRITION :-**

To help the students in building a sound body as sound mind lies in a sound body, by teaching them the importance of various vitamins, minerals, proteins, carbohydrates, and having a balanced diet.

## **B.Sc. - MICROBIOLOGY**

### **Semester-I**

- To know the basic foundations laid down by the scientist and their discoveries
- To know the basic principles, branches of Microbiology and their applications in different fields
- Handling Microscopes and their principles to observe the Microorganism
- To familiarize with the basic knowledge about the bacteria, viruses and fungi
- To learn about taxonomic strategies and their development along with emerging technologies
- To learn the methods of preservation and pure culture techniques

### **Semester- II**

- To learn about the basic metabolisms and pathways present in the microorganisms
- Providing the learning chances to acquire knowledge about microbial growth calculations and their habitation
- To equip the students foundations of biochemical techniques used in the routine laboratory techniques
- To describe the concepts of enzymes, properties and application in the field of industrial and medicine.

- Specifying the importance of biomolecules

### **Semester- III**

- Learn about how the microorganism are up taking of the nutrients
- To acquire the knowledge of the types of microorganisms and their role in the environment
- To discuss about diversity of microorganism and microbial communities inhabiting a multitude of habitats and occupying a wide range of ecological habitats.
- To absorb to the knowledge about the metabolic pathways of the microorganisms and their significance in detail
- To know about the photosynthesis in microorganisms

### **Semester -IV**

- To understand the basic foundation concepts of DNA structure and its history for discovery
- To discuss the various applications of crossing over, central dogma.
- To learn about the types of mutations and its impact on the health
- Enable to understand the basic concepts of recombinant DNA technology and regulation of gene function.
- To know about outcomes and advantages of the recombinant DNA technology for the human welfare and novel strategies for cure disease

### **Semester V**

- Competently explain various aspects of environmental microbiology and microbial ecology and to become familiar with current research in environmental microbiology.
- To learn and understand biogeochemical cycles – Carbon, Nitrogen, Phosphorus cycles etc. and microbes involved and their vital role in environment.
- Understand various plant microbes interactions especially rhizosphere, phyllosphere and mycorrhizae and their applications especially the biofertilizers and their production techniques
- To obtain basic understanding of principles of environment microbiology its applications in encounter environmental problems like waste water treatment and bioremediation
- Know the Microorganisms responsible for water pollution especially Water-borne pathogenic microorganisms and their transmission.
- To describe and comprehend the various methods to determine the Sanitary quality of water and sewage treatment methods used in waste water treatment.
- Learning and understanding the concepts of immunology.
- To understanding the antigen and antibody reaction and application in the detection of diseases
- Conceptualizing the hypersensitivity and autoimmunity, monoclonal antibodies etc to observe their causes and treatment.



- Microorganisms role in the crop productivity

## **Semester VI**

- Identify microorganisms of relevance to healthcare and the pharmaceutical industry and their sources.
- Discuss Microbial contamination/product spoilage and antimicrobial preservation of food products
- Production of fermented food products via microorganisms
- Recognize the biochemical and genetic basis for antibiotic resistance and ways of controlling spread of antibiotic resistance.
- Demonstrate a knowledge and understanding of microbiological assays of growth promoting and growth inhibiting substances
- To learn the diagnostic microbiology techniques like sample collection, procedures and detection methods and prophylaxis measures
- To inculcate the knowledge about the different types of diseases, transmission, disease cycle, pathogenesis, prophylaxis measures.
- To learn the vaccines and their role in prevention of diseases and recent technologies in the development in the vaccines preparation.

