	GOVERNMENT DEGREE COLLEGE FOR WOMEN, NALGONDA	
	PROGRAM OUTCOMES of B.Sc	
PO1	Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.	
PO2	Logical thinking: Students undergoing this programme learn to logically question assertions, to recognize patterns and to distinguish between essential and irrelevant aspects of problems. They also share ideas and insights while seeking and benefitting from knowledge and insight of others. This helps them to learn behave responsibly in a rapidly changing interdependent society.	
PO3	Effective Communication : Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.	
PO4	Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.	
PO5	Effective Citizenship: Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.	
PO6	Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.	
PO7	Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.	
PO8	Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes	
	PROGRAM OUTCOMES of B.A	
PO1	Critical Thinking Skills: Students are expected to be able to apply economic analysis to everyday problems in real world situations, to understand current events and evaluate specific policy proposals and to evaluate the role played by assumptions in arguments that reach different conclusions to a specific economic problem.	
PO2	Quantitative Reasoning Skills: Students are expected to understand how to use empirical evidence to evaluate the validity of an economic argument, use statistical methodology, interpret statistical results and conduct appropriate statistical analysis of data.	
PO3	Problem-Solving Skills: Students are expected to be able to solve problems that have clear solutions and to address problems that do not have clear answers and explain conditions under which these solutions may be correct.	
PO4	Specialized Knowledge and Application of Skills: Students are expected to develop critical and quantitative thinking skills.	
PO5	Communication Skills: Students are expected to be able to communicate effectively in written, oral and graphical form about specific issues and to formulate well-organized written arguments that state assumptions and hypotheses supported by evidence.	
PROGRAM OUTCOMES of B.Com		
PO1	This Programme could provide Industries, Banking Sectors, Insurance Companies, Financing companies, Transport Agencies, Warehousing etc., well trained professionals to meet the requirements.	
PO2	After completing graduation, students can get skills regarding various aspects like Marketing Manager, Selling Manager, over all Administration abilities of the Company.	
PO3	Capability of the students to make decisions at personal & professional level will increase after completion of this course.	
PO4	Students can independently start up their own Business.	
PO5	Students can get thorough knowledge of finance and commerce.	
PO6	The knowledge of different specializations in Accounting, costing, banking and finance with the practical exposure helps the students to stand in organization	

GOVERNMENT DEGREE COLLEGE FOR WOMEN, NALGONDA

PROG	FRAM SPECIFIC OUTCOMES of B.Sc Physical Sciences CBCS
PSO1	Disciplinary knowledge: Students will have the capability of demonstrating comprehensive knowledge of Mathematics and two more disciplines of Sciences which form a part of an undergraduate programme of study.
PSO2	Analytical reasoning: The skills and knowledge gained has intrinsic beauty, which also leads to proficiency in analytical reasoning, which can be utilized in modelling and solving real life problems.
PSO3	Problem solving: Students will have the capability to solve various problems using the domain knowledge of mathematics acquired during this programme.
PSO4	Research-related skills: Students will have the Capability for inquiring about appropriate questions relating to the concepts in various fields of Scinces and acquainted with the advances in various branches of Sciences
PSO5	Moral and ethical awareness/reasoning: Students will have the ability to identify unethical behaviour such as fabrication, falsification or misrepresentation of data and adopting objective, unbiased and truthful actions in all aspects.
PSO6	Self-directed learning: Students will have the ability to work independently and do in-depth study of various notions of mathematics and other sciences.
PSO7	Lifelong learning: Students will have the ability to think, acquire knowledge and skills through logical reasoning and to inculcate the habit of self-learning.
PSO8	Employability Skills: This programme will help the students to enhance their employability skills for jobs in government, research institutes, MNCs for software development, banks, insurance and investment sectors and in various other public and private enterprises.
PRO	OGRAM SPECIFIC OUTCOMES of B.Sc Life Sciences CBCS
PSO1	Educate the girl students in erstwhile district of Nalgonda about plant science.
PSO2	Inculcate strong fundamentals on modern and classical aspects of Botany.
PSO3	Build life skills in Edible mushroom cultivation, Bio fertilizer production through value-added courses.
PSO4	Create platform for higher studies in Botany
PSO5	Facilitate students to take-up successful career in Botany
PSO6	Acquire knowledge on the various aspects of life sciences, cell biology, genetics, taxonomy, physiology, applied zoology, general embryology and public health.

PSO7	Understand good laboratory practices and safety, Carry out experimental techniques and methods of Physiology, Cell biology, pathology, Genetics,	
	Applied Zoology, Biological techniques, Toxicology, Entomology, Sericulture, Biochemistry, microtomy.	
PSO8	Understand the applications of biological sciences in Biotechnology, Apiculture, Poultry, Fisheries, Aquaculture, Agriculture and vermiculture.	
PSO9	The students gained the knowledge to use modern sophisticated equipments and tools.	
PSO10	To provide students with a working knowledge of fundamental principles in zoology that will provide a foundation for their later advanced course work in more specific biological subjects.	
PSO11	Contributes the knowledge for Nation building.	
PSO12	Join school as a teacher	
PSO13	Prepare for competitive exams like TSPSC, UPSC, GATE, IIT-JAM.	
PSO14	Analyze and grasp abstract ideas to apply them to important practical problems.	
PSO15	Develop strong analytical skills and a broad-based background in the Chemical sciences to join Indian industry	
PROGRAM SPECIFIC OUTCOMES of B. Com		
PSO1	By goodness of the preparation they can turn into a Manager, Accountant ,Management Accountant, cost Accountant, Bank Manager, Auditor, Company Secretary, Teacher, Professor, Stock Agents, Government employments and so on.	
PSO2	Students will prove themselves in different professional exams like C.A., C S, CMA, TSPSC, UPSC.	
PSO3	The students will acquire the knowledge, skill in different areas of communication, decision making, innovations and problem solving in day to day business activities.	
PSO4	Students will gain thorough systematic and subject skills within various disciplines of finance, auditing and taxation, accounting, management, communication, computer.	
PSO5	Students can also get the practical skills to work as accountant, audit assistant, tax consultant, and computer operator. As well as other financial supporting services.	
PSO6	Students will learn relevant Advanced accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business.	
PSO7	Students will be able to do their higher education and can make research in the field of finance and commerce.	
	PROGRAM SPECIFIC OUTCOMES of B. A	
PSO1	The students will be familiarized with the broad contours of economics and its methodologies, tools and its analysis.	
PSO2	Students will develop a scientific approach towards varied branches of economics like modern banking, economic development and planning, micro economics etc	

PSO3	The student will be able to understand the basic concept of macroeconomic analysis.
PSO4	Students will be able to analyze the economics and institutional arrangements of specific regions, countries, organizations, localities, industries or firms
PSO5	Acquaint with some basic statistical methods to be applied in economics.
PSO6	Acquaint with some basic theoretical concept of public finance.
PSO7	Acquaint with the measurement of development with the help of theories along with the conceptual issues of poverty and inequalities with Indian perspectives.
PSO8	Students will be able to effectively communicate and debate economic ideas and policies.
PSO9	Learn the development issues of Telangana State economy.
PSO10	Learn the basic concept of monetary analysis and financial marketing in Indian financial markets.
PSO11	Learn the development issues of Indian economy.
PSO12	Acquaint with some basic concept of environmental economics.
PSO13	Learn the real and monetary sides of International economics.
PSO14	The student will be able to learn the industrial economics.
PSO15	Understanding the origin and nature of State.
PSO16	Assessing the social issues from the political perspective.
PSO17	It raises many questions: who decides? Who has more influence? How are the decisions being made? What are the consequences of a decision?
PSO18	Uderstand becoming a leader of the nation with actual constitutional knowledge.
PSO19	Analyze the Indian constitutional provisions, legislations and reforms.
PSO20	Ability to discuss western political ideology and Politics
PSO21	Ability to discuss about Indian Constitution and Political Process
PSO22	Encouraging a comprehensive, comparative understanding of specific world constitutions such as UK, USA, China, Russia, Switzerland and France.
PSO23	Analyzing the working of important of international and regional organizations like UN, EU, ASEAN etc.

GOVERNMENT DEGREE COLLEGE FOR WOMEN, NALGONDA	
COURSES AND THEIR OUTCOMES	
	DEPARTMENT OF MATHEMATICS
	SEMESTER-1:COURSE(DIFFERENTIAL CALCULUS)-5 CREDITS
CO 1	The course is aimed at exposing the students to some basic notions in differential calculus
	Students can visualise the two variable functions and able to find the partial derivatives of two
CO 2	variable functions
	Students will learn how to apply concepts of maxima and minima of functions of two variables in
CO 3	real life
	Students can understand the concepts of curvature, evolutes and involutes and able to find the
CO 4	same for various popular curves.
CO 5	Students can find the lengths of various curves and Volumes and Surfaces of Revolution
	SEMESTER-II DIFFERENTIAL EQUATIONS,CREDITS-5
CO 1	The main aim of this course is to introduce the students to the techniques of solving differential
	After learning the course the students will be equipped with the various tools to solve few types of
CO 2	differential equations that arise in several branches of science.
CO 3	Students will be able to solve Differential Equations of first order and first degree.
	Students can find integrating factors to make certain kinds of Differential Equations exact and
CO 4	thereby solve the equations.
CO 5	Students will be able to solve Differential Equations first order but not of first degree
	Students can formulate mathematical models in the form of ordinary differential equations to
	suggest possible solutions of the day to day problems like Growth and Decay, Dynamics of
	Tumour Growth, Radioactivity and Carbon Dating, Compound Interest and Orthogonal
CO 6	Trajectories arising in physical, chemical and biological disciplines
CO 7	Students will be able to solve Higher order Linear Differential Equations
CO 8	Students can form and solve Partial Differential Equations
	SEMESTER- III REAL ANALYSIS,CREDITS-5
	The course is aimed at exposing the students to the foundations of analysis which will be useful in
CO 1	understanding various physical phenomena
\mathbf{CO}	After the completion of the course students will be in a position to appreciate beauty and
CO 2	applicability of the course
CO 2	Students can recognize bounded, convergent, divergent, Cauchy and monotonic sequences and
03	can calculate their limit superior, limit inferior and the limits of convergent sequences.
	Students can apply the ratio, root, alternating series and limit comparison tests for convergence
CO 4	and absolute convergence of an infinite series of real numbers and able to find the sum of infinite
CO 4	terms of some convergent series.
<u> </u>	Students can identify Continuous and Uniformly Continuous Functions
<u>CO 6</u>	Students can understand the properties of Continuous Functions
CO 7	Students can find the limits of functions
CO 8	Students can understand Basic Properties of the Derivatives
~ ~ ~	Students can understand the Mean Value Theorem, L'Hospital Rule and Taylor's Theorem and
CO 9	their applications.
CO 10	Students can understand the concept of Riemann Integration.
CO 11	Students can understand the Properties of Riemann Integral.
CO 12	Students can understand the applications of the fundamental theorem of integration
	SEMESTER-IV ALGEBRA CREDITS-5

	The course is aimed at exposing the students to learn some basic algebraic structures like groups,
CO 1	rings etc
	On successful completion of the course students will be able to recognize algebraic structures that
	arise in matrix algebra, linear algebra and will be able to apply the skills learnt in understanding
CO 2	various such subjects.

