

PROGRAM OUTCOMES OF BACHELOR OF SCIENCES (B Sc)

PO1.B.Sc Program enable the students to take up the advances in science course subjects.

PO2. The main goal is to develop a deeper understanding of natural laws, inquiring about the reasons and logics which mould them through established methods of observation, modeling, experimentation and calculations.

PO3. Solve the problem and also methodically, independently and draw a logical conclusion.

PO4. Demonstrate, solve and understanding of major concepts in all disciplines.

PO5. Employ the critical thinking and the scientific knowledge to design, carry out, record and analyze the results.

PROGRAM SPECIFIC OUTCOMES:

PSO1. Gain the knowledge of science through theory and practicals.

PSO2. Make aware and handle the sophisticated instruments/equipments and understanding the good laboratory practices with safety.

PSO3.To inculcate the scientific temperament in the students by using the modern techniques with the updated knowledge.

PSO4. . Creating awareness is the major impact of course subjects on the environment, society and development outside the scientific community.

PSO5. This makes a B.Sc degree very important weapon in your arsenal and opens the gateway of opportunities for further studies, research as well as employment across the world.

COURSE OUTCOMES OF THE CHEMISTRY:

After completion of three years degree students should be able to:

SEMESTER-I

PAPER-I

CO1. Know the Hybridization and shapes of molecules. Molecular orbital energy level diagrams of different molecules and ions along with bond order, stability and magnetic properties.

CO2. General characteristics of group III, IV & V elements. Synthesis of Diborane, carbides, nitrides, silicones, hydrazine and hydroxyl amine along with their properties and structure.

CO3. Understand the Bond polarization, Inductive effect, Mesomeric effect and Hyper conjugation with applications.

CO4. Knowing Preparation and properties of Alkanes, Alkenes, and Alkynes. Stability of Cycloalkanes through Bayer's Strain Theory.

CO5. Study of Preparation and electrophilic substitution reactions in aromatic compounds, Benzene. Ortho, para, meta directing ring activating and de-activating groups in substitution reactions.

CO6. Knowing about Atomic structure and elementary quantum mechanics.

CO7. Differences of Physical states. How the real gases are different from Ideal gases according to gas laws.

CO8. Analyze Structure of liquids. Determination of Surface tension and Viscosity.

CO9. Study of general principals of Inorganic qualitative analysis.

CO10. Difference between conformational and configurational isomerism. Study of constitutional and stereo isomers with classification.

Laboratory CO11: Qualitative Analysis – Semi micro analysis of mixtures.

SEMESTER-II

PAPER-II

CO1: Study of Oxides, Oxy acids, Inter halogens compounds and Pseudo halogens.

CO2: Know the structure of Xenon compounds, Clathrate compounds

CO3: Study of Characteristics of d-block elements and triads.

CO4: Classification, study of preparation and properties of alkyl halides, Hydroxy compounds, Ethers and Carbonyl compounds.

CO5: Make aware of Arrhenius theory, Ostwald's dilution law, and Debye-Huckel-Onsagar's equation. Study of Electrochemical and Galvanic cells. Significance applications of EMF.

CO6: Understand the theory of Quantitative Analysis.

CO7: Understand the Stereo isomerism, D,L and R,S- configurations with examples.

CO8: Understand the Colligative properties of dilute solutions. Study of relative lowering of vapour pressure, Elevation of boiling point, Depression of Freezing point and Osmotic pressure.

Laboratory CO: Quantitative Analysis of Acid-base, Redox and Complexometric Titrations.

SEMESTER-III

PAPER-III

CO1: Study and Differences between the Lanthanides and Actinides.

CO2: Study of the Coordination complexes. Learn the Werner's theory, Valence bond theory and Isomerism in Coordination compounds.

CO3: Know the preparation and properties of metal carbonyls and classification of Organ metallic compounds.

CO4: Understand the preparation and properties of Carboxylic Acids and their derivatives

CO5: Understand the preparation and properties of Nitro hydrocarbons, Amines, Cyanides and Isocyanides.

CO7: Learn the acidic nature of active α -hydrogen of Carbanion in different chemical reactions.

CO8: Define the terms – Phase, Component and Degrees of freedom. Study of Water system, Pb-Ag system and Mg-Zn system.

Laboratory CO: Quantitative Analysis of Acid-base, Redox and Complexometric Titrations.

SEMESTER-IV

PAPER-IV

CO1: Knowing the Crystal field theory and splitting of d-orbitals in Octahedral, Tetrahedral, Square planar complexes.

CO2: Study of significance of essential elements and structure of Hemoglobin, Chlorophyll.

CO3: Classification of Carbohydrates and study of Glucose and Fructose. Interconversions of Monosaccharides.

CO4: Knowing the classification and methods of preparation of alpha amino acids. Concept of structure and nomenclature of peptides.

CO5: Study of heterocyclic compounds – Furan, Pyrrole, Thiophene and pyridine.

CO6: Derivation of rate constant equations of Zero order, First order and second order reactions. Relation between the Half life period and rate constant.

CO6: Make aware of Types of Pericyclic reactions, Retro synthesis and Asymmetric synthesis.

Laboratory CO: Qualitative analysis of Organic compounds.

SEMESTER-V

Paper-V:

CO1: Knowing the Crystal field theory and splitting of d-orbital in Octahedral, Tetrahedral, and Square planar complexes. Determination of composition of complexes – Job's method.

CO2: Define Clusters. Structures of Boranes and Carboranes.

CO3: Understand the preparation and properties of Nitro hydrocarbons, Amines, Cyanides and Isocyanides.

CO4: Study of heterocyclic compounds – Furan, Pyrrole, Thiophene and Pyridine.

CO5: Derivation of rate constant equations of Zero order, First order and second order reactions. Relation of Half life period with rate constant.

CO6: Make aware of Molecular spectroscopic methods – Microwave, Infrared and UV Visible spectroscopic methods.

CO7: Study of Photochemical reactions, laws of photo chemistry. Jablonski diagram, Fluorescence and Phosphorescence.