## **B.Sc. PHYSICS:**

### **Semester-I: Mechanics and Oscillations**

A student who studies this course

- Recalls the mechanics principles, Physical quantities, their representation and relations among them
- Identifies the principle of mechanics
- Solves the problems relating to mechanics
- Applies the principles in different fields like rockets
- Learns the principles experiments related to wave nature of light
- Tests the learned principles in their daily life

### **Semester-II: Thermal physics:**

A student who studies this course

- Explains thermo dynamical variables and potentials
- Specifies principles, experiments related to thermo dynamics
- Uses the learned principles in their daily life

### **Semester-III: Electro magnetism**

A student who studies this course

- Explains the principles and formulae in electricity Magnetism and electromagnetic
- Solves the problems related to above topics
- Tests learned principles and formulae in their daily life
- Explains the principles and formulae in electricity Magnetism and electromagnetic
- Solves the problems related to above topics
- Tests learned principles and formulae in their daily life

#### **Semester-IV: Wave Optics**

A student who studies this course

- Explains the Optics variables and potentials
- Learns the principles experiments related to wave nature of light
- Tests the learned principles in their daily life

#### **Semester-V: Modern Physics**

A student who studies this course

- Designs Raman experiments, Explains de Broglie Hypothesis and other Modern developments in Physics
- Summarizes different theories and developments in modern physics like Raman effect, Uncertainty principle

#### **Semester-VI: Electronics**

A student who studies this course

- Identifies different number systems, logic gates
- Designs different combinations of logic gates and their outcomes
- Develops electronic circuits by their own

### **B.Sc. MATHEMATICS:**

#### **Semester I:**

Student will able to find successive Differentiation, find Maxima and Minima of function of two variables. find circle, radius and centre of curvature, Asymptotes, Evolutes, Envelopes.

#### **Semester II:**

Student will able to extract the solution of Differential Equations of the variable separable, Homogeneous and non homogeneous methods. compute all the solutions of second and higher order linear differential equations with constant coefficient. Form Partial D.E. Find the solution of first order partial D.E's for some standard types.

### **Semester III:**

Students will be able to define different types of Sequences, Discuss the behavior of the geometric sequence. Prove Properties of convergent and divergent sequences. verify the given sequence is convergent and divergent by using monotonic sequences. Explain subsequences and upper and lower limits of a sequence.

### **Semester IV:**

Students will be able to define Group, sub group, centre, normalize of a group. Find cycles and transpositions of a given permutations. Prove Lagrange's theorem, Define cyclic groups, define normal sub groups, quotient groups, and index of the group. Define homomorphism, kernel of a homomorphism, isomorphism, define rings, zero divisors of a ring, integral domain.

### **Semester V:**

Students will be able to define vector space, quotient space, direct sum, linear span and linear independence, basis, inner product. Discuss the linear transformation, rank, nullity. Solve the system of simultaneous linear equations. Describe the various forms of equation of a plane, straight line, sphere, cone and cylinder. compute the angle between planes, perpendicular distance from a point to a plane

### **Semester VI:**

Students will be able to find and interpret the gradient, curl, divergence for a function at a given point. interpret line, surface and volume integrals. Define basic concepts, find the difference of polynomial. solve problems using Newton forward, backward formulas. Derive Simpson's 1/3, 3/8 rules using Trapezoidal rule.

## **B.Sc. Computer Science:**

### **SEMESTER-I PROGRAMMING IN C**

CO1: Read, understand and trace the execution of programs written in C language.

CO2: Write the C code for a given algorithm.

CO3: Implement Programs with pointers and arrays, perform pointer arithmetic, and use the pre-processor.

CO4: Write programs that perform operations using derived data types.

### **SEMESTER-II -PROGRAMMING IN C++**

CO1: Understanding the principles of data abstraction, inheritance and polymorphism

CO2: Apply the principles of virtual functions and polymorphism.

CO3: Analyzing the handling formatted I/O and unformatted.

CO4: Evaluate the I/O Introduces exception handling

### **SEMESTER-III DATA STRUCTURES USING C++**

CO1: To evaluate and analyze the complexity of given algorithms to apply for Problem solving things like sorting, searching.

CO2: To define basic static and dynamic data structures and relevant standard algorithms for stacks and queues

CO3: To implement operations like insertion, deletion, traversing mechanism on linear and non- linear data structures like lists and trees.

CO4: To design and select appropriate data structures and algorithms for applications to solve specific problem definitions.

### **SEMESTER-IV DATABASE MANAGEMENT SYSTEMS**

CO : Explains the basic concepts of relational data model, entity-relationship model, relational database design, relational algebra and SQL.

CO2: Explain various data models and database system architectures.

CO3: Design ER-models to represent simple database application scenarios

CO4: Convert the ER-model to relational tables, populate relational database and formulate SQL queries on data.