	Students can understand the concept of algebraic structures Groups, Subgroups and identify
CO 3	Groups, Subgroups.
CO 4	Link the fundamental concepts of groups and symmetries of geometrical objects
CO 5	Students can Classify Subgroups and Cyclic Groups
CO 6	Students can understand Permutation Groups and Properties of Permutations
CO 7	Students can understand the notions of cosets, normal subgroups, and factor groups.
CO 8	Students can analyse consequences of Lagrange's theorem.
CO 9	Learn about structure preserving maps between groups and their consequences.
	Students can understand the concepts of Rings, Integral Domains, Ideals, Factor Rings, Prime
CO 10	Ideals, Maximal Ideals and Ring Homomorphisms
	Students will learn important applications of groups like check digit systems which is applied in
CO 11	bank notes serial numbers.
CO 12	Students can able to understand Modular arithmetic, which is vital in cryptography.
	SEMESTER-V LINEAR ALGEBRA, CREDITS-5
	Students can understand the concepts of vector spaces, subspaces, bases, dimension and their
CO 1	properties, Coordinate Systems which play key role in digitalisation
CO 2	Students can find the solution space of homogeneous equations using Null space
CO 3	Students can map Vector Spaces through order preserving linear transformations.
	Students can find the rank of matrices, which has many applications in solving system of
CO 4	equations
CO 5	Students can understand the relation between Coordinates when basis are changed.
CO 6	Students can find Eigenvalues and Eigenvectors of matrices, which has many applications
	Students can understand the Diagonalization process, which reduces huge computing tasks and
CO 7	has applications in real time calculations.
	Students can learn properties of inner product spaces and determine orthogonality in inner product
CO 8	spaces.
CO 9	Students can realise the power of matrices and their role in digitalisation.
	SEMESTER-VI NUMERICAL ANALYSIS,CREDITS-5
	Students will be able to find the solutions of all algebraic and transcendental equations in one
CO 1	variable with desired accuracy using various methods.
CO 2	Students will be able to convert the data in to polynomials using various methods
CO 3	Students will be able to interpolate the data with in the given intervals.
CO 4	Students will be able to understand various methods of Numerical Differentiation
CO 5	Students will be able to understand various methods of Numerical Integration
	Students can apply various numerical methods to get results in numerical form which are useful in
CO 6	real life problems.
	Students will understand method to solve differential equations numerically which are otherwise
CO 7	analytically not sovable
	SEMESTER-IV ALGEBRA, CREDITS-5
	The course is aimed at exposing the students to learn some basic algebraic structures like groups,
CO 1	rings etc
	On successful completion of the course students will be able to recognize algebraic structures that
	arise in matrix algebra, linear algebra and will be able to apply the skills learnt in understanding
CO 2	various such subjects.
	Students can understand the concept of algebraic structures Groups, Subgroups and identify
CO 3	Groups, Subgroups.
CO 4	Link the fundamental concepts of groups and symmetries of geometrical objects
CO 5	Students can Classify Subgroups and Cyclic Groups

SEMESTED VI INFAD ALCEDDA CDEDITS 5	
CO 12	Students can able to understand Modular arithmetic, which is vital in cryptography.
CO 11	bank notes serial numbers.
	Students will learn important applications of groups like check digit systems which is applied in
CO 10	Ideals, Maximal Ideals and Ring Homomorphisms
	Students can understand the concepts of Rings, Integral Domains, Ideals, Factor Rings, Prime
CO 9	Learn about structure preserving maps between groups and their consequences.
CO 8	Students can analyse consequences of Lagrange's theorem.
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	Students can apply various numerical methods to get results in numerical form which are useful in
CO 6	real life problems.
	Students will understand method to solve differential equations numerically which are otherwise
CO 7	analytically not sovable
	SEMESTER-VI ANALYTICAL SOLID GEOMETRY, CREDITS-5
CO 1	Students learn to describe some of the surfaces by using analytical geometry
CO 2	Students understand the beautiful interplay between algebra and geometry
60.2	
CO 3	Students will be able to visualise Intersection of Sphere & Plane, Intersection of Two spheres.
CO 4	Students will be able to visualise the concepts of intersection of line and sphere
CO 5	Students will be able write the equation of cone
	Students will be able to understand Plane and Cone Intersection. They will learn about Right
CO 6	Circular cone
	Students will be able to Write the equation of Cylinder, They will learn about Right Circular cone,
CO 7	Enveloping Cylinder
CO 8	Students will learn quadrics, equations of quadrics

DEPARTMENT OF PHYSICS	
SE	MESTER-1: Course - 1 - MECHANICS & OSCILLATIONS (5 CREDITS)
CO1	Students will learn gradient of scalar field, divergence & curl of vector field, vector integrations
	and their conversions.
CO2	Students get good knowledge about laws of motion and variable mass system which mostly
	appears in physical world like motion of rocket.
	Students study the rigid body dynamics and get comparative idea between linear & rotational
CO3	motions. Students understand the working principle of Gyroscope which serves as 3D compass
	and get the idea of precision of equinoxes.
CO4	Students study the central forces which helps to understand the motion of planets and satellites.
	Understand the negative result of Michelson Morley experiment, Galilean and Lorentz
CO5	transformation. Study relativistic effects such as length contraction and time dilation and
	understand twins paradox.
	Students learn how to derive the wave equations of different oscillators and their solutions.
CO6	Understand the principle of superposition of waves, so thus describe the formation of
	standing waves and Lissajous figures. Students come to know the different damped oscillators in
COT	Students will be able to investigate Young's modulus and rigidity modulus and calculate moment
CO 7	of inertia by doing experiments.
COR	Students are able to understand various properties of liquids i.e. surface tension, refractive index,
0.08	viscosity by doing experiments.
COA	Students are able to find out acceleration due to gravity in a place and to use error analysis in
CO9	finding a quantity.
	Students learn the laws of Thermodynamics & absolute scale of temperature and come to know
CO2	entropy change in reversible & irreversible processes
	Students learn thermodynamic potentials. Maxwell's thermodynamic relations, real gas equations
CO3	Vander Waal equation of state the Joule-Thompson effect
	Thompson effect.
<u> </u>	Students learn the methods to produce low temperatures, principle of refrigeration, working
CO4	principle of pressure cooker (Clausius-Clapeyron's equation).
	Students know about black bodies and radiation laws of black body radiation. Students know why
CO5	hot objects appear in different colours and about high temperature measuring devices & solar
	constant measuring devices.
COC	Understand the concepts of micro state, macro state, ensemble, phase space, thermodynamic
00	probability.
	Understand and compare the three different distribution laws e.g. Maxwell-Boltzmann
CO7	distribution, Bose-Einstein distribution and Fermi-Dirac distribution laws of particles and their
	derivation.
CO8	Students will be able to calculate thermal conductivity of a bad conductor, Stefan's constant,

S	EMESTER-3: Course - 3 - ELECTROMAGNETISM (5 CREDITS)
Students will be al	ble to
CO1	learn Coulomb's law, Gauss' law in electrostatics and apply it to systems of point charges as well as line, surface and volume distributions of charges.

CO2	Explain and differentiate the vector (electric fields, Coulomb's law) and scalar (electric potential, electric potential energy) formalisms of electrostatics.
CO3	Learn the concept of magnetic field B, magnetic flux, Biot-Savart's law, Ampere laws and applications of these laws. Solve the problems of determination of B due to magnetic dipoles and
CO4	learn the concepts of Faraday's laws of induction, Lenz's law, self and mutual Induction, modification of Ampere's law, displacement current, Maxwell equations.
CO5	learn Maxwell's equations in vacuum and dielectric medium, boundary conditions, plane wave equation & Poynting theorem.
CO6	observe the voltage-current relations of passive components (like resistor, capacitor and inductor) Learn about electrical oscillatory circuits like LR, RC and LC circuits. Learn about resonant circuits (LCR series & parallel) and AC & DC motors.
CO 7	understand and verify Thevenin's, Norton's, Superposition and Maximum power transfer theorems by doing experiments. Determine a small resistance by Carey Foster's bridge. Determine the ratio of two capacitances by De Sauty's bridge. Determine self-inductance of a coil by Anderson's bridge using AC.
CO8	know about Passive & Active Elements, Power sources and T to π Transformations. understand and demonstrate Superposition theorem, Thevenin's Theorem, Norton's theorem, Reciprocity Theorem and Maximum power transfer theorem.