Laboratory CO: Synthesis of Organic compounds

PAPER-VI:

ELECTIVE – A: INSTRUMENTAL METHODS OF ANALYSIS

CO1: Learn the solvent extraction methods and different chromatographic techniques.

CO2: Knowing about the Colorimetry and Spectrophotometry. Spectrophotometer instruments and applications of colorimetry.

CO3: Study of different Electroanalytical methods – Potentiometry, Voltametry and Conductometry methods.

Laboratory CO: knowing about Experiments in Distribution law, Electrochemistry, Colorimetry and demonstration of Surface tension and Viscosity.

SEMESTER-VI

PAPER-VII

CO1: Difference in Labile and Inert complexes. Kinetic stability of complexes based on VBT & CFT. Study of ligand substitution reactions.

CO2: Study of significance of essential elements and structure of Hemoglobin, Chlorophyll.

CO3: Understand the concept of Pearson theory of hard and soft Acid, Bases. HSAB principles and stability of compounds based on the theory.

CO4: Classification of Carbohydrates and study of Glucose and Fructose. Interconversions of Monosaccharides.

CO5: Knowing the classification and methods of preparation of alpha amino acids. Concept of structure and nomenclature of peptides.

CO6: Thermodynamics-I: First law and second law of thermodynamics. Concept of Enthalpy, Internal energy. Derivation of Kirchhoff's equation, efficiency of heat engine by Carnot's cycle

CO7: Study of Proton magnetic resonance spectroscopy and Mass Spectroscopy.

Laboratory CO: Performing the Qualitative and spectral Analysis of organic compounds.

PAPER-VIII-ELECTIVE A: MEDICINAL CHEMISTRY

CO1: Knowing the terminology in medicinal chemistry and differentiating the diseases.

CO2: Study of concepts of Enzymes and Receptors. Specificity of enzyme action, concepts of agonists and antagonists.

CO3: Study of synthesis and therapeutic activity of Chemotherapeutics, drugs for metabolic disorders and nervous disorders.

CO4: Study of Molecular messengers-hormones and neurotransmitters drugs. Knowing the health promoting drugs.

Laboratory CO: Performing experiments physical chemistry-kinetics, Potentiometry, P^H metry and conductometry.

NTR GOVERNMENT DEGREE COLLEGE FOR WOMEN, MBNR

DEPARTMENT OF COMMERCE

PROGRAMME OUTCOMES: 20CO19-20

PROGRAMME OUTCOMES OF BACHELOR OF COMMERCE (B.COM.) C.A. & GEN.:

PO CO1: Students acquires thorough knowledge of finance and commerce

PO 2: By applying practical aspects students may emerge as Entrepreneurs

PO 3: Students can independently come up with their own startups.

PO4: A number of specializations in commerce curriculum would equip the students to face the modern-day challenges in global era.

PO5: The Inclusive outlook of the commerce course offers a number of job oriented & employability skills.

PROGRAM SPECIFIC OUTCOMES:

POSCO1: Builds professional competence in students to meet the industry needs in the present competitive world.

POS2: Students may also acquire practical skills to work as tax consultant, audit assistant and other financial supporting services.

POS3: Students will be able to provide proficiency with the ability to engage in competitive exams like CA, CS, ICWA and other courses.

POS4: Encourage the students to pursue higher education in commerce education and also in the area of research and development.

POS5: Students will gain thorough systematic and subject skills within various disciplines of commerce, business, accounting, economics, auditing and banking.

COURSE OUTCOMES OF COMMERCE:

After completion of three years degree course students should be able to:

SEMESTER-I:

FINANCIAL ACCOUNTING-I:

CO1: To record the basic journal entries.

CO2: Memorize how to calculate depreciation by applying various methods

CO3: maintain the financial statements of a business entry.

CO4: Rectify errors in accounts.

BUSSINESS ORGANIZATION AND MANAGEMENT:

CO1: Apply conceptual learning skills in today's business environment.

CO2: Analyze financial performance of an organization.

CO3: Evaluate organizational decisions with consideration of the political, legal and ethical aspects of business.

CO4: Assess strengths, weakness, opportunities and threats of the business environment.

SEMESTER-2

FINANCIAL ACCOUNTING-2:

CO1: To record the basic journal entries.

CO2: Memorize how to calculate depreciation by applying various methods.

CO3: Maintain the financial statements of a business activity.

CO4: Rectify errors in accounts.

BUSINESS LAW:

CO1: Analyze business laws applicable to present corporate world.

CO2: Discussion on consumer protection Act-CO1986 and Foreign Exchange Management Act-2000(FEMA).

CO3: Apply the principle of international business and strategies adopted by forms to expand globally.

SEMESTER-3**PRINCIPLE OF INSURANCE:**

CO1: Provide basic understand of the insurance mechanism.

CO2: Identify the relationship between insurers and their customers and importance of Insurance Contacts

CO3: Overview of major Life Insurance and General insurance Products for present Global world.

PRACTICE OF LIFE INSURANCE:

CO1: Understanding of Principles and Growth of Life Insurance

CO2: Overview of Life Insurance Policies and terms

CO3: Analysis of Mutual Funds, Capital markets and Taxation

CO4: Explanation of how Insurance Policies benefit to the customers

ADVANCED ACCOUNTING:

CO1: To gain knowledge of Partnership firms and Joint Stock Companies

CO2: Knowledge on Shares, Debentures and Underwriting

CO3: Overview on SEVI Guidelines for issue of Bonus Shares.

BUSINESS STATISTICS-I:

CO1: Ability to interpret statistical analysis tools commonly used in the work place.

CO2: Ability to critically evaluate standard business report including the graphics, probability statements.

CO3: Use of excel for basic data manipulation, and simple statistical, graphical analysis.

INCOME TAX:

By the end of the course students will be able to describe how the provisions in the corporate tax laws can be used for tax planning. Students of the course will be able to explain different types of incomes and their taxability and expenses and their deductibility. Students who complete this course will be able to learn various direct and indirect taxes and their implication in practical situations. Students of the course will be able to state the use of various deductions to reduce the taxable income.

SEMESTER-4

CORPORATE ACCOUNTING:

CO1: Understanding of the regulatory environment in which companies are formed and *operate in Australia*.