CO5: Write queries to access database using SQL.

CO6: Design a database using normalization theory and explain the concepts of transaction processing

### **SEMESTER-V PROGRAMMING IN JAVA**

CO 1 : Use the syntax and semantics of java programming language and basic concepts of OOPS.

CO 2: Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.

CO 3: Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes.

CO 4: Design event driven GUI and web related applications which mimic the real word scenarios.

### **SEMESTER-VI WEB TECHNOLOGIES**

1) Students are able to develop a Static and dynamic webpage.

2) Form data sent from client, process it and store it on database data sent from client and store it on database.

3) Creating Java Script Programs

4) Explain the Events and Event handlers

5) Creating XML Document

## **B.Com. COMPUTER APPLICATIONS**

### **SEMESTER – I Fundamentals of Information Systems**

1) Block Diagram Of a computer, Generations of Computer, Classification Of Computers, Applications of Computer, Capabilities and limitations of computer.

2) explains computers and data processing

3) defines input and output units computers

4) Knows the terms of motherboard, CPU, RAM, ROM, BIOS, CMOS and can express with their own words.

5) Identifies and explain computer hardware Defines hardware and software concepts

6) Expresses memories hardware will be to able express basic computer hardware

7) Operating System definition and types of Operating System.

8) Describes the communication units of computers.

### **SEMESTER – II PROGRAMMING WITH C & C++**

1) Demonstrate an understanding of computer programming language concepts. To be able to develop C programs on Linux platform.

2) Ability to design and develop Computer programs, analyzes, and interprets the concept of pointers, declarations, initialization, operations on pointers and their usage.

3) Able to define data types and use them in simple data processing applications also he/she must be able to use the concept of array of structures.

4) Student must be able to define union and enumeration user defined data types. Develop confidence for self education and ability for life-long learning needed for Computer language.

5) To understand how C++ improves C with object-oriented features.

6) To learn the syntax and semantics of the C++ programming language.

7) To learn how to design C++ classes for code reuse.

- 8) To understand the concept of data abstraction and encapsulation.
- 9) To learn how containment and inheritance promote code reuse in C++.

### **SEMESTER – III RELATIONAL DATABASE MANAGEMENT SYSTEM**

1. Explain the basic concepts of relational data model, entity-relationship model, relational database design, relational algebra and SQL.
2. Design ER-models to represent simple database application scenarios
3. Convert the ER-model to relational tables, populate relational database and formulate SQL queries on data.
4. Improve the database design by normalization.
5. Familiar with basic database storage structures and access techniques: file and page organizations, indexing methods including B tree, and hashing.
6. Need for Distributed Database Systems, Structure of Distributed Database, Advantages and Disadvantages of DDBMS, Advantages of Data Distribution, Disadvantages of Data Distribution, Data Replication, Data Fragmentation and Client Server Databases.

### **SEMESTER – IV WEB TECHNOLOGIES**

- 1) Students are able to develop a Static and dynamic webpage.
- 2) Form data sent from client, process it and store it on database data sent from client and store it on database.
- 3) Creating Java Script Programs
- 4) Explain the Events and Event handlers
- 5) Creating XML Document

### **SEMESTER – V Excel Foundation**

- 1) Examine spreadsheet concepts and explore the Microsoft Office Excel environment.
- 2) Create, open and view a workbook.
- 3) Save and print workbooks.
- 4) Enter and edit data.
- 5) Modify a worksheet and workbook.
- 6) Work with cell references.
- 7) Learn to use functions and formulas.

- 8) Create and edit charts and graphics.
- 9) Filter and sort table data.
- 10) Work with pivot tables and charts.
- 11) Import and export data.
- 12) Tables And Formatting
- 13) Excel Files & Templates
- 14) Printing the Work

### **Web-Technologies**

- 1) Students are able to develop a Static and dynamic webpage.
- 2) Form data sent from client, process it and store it on database data sent from client and store it on database.
- 3) Creating Java Script Programs
- 4) Explain the Events and Event handlers
- 5) Creating XML Document

### **SEMESTER – VI E-COMMERCE**

- 1) Analyze the impact of E-commerce on business models and strategy.
- 2) Describe the major types of E-commerce.
- 3) Explain the process that should be followed in building an E-commerce presence.
- 4) Identify the key security threats in the E-commerce environment.
- 5) Describe how procurement and supply chains relate to B2B E-commerce.
- 6) Consumer Oriented E-Commerce Applications
- 7) Electric Data Interchange
- 8) E-Marketing techniques.