	SEMESTER-4: Course - 4 - WAVES & OPTICS (5 CREDITS)
Students will be	able to
CO1	Know the distinction between Fresnel and Fraunhofer diffraction. Know the limit of resolution, resolving power of grating, dispersive of prism and measurement of λ of light using above devices.
CO2	Understand the concept of coherence, temporal & spatial coherence. Understand Interference by division of amplitude & division of wave front.
CO3	Understand the measurement of wavelength of light using Biprism, Lloyd's mirror, Newton's rings, Wedge shaped film and Michelson Interferometer experiments. Know the reason for colours of thin films like soap bubbles. Understand the measurement of diameter of thin wires.
CO4	Students study the propagation of transverse waves in strings and energy transport. Students study the longitudinal vibrations in bars in different vibrating modes and study the vibrations of tuning fork.
CO5	determine the wavelength of light using diffraction grating and Newton's rings setup. Calculate the dispersive power of a prism and resolving power of grating & Telescope through experiments.
CO6	determination of refractive index of liquid using pulfrich refractometer and that of glass using Boys' method experiments. Determine the radius of curvature of a given convex lens by forming Newton's rings. Determine the thickness of tiny wires using wedge method.
C07	understand different methods of Polarization, Optical rotation, Babinet's compensator, Laurent's half shade polarimeter.

	SEMESTER-5: Course - 5A- MODERN PHYSICS (5 CREDITS)
Students will be a	ble to
CO1	learn the basic properties of nucleus, nuclear models: Liquid Drop model - semi-empirical mass formula and binding energy, Nuclear Shell Model and magic numbers
CO2	know the Inadequacy of Bohr atomic model and modification of atomic models. Learn the spectroscopic terms and study doublet fine structure, Zeeman, Paschen-Back and Stark effects of spectral lines.
CO3	know different types of spectra. Study the rotational, vibrational spectra of molecules and Raman effect.
CO4	learn Schrodinger's Time dependent and independent wave equations. Learn about wave function and it's properties. Learn about operators, Eigen functions and Eigen values.
CO5	Understand the concepts of Photoelectric effect, Compton effect, de-Broglie matter waves and Heisenberg Uncertainty Principle
CO6	understand the difference between amorphous and crystalline materials. Understand the topics Unit Cell, miller Indices, types of lattices, reciprocal lattice, Brillouin Zones and diffraction of X- rays by Crystals. Know about types of bondings in crystals and lattice energy of ionic crystals.
C07	determine the Planck's constant using Photo Cell. Determine the Energy gap of semi-conductor through experiments. Verify Photo electric effect with experiment.
CO8	understand the stability of the nucleus, Law of radioactive decay; Mean life and half-life of nucleus; Alpha decay; Beta decay and Particle detectors.

SEMESTER-6: Course - 6A - ELECTRONICS (5 CREDITS) Students will be able to	
CO2	study about different special purpose electronic devices like photo diode, solar cell, opto couplers, Shockley diode, UJT, SCR and FET.
CO3	describe and demonstrate the circuits of OR, AND, NOT, NOR, NAND and EX-OR gates. Understand and verify De Morgan's Laws by doing experiments.
CO4	understand Binary, Decimal and Hexadecimal number systems. Convert numbers from one system to another.
CO5	to draw the curves of V-I characteristics of p-n junction diode, Zener diode and transistor. Students determine the frequency of RC phase shift oscillator and study the frequency response of RC phase shift oscillator by doing experiments.
CO6	understand band theory of solids, intrinsic semiconductors, extrinsic semi-conductors (p-type & n-type), p-n junction diode, rectifier circuit, Zener diode and voltage regulator circuit.

SEMESTER-6: NANO SCIENCE (4 REDITS) - (in lieu of project	
Students will be able to	

CO1	study comparatively the length scales in physics, 1D, 2D, 3D nano structures and their consequences
CO2	know synthesis techniques of nano materials like chemical vapor deposition method, thermal decomposition, ball milling, e-beam evaporation, pulsed laser deposition, MBE growth of quantum dots
CO3	know characterization techniques like X-Ray Diffraction, Scanning electron microscopy, Travelling electron microscopy, Scanning tunnelling microscopy, atomic force microscopy
CO4	know about coulombic interactions and dielectric constant of nano structures, quasi particles and excitons and get comparative idea about the optical properties of hetero and nano structures
CO5	get idea about carrier transport in nano structures, blockade effect, tunnelling & hoping conductivity.

SEM - III - SEC - II (b) : ELECTRICAL CIRCUIT NETWORKING (2 CREDITS)		
Students will be a	ble to	
CO1	know about electrical protection devices: Relays, fuses and disconnect switches, circuit breakers, overload devices, grounding and isolating.	
CO2	know reading Schematics, ladder diagrams, drawing symbols, blueprints, electrical schematics.	

CO3	know the basic electricity principles: Voltage, Current, Resistance, and Power, Series & paralle
COS	combinations of circuit elements, AC Electricity and DC Electricity

SEM - IV - SEC - II (b) : BASIC INSTRUMENTATION (2 CREDITS)	
Students will be a	ble to
CO1	know the working principle and usage of Signal generator, analysis instruments, impedance bridges and Q - meter
CO2	know the working principle and usage of multimeter & electronic voltmeter. Know the construction, working and usage of CRO (Cathode Ray Oscilloscope)
CO3	know the working principle and usage of digital multimeter. To get knowledge by comparing digital and analogue instruments.
CO4	know the basics of measurements like accuracy, precession, sensitivity and resolution or instruments. Know the errors in measurements & loading effects in taking measurements.

GOVERNMENT DEGREE COLLEGE FOR WOMEN, NALGONDA	
	COURSES AND THEIR OUTCOMES
	DEPARTMENT OF COMPUTER SCIENCE
	Semester-I, Paper-1 (Programming in C) – 5 Credits
CO-1	It will help you understand how a computer works and established.
CO-2	Explains the concepts of C Tokens (Like operators and Data types)
CO-3	Develops basic understanding of computers, the concept of algorithms and code
CO-4	Understanding a functional hierarchical code organization
CO-5	Ability to work with textual information, characters and strings
CO-6	Ability to work with arrays of complex objects.
CO-7	Understanding a concept of object thinking within the framework of functional model.
CO-8	Ability to handle possible errors during program execution
СО-9	Ability to work with structure and unions.
	Semester-II, Paper-2 (Programming in C++) – 5 Credits
CO-1	To understand how C++ improves C with object-oriented features.
CO-2	To learn how to write inline functions for efficiency and performance.
CO-3	To learn the syntax and semantics of the C++ programming language.
CO-4	To learn how to design C++ classes for code reuse.
CO-5	To learn how to implement copy constructors and class member functions.
CO-6	To understand the concept of data abstraction and encapsulation.
CO-7	To learn how to overload functions and operators in C++.
CO-8	To learn how containment and inheritance promote code reuse in C++.
СО-9	To learn how inheritance and virtual functions implement dynamic binding with polymorphism.
CO-10	To learn how to design and implement generic classes with C++ templates.
CO-11	To learn how to use exception handling in C++ programs.
	Semester-III, Paper-3 (Data Structures) – 4 Credits
CO1	Ability to analyze basic concepts in types of data structures
CO2	Ability to describe stack, queue and linked list operation.
CO3	Understand the usage and applications of different data structures.
CO4	Ability to have knowledge of tree and graphs concepts.
CO5	To understand the concepts of different tree structures and traveling techniques.
CO6	Ability to summarize searching and sorting techniques
CO7	Identify the need of different Hashing Techniques.
CO8	Explain priority queues with example.
	Semester-IV, Paper-4 (DataBase Management System) – 4 Credits
CO1	Describe the fundamentals of File processing and database processing system.
CO2	Explain the various data model and its application.
CO3	Design ER diagrams for new databases.
CO4	Explain the fundamental concepts of SQL programs.
C05	Describe the concepts of function, procedure, package, trigger and exception handling.
CO6	Explain the various normal forms and its role in DBMS.
C07	Ability to identify various normal forms with relational tables.
<u>CO8</u>	Understand the Transactions and their proprieties(ACID).
C09	Understand recovery techniques used to recover from crashes.

	SEMESTER –V PAPER-5 (Programming in JAVA) 3 CREDITS
CO 1	Gain knowledge to define the concepts of the programming to cover software design,
	implementation using java.
CO 2	The student will be able to use an integrated development environment to write compile, run
	simple object oriented java programs.
CO 3	Explain the process of developing the code.
CO 4	Understand the datatypes, arrays, primary components in java.
CO5	Gain the knowledge on packages and input and output files.
CO 6	Explain the process of threading and multithreading.
CO 7	To understand the Abstract window toolkit and swings to create different forms of
	buttons,checkboxes,layouts etc.
CO 8	Identify the connection of database by using JDBC.
	Semester-V, Paper-6 (Operating Systems) – 3 Credits
CO-1	To understand design issues related to Process management andvarious related algorithms.
CO-2	Explain the concept of a process and the process control block (PCB) in a typical OS.
CO-3	Understand theprocess managementpolicies and scheduling of processes by CPU.
CO-4	Evaluate the requirement forprocesssynchronization and coordination handledby operating system.
CO-5	To understand design issues related to Memory management andvarious related algorithms.
CO-6	Explain the difference between a process and a thread.
CO-7	Identify use and evaluate the storagemanagement policies with respect to different storage
0-7	managementtechnologies.
CO-8	Identify the need tocreate the specialpurpose operatingsystem.
	Semester –VI Paper-7 (Web Technologies) - 3 Credits
CO 1	Describe HTML and XHTML.
CO 2	Use different types of tags for tables, frames, forms.
CO 3	Describe the navigation using Anchor tag.
CO 4	Learn cascading style sheets and design issues.
CO 5	Understand the java scripts for performing validations on forms.
CO 6	The concept of apply all the tags to create web pages.
	Semester-VI, Paper-8 (Computer Networks) – 3 Credits
CO 1	Describe the functions of each layer in OSI and TCP/IP model
CO 2	Understand different types of networks, various topologies and application of networks.
CO 3	Explain the functions of Application layer and Presentationlayer paradigms and Protocols.
CO 4	Describe the Session layer design issues and Transport layer services.
CO 5	Understand the concept of networking models, protocols, functionality of each layer.
CO 6	Explain the types of transmission media with real time applications.
CO 7	Understand types of addresses, data communication.
CO-8	Learn basic networking hardware and tools.