CO2: Accounting and reporting requirements of Corporation Act and Relevant Accounting Standards Board (AASB) Accounting Standards.

BUSINESS STATISTICS-2:

CO1: Ability to interpret statistical Analysis tools commonly used in the work place.

CO2: Ability to critically evaluate a standard business report including graphics, probability statements.

CO3: Use of Excel for Basic data Manipulation simple statistical and graphical Analysis.

INCOME TAX-2:

By the end of the course students will be able to describe how the provisions in the corporate tax laws can be used for tax planning. Students of the course will be able to explain different types of incomes and their taxability and expenses and their deductibility. Students who complete this course

will be able to learn various direct and indirect taxes and their implication in practical situations. Students of the course will be able to state the use of various deductions to reduce the taxable income.

SEMESTER-5

COST ACCOUNTING:

CO1: Explanation on Cost Accounting systems.

CO2: Analysis on purpose of Cost Accounting.

CO3; Concepts of cost, expense, loss and Revenue.

CO4: Explains relationship between cost and Financial Accounting.

CO5: Prepare production cost statement and cost of goods sold statement.

BUSINESS LAW:

CO1; Participation

CO2: Case study Analysis.

CO3: Individual or Group Projects.

CO4: Presentations.

CO5: Completion of Assessment Examinations

BANKING THEORY AND PRACTICE:

CO1: Discuss the impact of Government Policy and regulations on the banking industry.

CO2: Evaluate the performance of the banking industry.

CO3: Discuss bank lending policies and procedures.

AUDITING:

CO1: Discuss the need for an independent or External Audit.

CO2: Describe the role of the assurance provider in modern Business Society.

CO3: Describe the quality, control procedures necessary to ensure that a competent assurance engagement is performed.

CO4: Apply Professional Ethics including code of conduct to specific scenario.

COMPUTERISED ACCOUNTING:

CO1: Explanation on Company Features and Configurations.

CO2: Analysis on Inventory masters and Stock group.

CO3: Over view an Accounts, Payables and Receivable.

CO4: Discussion on Trial Balance, Balance Sheet, Profit and Loss Account.

ACCOUNTING STANDARDS:

CO1: Accounting standards Attains uniformity in Accounting

CO2: Accounting standards improves Reliability of Financial Statements.

CO3: Explanation on prevention of Frauds and Accounting Manipulations.

CO4: Determining managerial Accountability.

SEMESTER-6

MANAGERIAL ACCOUNTING:

CO1: Objectives of managerial Accounting, Relationship between cost management and Financial Accounting.

CO2: Explanation of marginal costing and Absorption Costing.

CO3: Objectives and Essentials of Budgets, Budgetary Control and Classification of Budgets.

COMPANY LAW:

CO1: Overview of legislation on Companies Incorporation and Promotion.

CO2: Analysis on Corporate social responsibility and Corporate Government.

CO3: Duties and Liabilities of company secretary in practice.

FINANCIAL INSTITUTIONS AND MARKETS:

CO1: Explanation of Indian Financial System and how it affects Economic Development.

CO2: Analysis on type and Functions of Commercial Banks.

CO3: Functions and organization of Monetary Market Knowledge on Repo and Reverse Repo.

COMMERCE LAB:

CO1: Commerce lab required to provide lab containing all the documents related to commerce and facilities as computer, printer, OHP, co projector.

CO2: Teachers should practically explain the documents to students.

CO3: Students should gain the knowledge of filling the above documents.

ADVANCED CORPORATE ACCOUNTING:

CO1: Overview on Legal requirements, capital and Revenue profit or Reserves (or) losses.

CO2: Analysis on Double Account system, Final Accounts, Replacement of an Asset.

CO3: Explanation on Human resource Accounting and social responsibility Returns.

Course Outcomes of the English Language

III, IV, V SEMS & VI

Ever since English has been established as lingua franca i.e Universal common language across the globe.

The need of English as second language has become vital for both the academic as well as employability among the third world countries.

English as a second language taught at U.G level in all six semester. The outcome of English language teaching is to provide linguistic competence necessarily required in various real life situations through reinforcing and reviewing the basic language skills LSRWs.

Of lesson : "The curb in the sky" of James Thurber students will enrich in English language usage , though humors narration of the fiction.

While in the aspect of soft skills students will enable to get motivated as well as knows the importance of goal seating in one's life.

Of lesson : "Happy people" of William Ralph Inge students will understand the critical appreciation of how, married and unmarried people, and of how young and old people happen to be in the analogy of happy people.

Of review of monophthongs students will get familiarize with IPA.

Of lesson : "A Psalm of Life" by Henry Wards worth Long fellow student will be able to appreciate and acknowledge the folder movements in one's life.

Homonyms, homograph, homophones aspects will enrich the active vocabulary of the students in the aspect of soft skills students will be able to appreciate Non verbal communication.

Of lesson : "The Dear Departed" of Stanley Houghton students do enjoy the language drama, where, of how in the present day, human values have been devoid due to economical compulsions.

Of the aspect of soft skill students enhance their inter personal skills such as 'values' and the importance of 'faith'.

Of lesson : "A visit of charity" by Eudora Welty student will understand of how younger generations are being seared of old age people.

Of the aspect of soft skill students will be able to understand the importance of "Time Management".

Of lesson : "Benaras" of Aldous Huxely students will get critical appreciation of how an event of 'Eclipse'.

Could gives us the opportunity of uniting the people of India, to fight for freedom.

Of figures of speech Simile, Metaphor, Oxymoron and Hyperbole, students will develop interest towards English literature..

Of poem "Stanzas written in Dejection" of Percy Bysshe Shelley, Students will get the critical appreciation of how, the mental mood of the poet will get co-related with the beautiful scenery on the bank of Naples.

Of Drama "Julius Caesar" of William Shakespeare students will get appreciation of values among Royal people, happened to play a vital role in attainment of kingdom in those days.

Of the aspect of soft skill student will enable to learn and appreciate the importance of 'Etiquette and grooming in day to day life.