### **SEMESTER – VI BUSINESS ANALYTICS PROGRAMMING**

- 1) Students to know the MySQL Installer, Download sample Database, Loading Sample Database, Structured Query Language, Data types.
- 2) Creating the tables, Joins, Constraints and Sub Queries.

3) Students learn the SAS, Installation of SAS university Edition, SAS architecture, Data Types, formats and informats, libraries, Importing external data, Reading and manipulating Data, functions, Data Transformations.

4) Installation of Anaconda Navigator, Data types – string, tuples, set, lists, dictionary, Arrays.

5) Installation of R studio, Vectors, Matrices, Data types, Importing files, Writing files, Merging Files, Data Manipulation and Data Cleaning, Functions.

## **GOVERNMENT DEGREE COLLEGE FOR WOMEN, GAJWEL**

### **Program Outcomes**

#### **B.Sc. PROGRAMME OUTCOMES**

The students will be able to do the following after successfully completing Graduate programme:

##### PO 1 Domain Expertise:

Gain thorough knowledge in the chosen domain and be able to apply it wherever necessary in an innovative manner.

##### PO 2 Modern equipment Usage

Equip students with modern technological skills, so that they are able to use software applications in their careers.

##### PO 3 Computing Skills and Ethics

Students learn critical thinking and are able to analyse and solve problems rationally and ethically for communication, entertainment and for the benefit of mankind throughout ones endeavours for the well being of humanrace.

##### PO 4 Complex problem Investigation & Solving

Learn to analyze the problem, frame hypotheses, interpret empirical data and execute action

##### PO 5 Perform effectively as Individuals and in Teams

Be able to contribute at individual level and as team member and prioritize institutional interest over individual

##### PO 6 Efficient Communication & Life Skills

Learn efficient communication to express, listen, understand and project views in a convincing manner clearly and concisely



### PO 7 Environmental Sustainability

Understand current environmental challenges faced by the country & propagate and follow environment friendly practices.

### PO 8 Societal contribution

Develop the pride in volunteering to address societal issues viz: calamities, disasters, poverty, epidemics and involve voluntarily in social development activities at Regional , National, global levels.

### PO 9 Effective Project Management

Identify the goals, objectives and components of a project and then implementation so that deadlines are achieved, even when there are setbacks.

## **B.Com. Program Outcomes:**

PO1-The B.Com program aims at producing qualified, skilled and trained personnel for the fields such as insurance, accounting, banking, marketing, stock markets, e-commerce and computer based accounting besides teaching jobs at different areas of commerce education. Indeed this program gets overwhelming response from various corners of the region.

PO2- B. Com is one of the most sought after career oriented program offered at the under graduation and post-graduation level. This program opens up huge career options and opportunities at the aspiring people in the field of commerce and management. This program also prepares one to start his or her own business as an entrepreneur. Skill enhancement, knowledge acquisition and preparing students with all other needy abilities for employment are the vital elements in its primary objectives of the program.

PO3- Preparing students to deal with the latest issues of commerce and management in one hand and nurture the competencies among them, so as to constantly challenge and push themselves towards continuous improvement.

PO4- Developing accounting and managerial skills besides imparting knowledge in networking and system based recording of business transactions.

PO4- Another pivotal objective of the program is ensuring the development of core competencies, such as written and oral communication, quantitative reasoning, financial literacy and critical thinking and evaluation of business results.