	GOVERNMENT DEGREE COLLEGE FOR WOMEN NALGONDA
	COURSES AND THEIR OUTCOMES
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	DFPARTMENT OF ZOOLOGY
S	FMFSTFR-L PAPER 1 (ANIMAL DIVERSITY - INVERTERRATES) 4 CREDITS
CO 1	The student will be able to understand classify and identify the diversity of Invertebrates
	The student understands the importance of classification of animals and classifies them effectively
CO 2	using the six levels of classification.
CO 3	Categorize the diversity found in the invertebrate groups of animals like Arthropoda, Mollusca and Echinodermata.
CO 4	Describe the morphology, habit and habitat, systematic position and various systems in Invertebrate species.
SEMESTE	ER-II. PAPER 2 (ECOLOGY,ZOO GEOGRAPHY & ANIMAL BEHAVIOUR) 4 CREDITS
CO 1	individual organisms, their populations, and communities.
CO 2	To Describe Environmental Pollution and its control measures
CO 3	To understand methods of wildlife and conservation and endangered species
CO 4	To describe Innate and Acquired types of behavior
CO 5	To identify Zoogeographical regions with their climatic and faunal peculiarities
SEMESTED	II DADED 2 (ANIMAL DIVEDGITY VEDTEDDATEG & DEVELODMENTAL DIOLOGY).
SEMILSIEK-I	The student will be able to understand closeif, and identify the dimension of Incomptonented
	The student will be able to understand classify and identify the diversity of invertebrates.
CO 2	I he student understands the importance of classification of animals and classifies them effectively
	Using the six levels of classification.
CO 3	mammals
<u>CO 4</u>	Explain various adaptations in axian group as well as migration and flight in hirds
CO4	Explain various adaptations in avian group as wen as inigration and right in onus.
COS	Property the flow short of comptogenesis process
	Identify the developmental stores
$CO \gamma$	Understand the process of development of onimals
SEMEST	FR-IV PAPER A (CELL & MOLECULAR BIOLOCY CENETICS AND EVOLUTION) A
CO 1	Understood the structure of cells and cell organelles in relation to the functional
$\frac{co1}{co2}$	Described the composition of prokaryotic and eukaryotic cells
	Understood the structure and functions of chromosome: mitatic and meiotic cell divisions and
CO 3	their significance
<u>CO 4</u>	Explain DNA structure
COF	Paraphrase the Central dogma of molecular hiology
COS	Illustrate the mechanism of replication, transcription and translation
COT	Institute the meenanism of represention, transcription and translation.
	Mendelian and non-mendielian inheritance
	Concept behind genetic disorder, gene mutations, various causes associated with inhorn errors of
CO 9	metabolism
CO 10	Theories of Evolution
CO 11	Knowledge of eras and evolution of species
	SEMESTER-V, PAPER 5 (PHYSIOLOGY AND BIOCHEMISTRY) 3 CREDITS

CO 1	Knowledge of basic terms in physiology
	Understood about the composition of food and mechanism of digestion absorption and
CO 2	assimilation.
CO 3	The student will be able to understand the physiological processes in mammals.
CO 4	Explain the anatomy of various systems.
CO 5	Illustrate the reproductive cycles with hormonal control.
CO 6	Gain knowledge of working of kidney.
CO 7	Knowledge of basic terms in biochemistry.
	The student will be able to explain the structure functions and reactions of the various
CO 8	biomolecules.
<u> </u>	Attained the knowledge of macromolecule such as carbohydrates, protein and fat, their types and
CO 9	significance.
CO 10	Described the enzymes, mechanism of enzyme action and factors affecting the enzyme activity
	SEMIESTER-V, PAPER 6 (APPLIED ZOOLOGY) 3 CREDITS
CO 1	Gain knowledge to define the concepts of the applied subjects like Aquaculture,
<u> </u>	Apiculture, Sericulture, Vermiculture, Poultry and Animal Husbandary.
<u>CO 2</u>	The student will be able to identify, freshwater, marine water fishes.
<u>CO 3</u>	Gain knowledge to explain the tools and techniques used in aquaculture
CO 4	The student will be able to describe the fish species commonly used in fishery business.
<u>CO 5</u>	Identify different species and casts of honeybees and species of silkworm.
	Explain the tools and techniques used in apiculture and sericulture.
CO 7	The student will be able to explain the important pests of apiculture and sericulture.
<u>CO 8</u>	Describe the economic importance of honeybee and silkworm.
<u>CO9</u>	To satisfy the need for food of the growing population.
CO 10	To do proper management of the domestic animals.
CO 11	To develop high yielding breeds of animals.
CO 12	To increase the standard of living of formers.
SEMES	TED VI DADED 7 (IMMUNOLOCY AND ANIMAL DIOTECHNOLOCY) 2 CDEDITS
SENIES	STER-VI, PAPER / (IMMUNOLOGY AND ANIMAL BIOTECHNOLOGY) 3 CREDITS
CO 1	The students will be able to identify the cellular and molecular basis of immune responsiveness.
CO 2	The students will be able to describe immunological response and how it is triggered and regulated
CO 3	Developing DNA - based diagnostics and genetically engineered vaccines for animals, Studying animal genomics and its varied applications
CO 4	Scope and Importance of Biotechnology.
CO 5	The concept of recombinant DNA technology.
CO 6	Briefing the methods and tools associated with recombinant DNA technology.
CO 7	The concept of Genetically modified organisms.
60.1	SEMESTER-VI, PAPER 8 (AQUATIC BIOLOGY) 3 CREDITS
CO 1	Demonstrate the effect of pollutants on freshwater bodies
<u>CO 2</u>	Identify the aquatic adaptations in deep sea organisms
CO 3	Illustrate the physicochemical properties of water.
CO 4	I o study different nutrient cycles
CO 5	Gain knowledge of different types of Freshwater ecosystem (lakes, wetlands, streams and rivers)

CO 6	To know the Causes of pollution of Agricultural, Industrial, Sewage, Thermal and Oil spills
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	CHEMISTRY
	SEMESTER-I, PAPER 1, 4 CREDITS
The students	will learn the following
CO 1	Inculcate industrial applications of carbides, silicones, acidity and reactivity of boran compounds
CO 2	Overview of periodic table and P block elements
CO 3	Detail understanding of various compounds of elements of p-block and theoretical knowledge to perform semi micro analysis i.e Identification of inorganic salts
CO 4	Understand the concept of nature of chemical bond.
CO 5	Understand alkanes, alkenes, alkynes, Understand the aromaticity of organic compounds
CO 6	Understand the concept of stereochemistry. Understand different types of reaction mechanism.
CO 7	These topics provide excellent understanding of basic knowledge of organic chemistry in future of course.
CO 8	These topics give a foundation to cater the needs of quantum mechanics future of course and use full to learn behaviour of real gases, liquification phenomenon, viscosity of liquids etc.
CO 9	Understand the crystal structures of various solids . Understand the concepts of Real gases and solutions (miscible , immiscible & partially miscible liquids)
CO 10	Inculcates the practical knowledge of identification and confirm the given unknown salt mixture
	SEMESTER-II, PAPER 2, 4 CREDITS
The students	will learn the following
CO 1	Understand reactivity and structures of oxides, oxy acids, structures of inter halogen compound. zero group elements, d -block elements
CO 2	Understand the structure and chemical bonding and behaviour in aryl, alkyl halides, alcohols, phenols and carbonyl compounds
CO 3	Understand the theories and laws of electrochemistry, electrolytical cells, electrochemical cells applications batteries industry. Conductometric titrations, emf etc.
CO 4	Volumetric analysis, and gravimetric analysis. estimation of carbonate, bicarbonate, copper etc.
	SEMESTER-III, PAPER 3, 4CREDITS
The students	will learn the following
CO 1	Understand the chemistry of f-block elements, complex compounds, metal carbonys and organometallic compounds and their applications.
CO 2	Understand the chemistry of carboxylic acids and their derivatives , active methylene compounds and nitro compounds . industrial and research importance. Importance of carbanions -I
CO 3	Understand the thermodynamics of chemical reactions, phase rule.
CO 4	Laboratory synthesis of some organic compounds.
T 1	SEMESTER-IV, PAPER 4, 4 CREDITS
The students	will learn the following

	Student able to understand the reaction mechanism of inorganic complexes, inert and labile nature
CO 1	bio inorganic chemistry Student able to understand the reaction mechanism of morganic
	complexes, inert and labile nature ,bio inorganic chemistry i.e importance of micro and macro
	nutrients in human. Theories of bonding in metals.
	Student able to understand the the chemistry and reactions of carbohydrates, amino acids and
CO 2	Hetero cyclic compounds. Their importance in medical and biological fields. Importance of
	carbanions -II
CO 3	Understand the concepts of kinetics and photochemistry (reaction dynamics), colloids and surface
	chemistry.
CO 4	Functional group analysis.
	SEMESTER-V, PAPER 5, 3 CREDITS
The students will	learn the following
CO 1	Understand the CFT, magnetic properties, colour properties, applications of complex compounds
CO 2	Understand the chemistry amines and heterocyclic compounds and their importance medical fields.
GO 3	By the end of this course, Students will be able to: Understand the thermodynamics of chemical
CO 3	reactions.Understand the concept of chemical kinetics
	SEMESTER-V, PAPER 6, 3 CREDITS
The students will	learn the following
CO 1	Understand the spectroscopic techniques to elucidation of the given compound. Gains the
COT	knowledge of I.R, U.V and ELECTRONIC SPECTRAL TECHNIQUES
CO 2	
	Students are able to Preparation of and checking purity through T.L.C, of few organic compounds
	CEMECTED VI. DADED 5 2 CDEDITO
The states :11	SEMIESTER-VI, PAPER 7, 3 CREDITS
The students will	
CO 1	Student able to understand the reaction mechanism of increanic complexes, inert and labile nature
CUI	bio inorgania chemistry i a importance of mioro and maero nutrients in human
	Student able to understand the the abamistry and reactions of earbohydrates and amine saids
CO 2	Their importance in medical and biological fields
	Student able to understand the therme chemical reactions and thermodynamic parameters
CO 3	sound and non spontaneous equilibrium. Ch and Cy, thermodynamically carried processes
03	such as entropy etc
	Students are able to identify and confirm the given organic compounds and able to test the purity
CO 4	samples
	samples.
	SEMESTER VI PAPER 8 3 CREDITS
The students will	learn the following
	Understand the various types of diseases and various terms involved in medicinal chemistry
CO 1	nomenclature of drugs and therapeutic activity of drugs absorption distribution metabolism and
COT	elimination of drugs
	Understand the chemistry of enzymes and their action drug action recentor theory drug function
CO 2	with an example
CO 3	Understand the synthesis of drugs and about the drugs to treat metabolic disorders. And those
	drugs which acting on nervous system

CO 4	Understand about molecular messenger and health promoting drugs in detail.
CO 5	Students are able to perform practicals of various physical chemistry experiments and gain the
05	sound knowledge of their significance.