Of poem 'Life' of Charlotte Bronte, students will know the critical appreciation of sorrows and clouds of gloom could be dispelled with an aspect of courage in one's life.

Of short story 'A Wrong Man in Worker's Paradise' of Rabindranath Tagore, students will able to understand how a piece of art is helpful in the pursuit of beauty.

Prepositions and Prepositional Phrases are trucks for both communicative English as well as writing skills. Students will enrich their language usage of the prescribed prepositional phrases in the text.

Of Poem 'Punishment in KinderGarten' of Kamala Das, students will able to understand how sensitive mind of children be effected with conventional behavior of the teachers.

Of 'Toasted English' of R.K. Narayan, students do get the analysis of how British English distinguishes with American English.

Of vocabulary of 'British and American' words, students will be updated in the aspect of active vocabulary.

Of poem 'As I Grew Older' of Langston Hughes, students will get critical appreciation of how a dream will be realized amidst social discrimination.

Of 'Grammar of Anarchy' of B.R.Ambedkar, students will get realize the very spirit of Indian freedom and Indian Constitution and the elements that happen to challenge in a democracy.

Of 'Phrasal Verbs', students will be able to build correct forms of sentences.

Of 'Kinds of Essay Writing', students will get comprehensive practice of essay and will enhance their ability of writing skill.

Of 'Idioms', students will get enriched the beauty of English language.

Of 'Report Writing', students will get used to report writing and could help in pursuing a career in English newspapers as such.

Of 'Technical Vocabulary' and 'Reported Speech' students will get used to news reading and would also help in pursuing a career as English newspapers.

Of Poem 'The Flower' of Alfred Lord Tennyson, students will get critical appreciation of how a new thing or a new idea in the society will get opposition and create obstacles as such.

Of 'The Kite Maker' of Ruskin Bond, the students will get critical appreciation of reminiscence of a grandfather and of how kite making has become an outdated skill of employability.

Of Poem 'Ecology' of A. K. Ramanujan, students will get critical appreciation of how flowering plants need to be protected for the sake of future generations.

Of 'What's the Language Of The Future?' of Henry Hitchings, students will understand of how English language established itself as Lingua Franca.

Of 'Indianisms', students will get used to the special vocabulary of Indians and will be able to contemplate them.

Of Poem 'Television' Roald Dahl, students will get critical appreciation of how Television is mooring the abilities of tender brains of children and of how creativity of children is seen frozen watching to it.

Of 'Fringe Benefits of Failure and The Importance of Imagination' of J. K. Rowling, students do realize the importance of imagination in exhibiting creativity and how failures in one's life will help in succeeding the ladder achievement.

Of 'Review Writing', students will get used to

Film review, Book review of their cherished films and books.

Of 'Conditionals' students will enrich the ability of writing and speaking skills

Of CV writing students will get used to Chronological CV and Functional CV.

Of 'Appropriacy' students will enrich their abilities of writing as well as communication.

Of 'Common Errors' students will overcome the pit falls in English Grammar Usage.

Course Outcomes of the Telugu Language

Telugu is a richest and sweetest language. It is called as Italian of the east. It is thought as a second language at UG level in four semesters. The Outcome of telugu language teaching is to give language based knowledge and skills to the pupil. To ventilate them in the present day demands of telugu language proficiency in the fields of information technology, telugu journalism in print& electronic media and script writing ect.,. The students can opt for their higher studies in telugu up to Ph.D. also as an optional subject in state and central civil services after completing the course at UG level.

Sem-I

The course out come at UG level is to learn the old forms of prose and classical poetry. Introduction of telugu literature poems, prose, drama, grammar, sentence forms etc., are taught to expertise the students in various forms of telugu literature. And also students can develop their vocabulary and literary terminology.

Sem-II

In this level the course outcome is to learn the new forms of poetry and prose. In modern poetry various forms are taught, they are novel, short story, essays ect., students can know about grate telugu poets.

Sem-III

The course out come at this level is to known the old forms of prose and poetry. Drama, novel, grammar, meter, are taught. Letter writing, translation, paragraph writing, essay writing, are taught.

Sem-IV

In this IV semester students can understand and write poetry. Also they can know the richness of telugu literature. In this level students learn short stories(Katha nika), auto biography, essays, travelogue, and pilgrim's progress and ballads.

In all these semesters pupil come to know about some of our Telangana poets. Earlier it was ignored. This curriculum contains human values, morals, personality development, women empowerment, renunciation attitude, hard work nature, social awareness, political awareness, language skills (Listening, Speaking, Reading, Writing) will get.

By learning grammar students will gain command on language and literature. So that they can write and speak thoroughly without grammatical mistakes. Students can overcome stage fear, for it so many practices can be made.

By studying prose text (non-detail) the students will learn self-respect, patriotism, dignity of labor and etc,

Course Outcomes Urdu

Urdu is taught as second language at UG level in all six semesters. The outcome of Urdu language teaching is to provide language based knowledge and skills to the students in Urdu to shape them in the present day demands of Urdu language proficiency in the fields of Information Technology, Urdu DTP, Journalism in Print and Electronic media and script writing etc. The students can opt for higher studies in Urdu up to Ph.D. and Urdu as special subject in IAS and various courses after completing the course at UG level.

Semester I:

The course outcome at this level is to learn the old forms of prose and poetry. Introduction of Urdu literature, Urdu Ghazal, forms of Urdu prose Hikayat, Drama, Inshaiyah ,Safarnamaetc are taught to expertise the students in various forms of Urdu Prose and Poetry. Students will learn the deep meaning of Ghazal, famous poets like QuliQutubShah,Wali,Siraj and Meer Taqi Meer.

Semester II:

The course outcome at this level is to learn the new forms of prose and poetry. The Ghazals of Aatish, Ghalib, Hali and Maqdoom are taught. Introduction to Urdu Nazm and poems of Hafeez Jalandhari, Sahir Ludhyanvians Shaz Tamkanat are taught. In Prose biography of Ghalib, humorous article of Mushtaq Ahmed Yusufi and sketch of Suleman Areeb is taught. Students can have the knowledge of Ghazal, Nazm Urdu essays etc and they can write their own poetry and prose.