## **B.A. Program Outcomes**

- Develops into a political critique
- Develops historical outlook in all aspects
- Learns to participate in economical surveys
- Develops historical outlook in all aspects

- Understands the importance of Telugu language & about them in writing prose, poetry.
- Knows the importance of
- Develops Functional English Language Skills
- Provides Higher Order Thinking skills
- Prepares for higher education: Extended principles of economics in day today life.
- Creates an interest and love towards English language by exposing the learner to the richness and glory of English Language
- Develops cross-disciplinary perspective of global issues
- Understands the value of Economics
- Knows how to assess people
- Develops insights about political
- Develops Historical knowledge by analyzing multiple cultures
- Understands Political process and critically examines the society.
- Knows about Financial instruments and Finance markets

## **GOVERNMENT DEGREE COLLEGE FOR WOMEN, GAJWEL**

### **Program Specific Outcomes**

#### **B.Sc. Physical Sciences (Mathematics- Physics-Chemistry)**

PSO1- Explain the importance of mathematics and its techniques to solve real life problems and provide the limitations of such techniques and validity of the results.

PSO2- Propose new, mathematical questions and suggest statistical analysis with appropriate software packages and /or computer programming to find solutions to these questions.

PSO3- Continue to acquire mathematical knowledge and skills appropriate to professional activities and demonstrate the highest standards of ethical issues in mathematics

PSO4-The graduates of the program will become proficient in the principles and practices of computer science, mathematics, statistics and science, enabling them to solve a wide range of computing related problems.

PSO5- To enable the students with innovative applications of engineering knowledge and programming skills to spearhead the progress of society in the information age.

PSO6- To mould the students into competent, successful, and practicing engineers in their career and/or in pursuing their higher studies through the spirit of innovation and entrepreneurship.

PSO7- The students will understand the existence of matter in the universe as solids, liquids, and gases which are composed of molecules, atoms and sub atomic particles.

PSO8- Students will learn to estimate inorganic salt mixtures and organic compounds both qualitatively and quantitatively using the classical methods of analysis in practical classes.

PSO9- Know the fundamental principles of organic/Inorganic /Physical /General chemistry and predict applications of all chemical reactions.

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PSO6- To mould the students into competent, successful, and practicing engineers in their career and/or in pursuing their higher studies through the spirit of innovation and entrepreneurship.

PSO7-Ability to apply the knowledge gained during the course of the program from Mathematics, Basic Computing, Basic Sciences and Social Sciences in general and all computer science courses in particular to identify, formulate and solve real life complex engineering problems faced in industries and/or during research work with due consideration for the public health and safety, in the context of cultural, societal, and environmental situations.

PSO8- Ability to provide socially acceptable technical solutions to complex computer science engineering problems with the application of modern and appropriate techniques for sustainable development relevant to professional engineering practice.

PSO9-Ability to apply the knowledge of ethical and management principles required to work in a team as well as to lead a team. Ability to comprehend and write effective project reports in multidisciplinary environment in the context of changing technologies.

### **B.Sc. Life Sciences (Botany-Zoology –Chemistry)**

PSO1-Find jobs at, food products, life oriented material industries, etc.

PSO2-Understand ecological interconnectedness of life

PSO3- Analyse the avenues and remedies for burning environmental issues

PSO4- Demonstrated a broad understanding of animal diversity, including knowledge of the scientific classification and evolutionary relationships of major groups of animals.

PSO5- Recognized the relationships between structure and functions at different levels of biological organization (e.g., molecules, cells, organs, organisms, populations, and species) for the major groups of animals.

PSO6- Characterized the biological, chemical, and physical features of environments (e.g., terrestrial, freshwater, marine, host) that animals inhabit.

PSO7-The students will understand the existence of matter in the universe as solids, liquids, and gases which are composed of molecules, atoms and sub atomic particles.

PSO8-Students will learn to estimate inorganic salt mixtures and organic compounds both qualitatively and quantitatively using the classical methods of analysis in practical classes.

PSO9- Know the fundamental principles of organic/Inorganic /Physical /General chemistry and predict applications of all chemical reactions.

### **B.Sc. Life Sciences (Biotechnology-Botany-Chemistry)**

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PSO6- Know the fundamental principles of organic/Inorganic /Physical /General chemistry and predict applications of all chemical reactions.

PSO7-Acquire knowledge on the fundamentals of biotechnology for sound and solid base which enables them to understand the emerging and advanced engineering concepts in life sciences.

PSO8-Acquire knowledge in domain of biotechnology enabling their applications in industry and research.