	DEPARTMENT OF MICROBIOLOGY
<u> </u>	SEMESTER-1: PAPER 1 - Introductory Microbiology, 5 CREDITS
COI	Students will learn and Understand the basic concepts of Microbiology
CO2	Development of Microbiology as a branch of science with the experiments conducted by scientists
CO3	Basic staining procedures to view the cell structures
CO4	Acquire knowledge on sterilisation of different objects by various methods
CO5	Study of different microorganisms and viruses based on their characteristics
CO6	Preparation of different culture media for the cultivation of microorganisms
	SEMESTER-2: PAPER 2 - Microbial physiology and Biochemistry, 5 CREDITS
Students gain	1 knowledge on the following
	Type of elements required by a microbial cell to grow in artificial conditions
CO2	Different types of microorganisms based on the nutrition
CO3	eukaryotes
CO4	Type of biomolecules present in a living cell , their importance and functions
CO5	Biochemical techniques for the identification of biomolecules such as Colorimetry and Electrophoresis
	SEMESTER-3: PAPER 3 - Microbial physiology and Enzymology, 5 CREDITS
Students lear	n the concepts of below mentioned
CO1	Procedures adopted by a microbial cell to take up the nutrients and artificial conditions required or growth
CO2	Different types of microorganisms based on the nutrition and the growth pattern under different conditions
CO3	Metabolic processes of microbes such as photosynthesis, respiration and oxidation of fatty acids with differences from eukaryotes
CO4	Concept of fermentation and applications in different industries
CO5	Biocatalysts and the factors affecting activity of enzymes
	SEMESTER-4: PAPER 4- Microbial genetics and Molecular Biology, 5 CREDITS
Students stud	ly the experiments related to
CO1	Genetics and extrachromosomal genetical elements
CO2	Changes in the sequence of genes that results in physiological changes
CO3	Gene expression into a functional protein
CO4	Regulation of gene expression in controlled way
CO5	r-DNA technology concepts and their applications in various fields & impact on the society
	SEMESTER-5: PAPER 5 - Applied Microbiology, 4 CREDITS
This explain	s the importance of following
CO1	Types of microorganisms involved in agriculture and influence on plant growth
CO2	Microbes that are pathogenic to plants in the form of diseases
CO3	Role of microbes in biogeochemical cycling of N, C and sulphur
CO4	The interactions of microbes among themselves, with plants and the soil

C05	Role of microorganisms in environmental pollution and in biodegradation of chemicals
	particularly recalcitrant substances
	CEMECTED 5. DADED (Lummar alarm A CDEDITO
Studente wil	SEMIESTER-5: PAPER 6 - IMMUNOIOgy, 4 CREDITS
Students will	
CO1	Basic concepts of immunology in terms of antigen, antibody, complement and interferons
CO2	Natural immunity possessed by the animals and adaptive immunity acquired by during life time
CO3	The organs and cells constitute immunity
CO4	Different types of Ag-Ab reactions in Vitro and invivo
CO5	Immunological process that are deleterious or exaggerated
	SEMESTER-6: PAPER 7 - Medical Microbiology, 4 CREDITS
Students will	ll learn the following
CO1	Non specific defense mechanisms and he interactions of microbe with host
CO2	General principles of diagnostic of collection, transpor, cultural, serological and molecular methods
CO3	Various Elements of Drugs used for treatment of diseases caused by bacteria, virus, protozoans and fungi
CO4	Microbial diseases transmitted by air, water, contact, blood and insects
	SEMESTER-6: PAPER 8 - Industrial Microbiology, 4 CREDITS
This provide	es the knowledge on the following
COL	How the microbial processes turn the waste materials generated from various industries and from
COI	agriculture could be converted into economically important products
CO2	The methods used to modify a wild type strain into industrially important strain
CO3	Methods of isolating microorganism with industrial value from natural sources such as soil and
CUS	water
COA	Different type of products produced by the fermentation process and the conditions to be followed
04	for the cultivation of organisms at pilot scale
C05	Industries that function on the concept of fermentation process and the economic constraints to
005	operate such processes

	COVERNMENT DECREE COLLECE FOR WOMEN NALCONDA
	COURSES AND THEIR OUTCOMES
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	ΝΕΡΑΡΤΜΕΝΤ ΟΓ ΡΟΤΟΝΥ
	OLD CDCS(2016 TO 2010)
	OLD CBC5(2010 10 2019) SEMIECTED I DADED 1(M*subble subble sub
	SEMIESTER-I, PAPER I(MICroDial diversity & lower plants), CREDITS-4+1 =5
CO 1	Pteridophyta.
CO 2	Examine the general characteristics of bacteria and their cell, reproduction/ recombination.
CO 3	Analyze the general structure and replication of viruses.
CO 4	Develop critical understanding of plant diseases and their remediation.
SEMEST	FED II DADED 2(Dreambute Dissidentive Cumnesporting Deleghetense) CDEDITS 4+1-5
SENIES	Develop oritical understanding on mormhology, reproduction of Draunhates. Dravidenhates &
CO 1	Gymposperms
	Demonstrate proficiency in the experimental techniques and methods of appropriate analysis of
CO 2	Bryophytes,Pteridophytes & Gymnosperms
<u>CO 3</u>	Develop understanding fossile Fossilization & Types of fossile
05	
S	EMESTER-III, PAPER 3(Plant Taxonomy & Medicinal Botany), CREDITS -4+1=5
CO 1	Students can able to understand the systematic position of different plant species in surrounding environment
CO 2	The students develop knowledge about plant identification and nomenclature.
CO 3	Students can able to know the technique of making herbarium.
CO 4	They can understand the medicinal values of different medicinal plants and can apply the knowledge in their real life
	SEMESTER-IV, PAPER 4 (Plant Anotomy & Embryology) CREDITS -4+1=5
CO 1	Understand the fundamental concepts of plant anatomy and embryology
CO 2	Analyze and recognize the different organs of plant and secondary growth
CO 3	Evaluate the structural organization of flower and the process of pollination, fertilization & Development of embryo.
	SEMESTER-V, PAPER 5(DSC)(Cell Biology & Genetics) CREDITS- 3+1=4
CO 1	Understand the importance, evolution and diversity of cells.
CO 2	Able to describe the organization, structure and functions of cell organelles.
CO 3	Understand the biochemical pathways associated with the cellular organelles.
CO 4	Perceive over all mechanism of cell growth and cell cycle and division
CO 5	Understand the sequential events that occur during mitosis and meiosis
<u>CO 1</u>	SEMESTER-VI(DSE-1), PAPER 6 (Ecology & Biodiversity) CREDITS-3+1=4
	Understanding the sequents of high and chief is sequences of
	Understanding the concepts of plottic and abiotic components.
CU 3	Assess the adaptation of plants in 4 relation to light, temperature, edaphic factors
	Analyze the characteristics of different plant communities.
	Develop understanding of the concept and scope of Blodiversity

CO 6	Identify the causes and implications of loss of biodiversity.
CO 7	Utilize various strategies for the conservation of biodiversity
	SEMESTER-VI, PAPER 7(DSC) (Plant Physiology) CREDITS-3+1=4
CO 1	Understand Water relation of plants with respect to various physiological processes
CO 2	Explain chemical properties and deficiency symptoms in plants
CO 3	Understand the mechanism of various metabolic processes in plants.
CO 4	Explain the significance of Photosynthesis and respiration
CO 5	Acquire basic knowledge about growth and development in plants
CO 6	Assess dormancy and germination in plants
SI	EMESTER-VI, PAPER 8(DSE) (Tissue Culture & Biotechnology) CREDITS-3+1=4(DSE
CO 1	Develop their competency on different types of plant tissue culture Understand the basic concepts and fundamentals of plant biotechnology
CO 2	Analyze the enzymes and vectors used for genetic manipulations
CO 3	Examine gene cloning and evaluate different methods of gene transfer
CO 4	Critically analyze the major concerns and applications of transgenic plants
	BOTANY NEW CBCS (FROM 2019)
	SEMESTER-I, PAPER 1(Microbial diversity & lower plants), CREDITS-4+1 =5
	Understand the fundamental concepts related to bacteria, Bryophyta viruses, algae, fungi, and
CO 1	Pteridophyta.
CO 2	Examine the general characteristics of bacteria and their cell, reproduction/ recombination.
CO 3	Analyze the general structure and replication of viruses.
CO 4	Develop critical understanding of plant diseases and their remediation.
CO 5	Develop critical understanding on morphology, reproduction of Bryophytes and Pteridophytes.
CO 6	Demonstrate proficiency in the experimental techniques and methods of appropriate analysis of Bryophytes and Pteridophytes
S	EMESTER-II, PAPER 2(Gymnosperms, Plant Taxonomy & Ecology) CREDITS-4+1 =5
CO 1	Develop critical morphology, reproduction and economic importance of Gymnosperms.
CO 2	The students develop knowledge about plant identification and nomenclature.
CO 3	Students can able to understand the systematic position of different plant species in surrounding environment
CO 4	Students can able to know the technique of making herbarium.
CO 5	Develop critical thinking about Ecosystem, population & Community Ecology.
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	GOVERNMENT DEGREE COLLEGE FOR WOMEN, NALGONDA
	COURSES AND THEIR OUTCOMES
	DEPARTMENT OF ECONOMICS
	Semester-I, Paper-1 (Micro Economics) – 5 Credits
CO-1	Students will be able to recognize, apply and analyze concepts and theories in micro economics
CO-2	Student will develop an ability to attempt questions in competitive examinations
CO 3	Students will be able to under stand the concepts of consumer behaviour like cardinal utility and
CO-3	ordinal utility analysis
CO 4	Students will be able to under stand the Application of Indifference curve analysis in deriving
CO-4	demand curves, price effect, income effect and substitution effect
CO 5	Students will be able to under stand the Theory of production- iso-quants, laws of returns to scale,
0-5	law of variable proportion Traditional and modern theory of cost
CO-6	Students will be able to under stand the decision making process in different market situations such as perfect competition, monopolistic competition, monopoly and oligopoly markets
A 0	Semester-II, Paper-2 (Macro Economics) – 5 Credits
After successf	ul completion of this paper a student will be able to understand
<u>CO-1</u>	Concepts and methods of National income accounting
CO-2	Theories of aggregate income and employment-classical and Keynes analysis
CO-3	Theories of consumption function and investment spending
CO-4	Rate of interest- Classical, Keynesian and IS-LM Model
CO-5	Money- functions- theories of money
CO-6	Inflation and trade cycles
	Semester-III, Paper-3 (Quantitative Methods for Economic Analysis) – 5 Credits
After successf	ill completion of this paper a student will be able to understand
CO1	Basic concepts of mathematics
CO2	Basic concepts of statistics
CO3	Census methods and sampling method
CO4	Measures of central tendency
C05	Measures of dispersion
CO6	Correlation and simple regression
CO7	Index numbers.
CO8	Time series analysis
CO9	Students will be able to recognize, apply and analyze concepts and theories of statistics in research
	Semester-IV, Paper-4 (Public Finance and International Economics) – 5 Credits
This paper will	Il enable the students to learn
CO1	Role and significance of public finance including market economy.
CO2	Public revenue – tax and non-tax revenue, theories of taxation etc.
CO3	Pattern and trend of Public expenditure.
CO4	Public debt – sources, methods of debt redemption, debt management policy.
CO5	Fiscal federalism, India's finance commission
CO6	Budget- concepts and deficits
CO 7	Fiscal crisis and fiscal sector reforms in India
CO8	International trade- Trade theories
CO9	Tariffs and quotas