Semester III:

The course outcome at this level is to learn the old forms of prose and poetry. The old poetry forms Mathnavi, Qaseeda and the old prose forms Dastan, Novel and Inshaiyah are taught. Students can get awareness about the old patterns of Urdu language and by learning these forms they can write creative writings in these forms.

Semester IV:

The course outcome at this level is to learn the old forms of prose and poetry. The old poetry forms of Marsia, Qaseeda, Rubiyaat, Qata are taught. In prose students can learn general essay, Humorous essay and reportage. These forms of prose and poetry are helpful to students to learn the art of poetry and essay and creative writings.

Semester V:

The course outcome at this level is to learn the skill based knowledge of Urdu in Mass Media, Print and Electronic Journalism and art of Urdu Journalism. This skill based knowledge is helpful to the students to involve in job oriented activities during the studies and in practical life.

Semester V:

The course outcome at this level is to learn the skill based knowledge of Urdu in computers, Urdu DTP and designing, Art of Translation etc. These technical usage of Urdu language in computers and information technology is the present day demand and students will be skilled with these special subjects in Urdu.

Department of computer Science

Computer Science (CS) has been evolving as an important branch of science and engineering throughout the world in last few decades Computer science is a discipline that spans theory and practical. Now a days, practically everyone is a computer user, and many people are even computer programmers. The ever-evolving discipline of computer science also has strong connections to other disciplines. Many problems in science, engineering, health care, business, and other areas can be solved effectively with computers,

Computer science has a wide range of specialties. These include Computer Architecture, Software Systems, Graphics, Artificial Intelligence, Computational Science, and Software Engineering.

Computer Science education at undergraduate level (+3) will result in earning a Bachelor of Science (BSc) degree in CS. The coursework required to earn a BSc is equally weighted in mathematics and science. BSc in CS are aimed at undergraduate level training facilitating multiple career paths. Students so graduated, can take up postgraduate programmes in CS leading to research as well as R&D, can be employable at IT industries, or can adopt a business management career. BSc with CS aims at laying a strong foundation of CS at an early stage of the career along with two other subjects such as Physics, Maths, Electronics, Statistics etc. There are several employment opportunities and after successful completion of an undergraduate programme in CS, graduating students can fetch employment directly in companies as Web Developer, Software Engineer, Network Administrator, Data Scientist, or AI/ML personnel.

- To develop an understanding and knowledge of the basic theory of Computer Science and Information Technology with good foundation on theory, systems and applications such as algorithms, data structures, data handling, data communication and

computation.

- To develop the ability to use this knowledge to analyse newsituations
- To acquire necessary and state-of-the-art skills to take up industry challenges. The objectives and outcomes are carefully designed to suit to the above-mentionedpurpose.
- The ability to synthesize the acquired knowledge, understanding and experience for a better and improved comprehension of the real-lifeproblems

Programme Specific Outcome (BScwith Computer Science)

1. Fundamental understanding of the principles of Computer Scienceand its connections with otherdisciplines
2. Procedural knowledge that creates different types of professionals related to Computer Science, including research and development, teaching and industry, government and publics-service;
3. Skills and tools in areas related to computer science and current developments in the academic field ofstudy.
4. Use knowledge, understanding and skills required for identifying problems and issues, collection of relevant quantitative and/or qualitative data drawing on a wide range of sources, and their application, analysis and evaluation using methodologies as appropriate to Computer Science for formulating solutions
5. Communicate the results of studies undertaken in Computer Science accurately in a range of different contexts using the main concepts, constructs and techniques
6. Meet one's own learning needs, drawing on a range of current research and development work and professional materials
7. Apply Computer Science knowledge and transferable skills to new/unfamiliar contexts,

Encourages collaboration :Students can practice collaboration skills by getting involved in different online activities. For instance, working on different projects by collaborating with others on forums or by sharing documents on their virtual learning environments. Technology can encourage collaboration with different business environments around the world.

Course Outcomes

PROGRAMMING IN C AND C++

1. Learn to develop simple algorithms and flow charts to solve a problem.
2. Develop problem solving skills coupled with top down design principles.
3. Learn about the strategies of writing efficient and well-structured computer algorithms/programs.
4. Develop the skills for formulating iterative solutions to a problem.
5. Learn array processing algorithms coupled with iterative methods.
6. Learn text and string processing efficient algorithms.
7. Learn searching techniques and use of pointers.
8. Understand recursive techniques in programming.

DATA STRUCTURES

1. To be familiar with fundamental data structures and with the manner in which these data structures can best be implemented; become accustomed to the description of algorithms in both functional and procedural styles
2. To have a knowledge of complexity of basic operations like insert, delete, search on these data structures.
3. Ability to choose a data structure to suitably model any data used in computer applications.
4. Design programs using various data structures including hash tables, Binary and general search trees, heaps, graphs etc.
5. Ability to assess efficiency tradeoffs among different data structure implementations.
6. Implement and know the applications of algorithms for sorting, pattern matching etc.

OPERATING SYSTEM

1. Describe the important computer system resources and the role of operating system in their management policies and algorithms.
2. To understand various functions, structures and history of operating systems and should be able to specify objectives of modern operating systems and describe how operating systems have evolved overtime.
3. Understanding of design issues associated with operating systems.
4. Understand various process management concepts including scheduling, synchronization, and deadlocks.
5. To have a basic knowledge about multithreading.
6. To understand concepts of memory management including virtual memory.
7. To understand issues related to file system interface and implementation, disk management.
8. To understand and identify potential threats to operating systems and the security features design to guard against them.
9. To have sound knowledge of various types of operating systems including Unix and Android.

COMPUTER NETWORKS

1. Understand the structure of Data Communications System and its components. Be familiarize with different network terminologies.
2. Familiarize with contemporary issues in network technologies.
3. Know the layered model approach explained in OSI and TCP/IP network models
4. Identify different types of network devices and their functions within a network.
5. Learn basic routing mechanisms, IP addressing scheme and internet networking concepts.
6. Familiarize with IP and TCP Internet protocols.
7. To understand major concepts involved in design of WAN, LAN and wireless networks.
8. Learn basics of network configuration and maintenance.
9. Know the fundamentals of network security issues.