PSO9-Empower the students to acquire technological knowhow by connecting disciplinary and interdisciplinary aspects of biotechnology

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PSO9- Know the fundamental principles of organic/Inorganic /Physical /General chemistry and predict applications of all chemical reactions.

## **B.Sc. Life Sciences (Microbiology-Zoology–Chemistry)**

PSO1- Can understand distribution, morphology and physiology of microorganisms

PSO2- Acquire skills in aseptic procedures, isolation and identification.

PSO3- Can understand concepts of immunology, virology, Microbial diversity and DNA Technology

PSO4- Demonstrated a broad understood of animal diversity, including knowledge of the scientific classification and evolutionary relationships of major groups of animals.

PSO5- Recognized the relationships between structure and functions at different levels of biological organization (e.g., molecules, cells, organs, organisms, populations, and species) for the major groups of animals.

PSO6- Characterized the biological, chemical, and physical features of environments (e.g., terrestrial, freshwater, marine, host) that animals inhabit.

PSO7- The students will understand the existence of matter in the universe as solids, liquids, and gases which are composed of molecules, atoms and sub atomic particles.

PSO8- Students will learn to estimate inorganic salt mixtures and organic compounds both qualitatively and quantitatively using the classical methods of analysis in practical classes.

PSO9- Know the fundamental principles of organic/Inorganic /Physical /General chemistry and predict applications of all chemical reactions.

### **B.Com. (Computer Applications)**

PSO1- To understand the nature, scope and concepts of Accounting, Business Operations and Management

PSO2 -To understand to enable the students to understand to concepts of computer software and its application in business operation

PSO3 - To equip the students with business Analysis and Ecommerce Skills

### **B.A. (History- Political science- Public Administration )**

PSO1- To understand Ancient and Medieval India and World History.

PSO2- To understand the Modern Indian and Modern World History

PSO3- To develop critical insights for taking up historical studies

PSO4-Understand the background of our religion, customs, institutions and so on.

PSO5 To learn about Political Science, Political Thinkers of ancient and Modern period

PSO6-Create appropriate and efficient Historians, Political Leaders, administrators and State'sman

PSO7-To understand the nature and role of Public Administration in the changing socio-economic and political context

PSO 8-Understand the impact of political dynamics on administrative processes

PSO9-Relate the role of public administration to the dynamics of global context

### **B.A. ( History –Economics-Public Administration)**

PSO1- To understand Ancient and Medieval India and World History.

PSO2- To understand the Modern Indian and Modern World History

PSO3- To develop critical insights for taking up historical studies

PSO4 –To know the key changes in Indian and Global Economies.

PSO5 – To know the Economic growth trends of Indian and World Economies.

PSO6 – To analyse macro-economic policies including fiscal and monetary policies of India.

PSO7-To understand the nature and role of Public Administration in the changing socio-economic and political context

PSO 8-Understand the impact of political dynamics on administrative processes

PSO9-Relate the role of public administration to the dynamics of global context

### **B.A. (History –Economics-Political Science)**

PSO1- To understand Ancient and Medieval India and World History.

PSO2- To understand the Modern Indian and Modern World History

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PSO4 –To know the key changes in Indian and Global Economies.

PSO5 – To know the Economic growth trends of Indian and World Economies.

PSO6 – To analyse macro-economic policies including fiscal and monetary policies of India.

PSO7- To understand concepts of Political Science and gain knowledge about Indian politics

PSO8- To learn about Political Thinkers of ancient and Modern period

PSO9-Create appropriate and efficient Historians, Political Leaders, administrators and State'sman

### **B.A. (Economics-Political Science-Public administration)**

PSO1 – To understand the changing Indian and Global Economies.

PSO2 – To analyse the Economic growth trends of Indian and World Economies.

PSO3- To understand concepts of Political Science and gain knowledge about Indian politics

PSO4- To learn about Political Thinkers of ancient and Modern period

PSO5- To be useful in preparations of competitive examinations

PSO6-Create appropriate and efficient Historians, Political Leaders, administrators and State'sman

PSO7-To understand the nature and role of Public Administration in the changing socio-economic and political context

PSO8-Understand the impact of political dynamics on administrative processes

PSO-9 Relate the role of public administration to the dynamics of global context