CO10	Balance of payments
	SEMESTER –V PAPER-5 (Indian Economy) 5 CREDITS
The basic obje outlines are	ctive of the course is to acquaint learners with some basic ideas relating to Indian economy. The
CO 1	Indian Economy at the time of independence.
CO 2	Changes in the composition of national income
CO 3	Natural Resource base: land, water, orest, mineral and metal Resources
CO 4	Population: size, growth and composition
CO5	Importance and role of agriculture.
CO 6	Trends in agricultural Productivity, land reforms, greeen revolution, agricultural finance, agricultural marketing, agricultural price policy and food security in India.
CO 7	Role and importance of industrialization, industrial policy resolutions
CO 8	NITI Aayog, GATT and WTO
CO 9	Student will be able to attempt questions in competitive examinations
	Semester-V, Paper-6 (Economics of Development and Planning) – 5 Credits
This paper will	I provide concepts on development Economics such as
<u>CO-1</u>	Development- concepts and measurement-GDP and PCI, PQLI, HDI, HPI etc.
CO-2	Obstacles to development, Indian economy as a developing economy, occupational pattern etc.
CO-3	Different concepts of poverty and unemployment with reference to developing countries
CO-4	Theories of Economic growth – Classical, Harrod-Domar, Solow, endogenous growth, etc.
CO-5	Theories of persistence of underdevelopment- vicious circle of poverty, Myrdal's cumulative causation, Rostow's stages of growth, balanced and unbalanced growth strategy, Lewis theory of unlimited labour supply
	Semester VI Dener 7 (Telepsone Feenerry) 5 Coudits
	Semester –VI Paper-7 (Telangana Economy) - 5 Credits
The basic obje outlines are	ctive of the course is to acquaint learners with some basic ideas relating to Telangana economy. The
CO 1	State and district domestic product in Telangana
CO 2	Trends in population growth in Telangana
CO 3	The structure of agriculture and allied sectors in Telangana
CO 4	The structure of industrial development in Telangana
CO 5	The structure of tertiary sector in Telangana
CO 6	Student will be able to attempt questions in competitive examinations of TSPSC
	Semester-VI, Paper-8 (Economics of Rural Development) – 5 Credits
The basic obje	ctive of the course is to acquaint learners with some basic ideas relating to rural development.
$\frac{co1}{co2}$	Magurement of rural development
CO_2	Some paradigms of rural development
CO_4	Determinants of rural development
CO 5	Approaches to rural development

	GOVERNMENT DEGREE COLLEGE FOR WOMEN, NALGONDA
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	DEPARTMENT OF POLITICAL SCIENCE
	SEMESTER-I, PAPER 1(Understanding political theory) 5 CREDITS
CO 1	Understanding What is Political Theory, Evolution, Nature, Significance.Debates on Political Theory, a) Normative b)Empirical
CO 2	Raising questions, what is Political?
CO 3	Analysing the State: Theories of origin of the state- Divine, Social Contract, Evolutionary theories
CO 4	Understanding the Power ,Authority,and Authoritative allocation of Values.
CO 5	Understanding the Sovereign state and Challenges.
CO 6	The student understand the Political Values and Theoretical Perspective; Liberty :- A) Liberal B) Marxist C) Feminist Equality :- A) Liberal B) Marxist C) Feminist Justice :- A) Liberal B) Marxist C) Feminist
CO 7	The student receive the different Political Ideologies; just like, Liberalism, Nationalism, Multiculturalism.
CO 8	Understanding the Political Institutions and Functions; Legislature, Executive and Judiciary
CO 9	Analyzing the Political Parties, Pressure Groups, Media
	SEMESTER-II, PAPER 2(Western Political Thought) 5 CREDITS
CO 1	Understanding main features of Greek Political thought and Plato's concepts of Justice and Communism and Aristotle's theory of state and Classification of constitutions
CO 2	Expose to the political thoughts of Father of Politics Aristotle & Plato.
CO 3	Analyzing the main features of Medieval Political thought in Europe.
CO 4	Able to differentiate between the style and features of various Political Thinkers.
CO 5	Understanding the Machiavelli Ideology.
CO 6	Discuss the social contract theory regarding the origin of state.
CO 7	Analyzing Hobbes as the Founder of Science of materialistic politics and Locke as the Founder of liberalism and Property and consent and Rousseau's General will.
CO 8	Assessing Hegel's theory of civil society and state
CO 9	Describing Bentham's Utilitarianism and Revisiting Utilitarianism by J. S. Mill.
CO 10	Describing Marxist theory of the State
	SEMESTER-III, PAPER 3, Indian Political Thought , 5 CREDITS
CO 1	Analysing Kautiltya's theory of Dandaneeti, Saptanga and theory of Diplomacy.
CO 2	Understanding Modern Indian Thought and analyzing the contribution of
CO 3	Raja Rammohan Roy to Indian liberalism.
CO 4	Discussing Jayaprakash Narayan's theory of party less Democracy.
CO 5	Analyzing B. R.Ambedkar's views on Democratic Government and Constitutionalism.
CO 6	Understanding Socialist Ideas of Jawaharlal Nehru
	SEMESTER-IV, PAPER 4 (Indian Government and Politics) 5 CREDITS
CO 1	Understanding Constitutional Development in India, brief overview of Nationalist Movement
CO 2	Evolution of Indian Constitution -1909 Act, 1919 Act, 1935Act. Philosophical Foundations of the Indian Constitution – Liberal, Gandhian, Socialist
CO 3	Examining Union Government – Executive; Legislature; Judiciary.

CO 4	Evaluating State Government - Executive; Legislature; Judiciary.
CO 5	Evaluating the Union- State Relations: Legislative, Administrative, Financial. Recent trends in
05	Union - State Relations
CO 6	Understanding the Electoral Politics in India.
co -	Understanding the Political Parties a) National: INC, BJP, CPM, BSP, Regional: DMK, Alkali
CO 7	Dal, TDP, TRS. Analyzing the Recent Trends in Party System
CO 8	Analyzing the Election Commission & Electoral Reforms, Issues in Indian Politics
	SEMESTER-V, PAPER 5 (Indian Political Thought) 5 CREDITS
CO 1	Analysing Ancient Indian Political Thought- Sources and Features
CO 2	Understanding the Manu's Philosophy - Varna dharma and Dandaneeti
<u>CO 3</u>	Evaluating Kautilya's Santanga Theory Stategraft Mandala Theory
05	The student understanding Gautama Buddha Ideology - Social and Political Ideas. Dhamma and
CO 4	Sangha
	And in the CM dam Indian Delitical The shit Dais Dam Mahan De Channe De sounds
CO 5	Analyzing of Modern Indian Political Thought, Kaja Kam Monan Roy ,Swamy Dayananda
	Saraswatni and Manatina Jyotni Rao Phule.
CO 6	Tracing the evolution of Indian Political Thought from ancient India to Modern India.
CO 7	Describing the movements against caste and untouchability, Ambedkar's views on Social Justice
	and the Depressed classes.
CO 8	Understanding the idea of R.M.Lohia on Democracy and Socialism.
CO 9	Grasping the thought of Jayprakash Narayan on Total Revolution.
	SEMESTER-V, PAPER 6 (International Relations) 5 CREDITS
CO 1	Define the avenues of International Relations.
CO 2	Achieve Competence in Diplomacy at International Level.
<u>CO 3</u>	Describe the terms Human Rights, Terrorism and Environmentalism.
<u>CO 4</u>	Define Security, Diplomacy, Disarmament and Human Rights.
CO 5	Analyzing the history of International Relation through the causes and phases of Colonialism.
CO 6	Knowing the impact of First World War and Second World War and its sources and consequences
<u>CO 7</u>	Criticizing the various ideology which lead to the destruction of world
	A cademic discipline Studying the role of Diplomacy Propaganda, and Military canabilities in the
CO 8	making of foreign policy
COQ	Describing the Cold War phases and understanding the post Cold War
CO 10	Analyzing the regional organization: EU ASEAN APEC SAARC NAFTA and NAM
S	EMESTER-VI. PAPER 7 (Financial and Material Resource Management) 5 CREDITS
CO 1	Understanding main features of Greek Political thought and Plato's concepts of Justice and
CO 1	Understanding main features of Greek Political thought and Plato's concepts of Justice and Communism and Aristotle's theory of state and Classification of constitutions.
CO 1 CO 2	Understanding main features of Greek Political thought and Plato's concepts of Justice and Communism and Aristotle's theory of state and Classification of constitutions. Expose to the political thoughts of Father of Politics Aristotle & Plato.
CO 1 CO 2 CO 3	Understanding main features of Greek Political thought and Plato's concepts of Justice and Communism and Aristotle's theory of state and Classification of constitutions. Expose to the political thoughts of Father of Politics Aristotle & Plato. Analyzing the main features of Medieval Political thought in Europe.
CO 1 CO 2 CO 3 CO 4	Understanding main features of Greek Political thought and Plato's concepts of Justice and Communism and Aristotle's theory of state and Classification of constitutions. Expose to the political thoughts of Father of Politics Aristotle & Plato. Analyzing the main features of Medieval Political thought in Europe. Able to differentiate between the style and features of various Political Thinkers
CO 1 CO 2 CO 3 CO 4	Understanding main features of Greek Political thought and Plato's concepts of Justice and Communism and Aristotle's theory of state and Classification of constitutions. Expose to the political thoughts of Father of Politics Aristotle & Plato. Analyzing the main features of Medieval Political thought in Europe. Able to differentiate between the style and features of various Political Thinkers Describing Main features of Renaissance thought and then Indian Political Contributions of