SOFTWARE ENGINEERING

1. Basic knowledge and understanding of the analysis and design of complex systems.
2. Ability to apply software engineering principles and techniques.
3. To produce efficient, reliable, robust and cost-effective software solutions.
4. Ability to work as an effective member or leader of software engineering teams.
5. To manage time, processes and resources effectively by prioritising competing demands to achieve personal and team goals Identify and analyzes the common threats in each domain.

DATABASE MANAGEMENT SYSTEMS

1. Gain knowledge of database systems and database management systems software.
2. Ability to model data in applications using conceptual modelling tools such as ER Diagrams and design data base schemas based on the model.
3. Formulate, using SQL, solutions to a broad range of query and data update problems.
4. Demonstrate an understanding of normalization theory and apply such knowledge to the normalization of a database.
5. Be acquainted with the basics of transaction processing and concurrency control.
6. Familiarity with database storage structures and access techniques.
7. Compare, contrast and analyse the various emerging technologies for database systems such as NoSQL.
8. Analyse strengths and weaknesses of the applications of database technologies to various subject areas.

OBJECT ORIENTED PROGRAMMING

1. Learn the concepts of data, abstraction and encapsulation
2. Be able to write programs using classes and objects, packages.
3. Understand conceptually principles of Inheritance and Polymorphism and their use and program level implementation.
4. Learn exception and basic event handling mechanisms in a program
5. To learn typical object-oriented constructs of specific object oriented programming language

WEB TECHNOLOGIES

1. To understand the terms related to the Internet and how the Internet is changing the world.
2. To understand how computers are connected to the Internet and demonstrate the ability to use the World Wide Web.
3. Demonstrate an understanding of and the ability to use electronic mail and other internet based services
4. Understand the design principles of Web pages and how they are created
5. To develop an ability to create basic Web pages with HTML.

PROGRAMMING IN JAVA

1. Knowledge of the structure and model of the Java programming language,
2. Use the Java programming language for various programming technologies
3. Develop software in the Java programming language,
4. Evaluate user requirements for software functionality required to decide whether the Java programming language can meet user requirements

PYTHON PROGRAMMING

1. Develop and Execute simple Python programs.
2. Structure a Python program into functions.
3. Using Python lists, tuple to represent compound data
4. Develop Python Programs for file processing

DEPT OF MATHEMATICS

COURSE OUTCOME

SEMISTER-I

1. Know the geometrical approach of partial differentiation in two dimensions.

2. Equality of $f_{xy}(a,b)$ & $f_{yx}(a,b)$.
3. Learn about Radius of curvature, centre and chord of curvature.
4. Realise the how to find the volumes, surfaces and lengths of plane curves like cone, line etc.

SEMISTER-II

Students will be equipped with the various tools to solve few types D.E that arise in several branches of science.

SEMISTER-III

1. Students will know about concepts of sequences, subsequences, alternating series, converges of sequences.
2. They understand the concepts of continuity, differentiation and Riemann Integration.

SEMISTER-IV

Students will able to recognize algebraic structures that arise in matrix algebra, linear algebra and will be able to apply the skills learnt in understanding various such subjects.

SEMISTER-V

1. Know the definitions of vector space , subspace, null, column spaces and also linearly independent, dependent sets.
2. To learn about Eigen values and Eigen vectors, characteristic equation.
3. Understand the concept of application to D.E.
4. Finally they will learn Inner product space.

SEMISTER-VI

1. Know about bisection method, the iteration method Newton's method.
2. Understand the concept of interpolation ,finite differences, Newton's general interpolation formula and curve fitting.
3. Study about numerical differentiation, integration.
4. Learn about numerical solutions of ordinary differential equations.
5. Students understand the beautiful interplay between algebra and geometry.

6.They know about 3-dimensional shapes such as sphere ,cones, cylinders, the conicoid and its properties.

Course outcomes: Department of History (Major)

After completing the course contents students are able to developed in following respects-

Course Introduction to History ; Paper 101

Outcome :

CO 01 Students are able to understand the genesis of history and development of history writing indifferent country as well as in India.

Course History of Ancient India (up to 300 A.D.) ; Paper 102

Outcome :

CO 02 Sources of ancient India, Civilizations like Indus and Aryan, political and religious changes in 6th century B.C., Mauryan Empire etc are studied.

Course History of Ancient India (300 A.D. to 1200 A.D.) ; Paper201

Outcome :

CO 03 From this segment of the syllabus student aware about the history of Ancient India

from 300
A.D. TO 1200 A.D.

Course History of Ancient Civilization of the World; Paper 202

Outcome:

CO 04 From this segment of the syllabus student learn about the history of Ancient Civilizations like Mesopotamia, Greece, China, Roman, Egypt.

Course India under the Turko-Afgan; Paper 301

Outcome :

CO 05 From this paper student can get idea about Turko Afgan (1206-1526) role in India.

Course History of Ancient Assam; Paper 302

Outcome:

CO 06 Sources of ancient Assam, dynasties like Varmana, Pala and Salastambha and socio-economic condition of that period.

Course India under the Mughals ;Paper 401

Outcome :

CO 07 From this paper student can learn about formation, expansion and consolidation of Mughal Empire.

Course History of Europe(1453- 1789) Paper 402

Outcome :

CO 08 This paper deals with political, economic and social changes of European countries like France, Spain, Austria, Russia etc.

Course India Under the East India Company (1757- 1857)[Paper 501]

Outcome :

CO 09 This paper studies about Formation, Expansion and Consolidation of British Empire in India under East India Company.

Course History of Medieval Assam (1206- 1826)[Paper 502]

Outcome:

CO 10 This paper deal with establishment of Ahom kingdom in Brahmaputra Valley and its expansion. The relation with neighbouring countries are also discussed and also socio economic religious aspects of that period.

Course History of Europe (1789- 1870)[Paper 503]

Outcome :

CO 11 This paper deals with changes of Europe after the French Revolution and political changes in the countries like Prussia, Italy and Russia etc.