CO 6	Discuss the social contract theory regarding the origin of state.
CO 7	Analyzing Hobbes as the Founder of Science of materialistic politics and Locke as the Founder of
	liberalism and Property and consent and Rousseau's General will.
CO 8	Assessing Hegel's theory of civil society and state.
CO 9	Describing Bentham's Utilitarianism and Revisiting Utilitarianism by J. S. Mill.
CO 10	Describing Marxist theory of the State
	SEMESTER-VI, PAPER 8 (Contemporary International Relations) 5 CREDITS
CO 1	Understanding International Political Economy
CO 2	Define the Neo Colonialism: North South Dialogue, South – South Cooperation
CO 3	Understanding IBRD, IMF, World Trade Organization (WTO) and MNSs
CO 4	Describing International Security.
CO 5	Analyzing the Arms Race, Arms Control, Disarmament- Issues in Nuclear Politics.
CO 6	Emerging Areas in International Relations- A.Environment. B.Human Rights. C.Terrorism.
CO 7	Understanding the Foreign Policy. A. India's Foreign Policy- Determinants and Features, Issues,
07	Recent Trends. B. Non- Alignment: Evaluation, Relevance and Recent Trends
CO 8	Comparative study in the India's Bilateral Relations A.India and U.S.A. B.India and Russia

	GOVERNMENT DEGREE COLLEGE FOR WOMEN, NALGONDA
	COURSES AND THEIR OUTCOMES
	DEPARTMENT OF PUBLIC ADMINISTRATION
	SEMESTER-I, PAPER 1(Basics of public administration) 5 CREDITS
CO 1	To Understand meaning nature, scope and importance of public administration.
CO 2	To understand the Origin and evolution of public administration
CO 3	To Understand Public relation with other social sciences
CO 4	To understand the oriental approach
CO 5	To Understand the Classical theories of public administration
CO 6	To understand the human relations theories by various thinkers
CO 7	To understand Socio- psychological approaches by various thinkers
CO 8	To Understand the comparative public administration and development administration
CO 9	To understand the scientific management approach
60.4	SEMESTER-II, PAPER 2(Development Dynamics and Emerging trends) 5 CREDITS
	To understand administration in various societies.
<u>CO 2</u>	To understand public choice approach, New public management of public administration
CO 3	
	Understand the Concepts like public Policy, New public Management of public administration
CO 4	Understanding the concepts LPG and Good Governance
	SEMESTER-III, PAPER 3, 5 CREDITS
CO 1	To understand the historical evolution of the Indian Administration and the constitutional framework.
CO 2	Analyze the role of President, Prime minister, Council of ministers, Central Secretariat
CO 3	To understand Centre-state administrative relations, and all India services
CO 4	To understand the role of UPSC, Election commission, Comptroller and auditor general and NITI Aayog in Indian Administration
CO 5	Understanding the Role of public enterprises in Indian administration
	SEMESTER-IV, PAPER 4 (State Administration and Emerging) 5 CREDITS
CO 1	To understand Administrative history of state
CO 2	To understand the role of Governor, Chief minister, Council of Ministers, GAD
CO 3	understanding District Administration and Democratic decentralization
CO 4	Understand the Centre state agencies of police administration and its reforms.
CO 5	Understanding Control over Administration. Transparency, Accountability and Right To Information Act. Legislative and Judicial control over Administration.
	SEMESTER-V, PAPER 5 (Human Resource Management) 5 CREDITS
CO 1	Understanding the Nature, Scope, Importance of Human resource Management and Human resource planning
CO 2	Understanding the concepts of office Management, Compensation Management
CO 3	Understand Human resource development, training, performance appraisal and Total quality Management.
CO 4	Understand Employee Grievances, Voluntary retirement, Outsourcing and Consultancies and Skil development.

	SEMESTER-V, PAPER 6 (508/A Rural Local Governance) 5 CREDITS
CO 1	Understanding the evolution of local organizations and democratic decentralization.
COT	Reccomondations of BalwanthRaiMehtha and AshokMehtha
CO 2	Understanding the 73rd amendment act and role of Panchayats
CO 3	Understanding the structure of panchayat Raj and its finances
<u>co</u> 4	Understanding and analyzing the rural development programs, role of Cooperatives for rural
CU 4	development.
CO 5	Understand Basic services welfare measures in rural areas, and State control over Rural Local
05	Government
SE	CMESTER-VI, PAPER 7 (Financial and Material Resource Management) 5 CREDITS
CO 1	Understanding the Meaning, Nature, Scope and Importance of Financial Management
CO 2	Understanding the concepts, principles, preparation, Enactment of Budget
CO 3	Understand the structure of Finance ministry and functioning of different parliamentary
05	Committees.
CO 4	Understanding the Concepts of material management, procurement, inventory Storage.
	SEMESTER-VI, PAPER 8 (608/A:Urban local governance) 5 CREDITS
CO 1	Understanding the evolution of Unban Local bodies with reference to 74th amendment act.
CO 2	Understanding and analyzing the rural development Strategies, issues and Finances.
CO 2	Understanding the urban development authorities and the services and welfare measures in Urban
03	areas
CO 4	Understanding District Planning committee and Special Agencies for urban development.
CO 5	Understand, Voluntary agencies in rural development and Elimination of poverty Initiatives in
05	Rural and Urban Areas

	GOVERNMENT DEGREE COLLEGE FOR WOMEN, NALGONDA
	COURSES AND THEIR OUTCOMES
	DEPARTMENT OF HISTORY
	SEMESTER-I, PAPER 1(From Earliest Times to c.700 CE) 5 CREDITS
CO 1	It provides a base for understanding the Indianhistory
CO 2	Helps the student to understand the history of early India from the prehistoric times to the age of the Mauryas
CO 3	Emphasizes on the factors and forces behind the rise, growth and spread of civilization and culture of India along with the dynastichistory.
CO 4	To help the students to understand the contribution of Early Indians to polity, philosophy, literature, art, religion and science and technology
	SEMESTER-II, PAPER 2, History of India(700-1526 CE), 5 CREDITS
CO 1	Students will come to know consequences of the foreign invasions, particularly on the polity, society, economy and art andarchitecture.
CO 2	Students can acquire the knowledge on Arab Conquest, foundation of DelhiSultanate and Growth of Education and Literature – and the declineof Delhi Sultanate
	SEMESTER-III, PAPER 3, History of India (1526-1857 CE), 5 CREDITS
It provides the	knowledge to understand thefollowing
CO 1	Establishment of MughalDynasty
CO 2	Rise of Regional Powers - Marathas, Sikhs
CO 3	Rise of Princeley States – Hyderabad – Avad - Junagarh – Mysore – Kashmir
CO 4	Advent of EuropeanPowers
CO 5	Decline of Rural Cottage Industries and UrbanHandicrafts
CO 6	1857 Revolt – Nature, Causes and Results
	SEMESTER-IV, PAPER 4, History of India (1858-1964 CE), 5 CREDITS
It provides the	knowledge to understand thefollowing
CO 1	Queen'sProclamation
CO 2	Socio-Religions ReformMovements
CO 3	Factors for the Rise of Nationalism
CO 4	Revolutionary Movement
CO 5	Emergence of CommunalPolitics
CO 6	Jawaharlal Nehru and HisPolicies
SEMES	STER-V, PAPER 5, History of the Modern World (From 1453 CE to 1815 CE), 5 CREDITS
It provides the	knowledge to understand thefollowing
CO 1	Decline of Medieval Socio-Political, Religious, Economicconditions
CO 2	Rise of Capitalism
SEMESTER	R-V, PAPER 6, History and Culture of Telangana (From earliest times to 1724 CE), 5 CREDITS
It provides the	knowledge to understand thefollowing
CO 1	Pre-History of Telangana
CO 2	Brief Political Survey of Satavahanas, Ikshvakus, Vishnukundins, Medieval Telangana from Kakatiyas to QutbShahis
SEME	STER-VI PAPER 7 History of the Modern World (From 1815to1950 CE) 5 CREDITS

CO 1	To understand the contemporary world in the light of its backgroundHistory
CO 2	To become conversant with political history of ModernWorld
CO 3	To provide knowledge about the main developments in the Contemporary World (To understand to important development in 20th centuryWorld.)
CO 4	To gain knowledge about world concepts
CO 5	To enable students to understand the economic transition in World during the 20th Century and create awareness about the principles, forces, processes and problems of the recenttimes
CO 6	To impart the students with growth of various political movements thatshaped the modern world
CO 7	To bring to light the rise and growth of nationalism as a movement in different parts of the world
SEN	IESTER-VI, PAPER 8, History and Culture of Telangana (1724-2014 CE) 5 CREDITS
CO 1	Foundation of AsafJahiDynasty
CO 2	Political Developments in Hyderabad State 1900 to1942
CO 3	Anti-Nizam and Anti-Feudal Movements
CO 4	December 2009 Declaration and the Formation of Telangana State, June 2014

	GOVERNMENT DEGREE COLLEGE FOR WOMEN, NALGONDA
	COURSES AND THEIR OUTCOMES
SEM	DEPARTMENT OF COMMERCE
SEIVI	Est Ex-1, Financial Accounting – 1, Business Ofganization and Management, 10 CKEDITS
CO 1	final accounts of sole trader
	To acquaint the students with the basics of commerce and business concepts and functions, form
CO 2	of business organization and functions of management
	SEMESTER-II Financial Accounting II Rusiness Laws 10 CREDITS
CO 1	To acquire accounting knowledge of bills of exchange and other business accounting methods.
CO 2	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.
	CEMECTED III ALL DADED 2 20 CDEDITO
<u>CO 1</u>	To movide a basic understanding of the Insurance Machanism
	Identify the relationship between Insurers and their Customers and the importance of Insurance
CO 2	Contacts.
CO 3	Give an overview of major Life Insurance and General Insurance Products
CO 4	To acquire accounting knowledge of partnership firms and joint stock companies
CO 5	To provide the knowledge of various accounting concepts
CO 6	To impart the knowledge about accounting methods, procedures and techniques.
CO 7	To acquaint students with practical approach to accounts writing by using software package and
CO A	by learning various accounts
08	To incurcate analytical and computational ability among the students
CO 9	To acquire the conceptual and legal knowledge about income Tax provisions relating to
CO 10	Students will be versed in the fundemental concents of Auditing and different concerts of tay
	Students will be versed in the fundamental concepts of Auditing and different aspects of tax.
CO 11	Students can understand Income Tax system properly, and can get the knowledge of different
	tax provisions.
	To give knowledge about preparation of Audit report, Submission of Income Tax Return,
CO 12	Advance Tax, and Tax deducted at Source, Tax Collection Authorities under the Income Tax Act,
CO 13	To have exposure to the entrepreneurial culture, development and business ethics to set up and
<u>CO 14</u>	manage small units.
CO 14 CO 15	To develop entrepreneurial awareness among students.
CO 15	I o motivate students to make their mind set for thinking entrepreneurship as career
	CEMECTED IV. ALL DADEDC 20 CDEDITC
CO 1	To make the student understand Life Insurance Market in India
$\frac{COI}{CO2}$	To discuss the issues related to risk management in view of life insurance.
	To acquire the knowledge of AS-14 and preparation of accounts of banking and insurance
CO 3	companies.
	This course aims to enlighten the students on the accounting procedures followed by the
CO 4	Companies.
1	

CO 5	Student's skills about accounting standards will be developed.
CO 6	To make aware the students about the valuation of shares.
CO 7	To impart knowledge about holding company accounts, amalgamation, absorption and reconstruction of company.
CO 8	To inculcate analytical and computational ability among the students.
CO 9	to acquire the conceptual and legal knowledge about Income Tax provisions relating to computation of Income from different heads with reference to an Individual Assessee.
CO 10	To acquire knowledge and techniques of Financial Statements Analysis
<u> </u>	SEMESTER-V, ALL PAPERS, 30 CREDITS
	To give an overview of major General Insurance Products.
$\frac{\text{CO2}}{\text{CO2}}$	To provide an overview of Indian Economy.
$\frac{003}{004}$	To make the student acquaint with the latest developments in the economy.
C04	To make the students acquire the knowledge of cost accounting methods.
COS	Providing knowledge about difference between financial accounting and cost accounting
COT	Ascertainment of Material and Labor Cost
$\frac{007}{008}$	Ascertainment of Material and Labor Cost.
	To make the standard service the basic service of the basic service of the servic
CO 9	Business.
CO 10	To impart students with the knowledge of fundamentals of Company Law and provisions of the Companies Act of 2013.
CO 11	To apprise the students of new concepts involving in company law regime.
CO 12	To acquaint the students with the duties and responsibilities of Key Managerial Personnel.
CO 13	The student will well verse in basic provisions regarding legal frame work governing the business world.
CO 14	To know the students with the basic concepts, terms & provisions of Mercantile and Business Laws.
CO 15	To develop the awareness among the students regarding these laws affecting trade business, and commerce.
CO 16	To acquire the knowledge of the working of the Indian Banking system.
CO 17	To familiar the students with the fundamentals of banking and thorough knowledge of banking operations.
CO 18	To build up the capability of students for knowing banking concepts and operations.
CO 19	To make the students aware of banking business and practices.
CO 20	To make understandable to the students regarding the new concepts introduced in the banking system.
CO 21	To acquire basic knowledge in the computerised accounting systems and its applications in the area of business.
CO 22	To become familiar with various business documents and acquire practical knowledge, which improve over all skill and talent.
CO 23	Students will be versed in the fundamental concepts of Auditing.
CO 24	To give knowledge about preparation of Audit report
CO 25	To make the student acquire the knowledge of provisions and application of Indian Accounting Standards
	SEMESTER-VI, ALL PAPER, 39 CREDITS

CO 1	To equip the students with the knowledge regarding Insurance Business Regulations
CO 2	To equipment the students with the knowledge regarding Basics of Indian Economy.
	To understand the legal provisions applicable for establishment- management and winding up of
CO 3	companies in India.
	To understand the meaning and elements of auditing and gain the knowledge of execution of
CO 4	audit.
CO 5	To equipment the students with the knowledge regarding Theory and Practice of GST.
	To understand about filling of Banking vouchers, insurance documents and registration of
CO 6	businesses.
CO 7	To familiarize with various Financial Institutions and Markets.
CO 8	Enable the students with Financial Markets and its various segments.
	To give the students and understanding of the operations and developments in financial markets
CO 9	in India.
CO 10	To gain knowledge of AS-19 & 21 and format accounts.
CO 11	To acquire conceptual and application knowledge of ecommerce.
CO 12	To know about the Management Information System

	GOVERNMENT DEGREE COLLEGE FOR WOMEN, NALGONDA
	COURSES AND THEIR OUTCOMES
	DEPARTMENT OF ENGLISH
	SEMESTER-1: PAPER 1- 4 CREDITS
CO1	Read, understand, interpret a variety of written texts
CO2	Undertake guided and extended writing using appropriate vocabulary and correct grammar
CO3	Listen with comprehension and speak with confidence in both formal and informal contexts with reasonable fluency and acceptable pronunciation
CO4	Become employable with requisite professional skills, ethics and values.
	SEMESTER-2: PAPER 2- 4 CREDITS
CO1	Read, understand, interpret a variety of written texts
CO2	Undertake guided and extended writing using appropriate vocabulary and correct grammar
CO3	Listen with comprehension and speak with confidence in both formal and informal contexts with reasonable fluency and acceptable pronunciation
CO4	Become employable with requisite professional skills, ethics and values.
	SEMESTER-3: PAPER 3- 3 CREDITS
CO1	Read, understand, interpret a variety of written texts
CO2	Undertake guided and extended writing using appropriate vocabulary and correct grammar
CO3	Listen with comprehension and speak with confidence in both formal and informal contexts with reasonable fluency and acceptable pronunciation
CO4	Become employable with requisite professional skills, ethics and values.
	SEMESTER-4: PAPER 4- 3 CREDITS
CO1	Read, understand, interpret a variety of written texts
CO2	Undertake guided and extended writing using appropriate vocabulary and correct grammar
CO3	Listen with comprehension and speak with confidence in both formal and informal contexts with reasonable fluency and acceptable pronunciation
CO4	Become employable with requisite professional skills, ethics and values.

	GOVERNMENT DEGREE COLLEGE FOR WOMEN, NALGONDA
	COURSES AND THEIR OUTCOMES
	DEPARTMENT OF HINDI
	SEMESTER-1: PAPER 1 (GadyaDarpanKatha sindhu)- 4 CREDITS
CO1	To make students understand the value of literature.
CO2	Help students develop good reading writing comprehending skills
CO3	To make them learn life skills and human values and ethics through good essays and prose lessons.
	SEMESTER-2: PAPER 2 (GadyaDarpanKatha sindhu)- 4 CREDITS
CO1	Enabling the students todevelop grammar skills
CO2	Toenable the students to understand the value of life ,good deedsandstart looking at the world with total positive and humanistic approach.
	SEMESTER-3: PAPER 3 (Kavya nidhiHindi sahitya ka itihaas) - 3 CREDITS
CO1	Enabling the students to enjoy good poetry and understand the rich heritage of Hindi literature.
CO2	Developing creative literary skills in students
	SEMESTER-4: PAPER 4(Kavya nidhiHindi sahitya ka itihaas)- 3 CREDITS
CO1	To make students understand the importance of old and new literature and the vital role played by literature in moulding ones personality.
CO2	To make students develop good translation and communication skills to face challenges of todays competitive world

COURSES AND THEIR OUTCOMES
DEPARTMENT OF TELUGU
SEMESTER-1: PAPER 1 (Sahiti Manjeera)- 4 CREDITS
Students can enjoy all the essays and improves literary skills
Students can learn all the grammar skills
Differentiate the methods of old and modern poetry thoughts.
Understand the culture of oldØ society and comparison with modern trends.
SEMESTER-2: PAPER 2 (Sahiti Manjeera)- 4 CREDITS
Students will be able to improve comprehensive skills as well as advanced grammar skills
Students can understand the values of literature
Differentiate the methods of old and modern poetry thoughts.
Understand the culture of old society and comparison with modern trends
SEMESTER-3: PAPER 3 (Sahiti Kinnera) - 4 CREDITS
The anthology contains selected literary pieces offering glimpses of life and world from different
perspectives
Students will be able to make use of grammar skills when they face competitive exams
Differentiate the methods of old and modern poetry thoughts.
Understand the culture of old society and comparison with modern trends
SEMESTER-4: PAPER 4(Sahiti Kinnera)- 4 CREDITS
Students will be able to improve human values by following the given anthology.
Students can improve prosody and grammar skills
Differentiate the methods of old and modern poetry thoughts.
Understand the culture of old society and comparison with modern trends.