Course History of Science and Technology in Pre Colonial India [Paper 504]

Outcome :

Co 12 Student can learn about the Development of indigenous science and technology of India before the advent of east india company from this paper.

Course History of England (1485- 1820) [Paper 505]

Outcome :

Co 13 The syllabus covers changes of England from Medieval to Modern.

Course History of China (1839- 1949) [Paper 506]

Outcome

Co 14 The syllabus covers changes of China from its opening to outside world to the foundation of the Republic.

Course India Under the Crown (1857- 1947)[Paper 601]

Outcome :

CO 15 This paper gives an idea about the British Empire in India under the British Crown and also the consequences of national Movement of India.

Course History of Assam (1826- 1947)[Paper 602]

Outcome :

CO 16 From this Paper student can learn about Foundation and Expansion of Colonial role in Assam and also the National Movement.

Course History of Europe (1871- 1945)[Paper 603]

Outcome :

CO 17 This paper gives an idea about the rise of nationalism in Europe, consequences and results of 1st and 2nd World War.

Course World since 1945 [Paper 604]

Outcome :

Co 18 This paper gives an idea about the cold war and its consequences, problem of third world countries, foundation and role of UNO.

Course History of Japan (1853- 1941) 605

Outcome :

Course Project [Paper 606]

Outcome

Co 20 **ACADEMIC PROJECT**

- The subject matter of the Project/ Projects will be selected by the Department.
- The themes could be of national, regional or local interest relating to the discipline of History
- Project Report must be between 4000 and 5000 words
- The Report should be neatly typed in double space and in A-4 size paper , 12 font, Times New Roman
- The students must be informed about the themes of the Project by the beginning of the Sixth semester.
- The Report should include names of reference books and other sources consulted.

It must be submitted on a date to be fixed by the Department.

- The component of the Internal Evaluation will include **10** (ten) marks for presentation of the Report and **5** marks for a *viva-voce* examination.
- The *viva voce* examination will be conducted by a Board of at least 3 members. Members of the Board will comprise of the teachers of the Department of the college and may include teachers from the History faculty of other colleges.

Programme

Specific

outcome

Department

of History

There are different scopes in different areas like sericulture department as demonstrator, caretaker of the farm, trainer for others etc.

Archaeologist: Archaeological Survey of India with private Firms related to archaeology.

Historian: With so much debate over the authenticity of historical books, there is ever increasing demand for historians.

Public Service: For History graduate, the option of public service like UPSC,APSC are always open.

Teacher: After B.A. in history one can always find employment as a history

Teacher. Social Worker: NGO and Social Welfare Organizations also employ

History Graduates.

Writer/Subject Expert: Nowadays a lot of publishing houses seek subject matter experts for publication of school textbook or supplementary reading materials.

Travel and tourism expert: With an extensive knowledge of history and historical monuments, history graduates can work as a travel expert for tourist spot of historical importance

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N.T.R.GOV.T. DEGREE COLLEGE FOR WOMEN, MAHABUBNAGAR

DEPARTMENT OF COMPUTER APPLICATION.

LEARNING OUTCOMES

S.No	Subject	Outcome
1.	Course Name:	

	Computer Applications	
	Fundamental of Information Technology	<ul style="list-style-type: none"> • To encourage the use of IT, so has to enable students to improve their skills. • To develop competence in global sourcing strategy and management to gain perspective in the global services.
	RDBMS	<ul style="list-style-type: none"> • To give a good formal foundation on the Relational Model of data and usage of Relational algebra. • To introduce the concepts of Basic SQL as a universal Database Language. • To provide an overview of Physical Design of a Database System.
	Programming in “C”	<ul style="list-style-type: none"> • Basic knowledge of Programming Fundamentals • Ability to develop simple “C” programs. • Ability to develop Basics c programs using pointers, functions, arrays, file concepts.
	Programming with “C++”(OOP)	<ul style="list-style-type: none"> • Implement C++ programs with constructors and destructors • Implement programs with code reusability using inheritance. • Developing programs with file handling and templates • Develops OOPS involving polymorphism using operator

		overloading and method overloading.
	Web Technology	<ul style="list-style-type: none"> • Identify the concepts of World Wide Web. • Can able to understand and implement skeleton structure of web technology. • Creation dynamic webpages using concepts of css, java script. • Implement and practice on Client side programming • Identify the concepts of java script.
	E-commerce	<ul style="list-style-type: none"> • Understand the concepts of e-commerce and its types. • Understanding selling and marketing on web. • Understand different modes of online payment system. • Understand various e-business strategies.
	Multimedia	<ul style="list-style-type: none"> • Importance of multimedia and its applications in daily life. • Can able to implement multimedia projects using text, video and sound concepts.
	Operating System & Computer Networks	<ul style="list-style-type: none"> • Describe the importance computer system resources and the role of operating system in their management policies and algorithms • To understand various functions, structures and history of operating systems. • Understand various process management concepts including

		<p>scheduling, synchronization and deadlocks.</p> <ul style="list-style-type: none"> • Understand the structure of Data Communications system and its components. • Familiarize with contemporary issues in network technologies. • Identify different types of network devices and their functions within a network.
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B.Sc. PHYSICS

PROGRAMME SPECIFIC OUTCOMES

PSO1: Students will demonstrate proficiency in mathematical concepts needed for proper understanding of Physics.

PSO2: Students will acquire knowledge of Classical Mechanics, Electromagnetism, Modern Physics, Optics, Thermodynamics and Basic Electronics and to be able to apply this knowledge to analyze a variety of physical phenomena.

PSO3: Students will demonstrate their laboratory skills, enabling them to take measurements in physics lab and analyze the measurements to draw valid conclusions.

PSO4: Students will be capable of oral and written scientific communication and will prove that they can think critically and work independently.

PSO5: Developing their scientific intuition, ability and techniques to tackle problems either theoretical or experimental in nature.

COURSE OUTCOMES OF PHYSICS

After completion of three year degree course, students should be able to

SEMESTER –I, PAPER-I : MECHANICS AND OSCILLATIONS

CO1: Students will attain a common level in basic mechanics and oscillations and laid a secure foundation in mathematics for their future courses.

CO2: To analyze vector algebra to solve mathematical problems related with different areas of physics.

CO3: Able to solve the equations of motion for any mechanical system like variable mass system, rigid bodies.

CO4: Understand the application of central force to the stability of circular orbits, Kepler's Laws of planetary motion.

CO5: Develop understanding of Special theory of relativity and its applications to various inertial non- inertial frames.

CO6: Apply the laws of simple harmonic motion of various oscillating systems like Simple harmonic oscillator, Damped harmonic oscillator and Forced oscillator.

Laboratory CO: Develop their experimental and data analysis skills through a wide range of experiments in the practical laboratories.

SEMESTER –II, PAPER-II: THERMAL PHYSICS

CO1: To understand the fundamental ideas and methods applicable to all systems in thermo dynamical equilibrium.

CO2: Understand the Thermodynamic Potentials and Maxwell Relations and apply them to thermo dynamical problems.

CO3: To acquire knowledge of Low Temperature Physics and its applications in different methods of liquefaction of Hydrogen and Helium, Refrigeration.

CO4: Understanding different Ensembles, concept of phase space, classical and quantum statistics, Maxwell- Boltzmann velocity distribution law, Bose- Einstein statistics and Fermi- Dirac statistics.

CO5: To study quantum theory of black body radiations and various laws, Wien's law, Rayleigh-Jeans law, Planck's law. Methods of measurement of radiation using Pyrometers and Pyroheliometers.

Laboratory CO: The ability to formulate, conduct, analyze and interprets experiments related to thermal physics.

SEMESTER –III, PAPER III: ELECTROMAGNETIC THEORY

CO1: To acquire knowledge all areas of Electromagnetism including Electrostatics, Magneto statics, Electromagnetic Induction and Electromagnetic waves.

CO2: Able to apply Gauss's law to different electric surfaces and relation between Electric field intensity and Electric Potential.

CO3: Students get an idea about how to apply Biot-Savart law and Ampere's circuital law to different electromagnetic fields.

CO4: To study Faraday's laws of electromagnetic Induction, difference between Self Induction and Mutual Induction.

CO5: Analyze Maxwell's Equations in Integral and differential form and basic plane wave phenomenon such as Reflection, Transmission and Absorption characteristics at interfaces in different medias.

CO6: Able to apply Network Theorems to a wide range of electric circuits.

CO7: Acquire knowledge of growth and decay of currents in LR, CR circuits and LCR series and parallel resonant circuits, AC and DC motors.

Laboratory CO: Students get confidence in working with different electric circuits and Verify Network Theorems like Thevenin's , Norton's, Superposition, Maximum power transfer Theorems.

SEMESTER –IV, PAPER- IV: WAVES AND OPTICS

CO1: To understand transverse wave propagation along stretched strings and its wave equation, Study of longitudinal wave propagation in Bars under different boundary condition.

CO2: Study of Interference by Division of wave front and Division of amplitude, application of principles of interference to light reflected by thin films and wedge shaped films.

CO3: Application of the principles of Fraunhofer Diffraction to waves that pass through a single, double slit and diffraction grating- Fresnel Diffraction through zone plates.

CO4: To study different methods of polarization by reflection, refraction, double refraction and selective absorption using Polarizer and Analyzer.

Laboratory CO: Understanding different optical phenomena like Reflection, Refraction, Interference, Diffraction and Polarization by performing experiments.

SEMESTER –V, PAPER- V: MODERN PHYSICS

CO1: To understand Atomic and Molecular Spectroscopy and to briefly discuss about Emission and Absorption spectrum, selection and intensity rules, L-S and J-J Coupling Schemes, Zeeman, Stark, Paschen -Back effects.

CO2: Understanding Inadequacy of classical physics which lead to Quantum mechanics, which covers topics like Dual nature of

matter, matter waves, Uncertainty principle, Schrodinger Time independent and Time dependent wave equations.

CO3: To study Nuclear physics and to briefly understand disintegration law, nuclear structure, nuclear models, Alpha and Beta Decay and particle Detectors.

CO4: To understand basic crystal structures (SC, BCC, FCC, CsCl, NaCl, Diamond and Zinc Blend) crystallography, X-Ray Diffraction and Bonding in crystals.

Laboratory CO: Students get hand on experience of performing experiments of modern physics like Measurement of Planck constant, verification of inverse square law, Energy gap of semiconductor, Photo-cell, G-M Counter.

SEMESTER-VI, PAPER-VI: ELECTRONICS

CO1: Students acquire knowledge of band theory of solids, difference of intrinsic and extrinsic semiconductors , N-type , P-type semiconductors, P-N Junction diode, Zener diode, half-wave and full wave and bridge rectifier.

CO2: Get an idea of bipolar junction transistor(CB,CE, CC configuration), RC coupled amplifier, concepts of Feedback and Oscillators.

CO3: Study of construction and characteristics of special devices like Photo diode, Shockley diode, Solar cell, Opto couplers, FET, UJT, SCR.

CO4: Understanding the basics of Digital Electronics, Inter conversion of Binary, Decimal and Hexadecimal number systems. Realization of Logic Gates using discrete components.

Laboratory CO: Students get practical experience of simple electronic circuits, Diodes, Logic Gates, verification of Demorgan Laws

N.T.R GOVT DEGREE COLLEGE(W)

MAHABOOB NAGAR,TELANGANA.

FACULTY OF POLITICAL SCIENCE

PROGRAMME SPECIFIC OUTCOME OF POLITICAL SCIENCE

After graduation the student will be able to-

PSO 1: Understand the contribution of the main traditions of western political thinkers to political thought.

PSO 2: Understand the processes and dynamics of Indian government and politics. It also familiarize with the vital contemporary emerging issues of centre-state relation, political parties, emergence of new leadership at different levels, demand for autonomy movement, ethnic conflicts etc.

PSO 3: Acquaint with the basic concepts, principles and dynamics of administration. PSO 4:

Familiarise with important theories and issues of international relations.

PSO 5: Acquaint with the diverse political systems especially the developed countries including China and Switzerland.

PSO 6: Understand the political values theoretical perspective.

PSO 7: Understand the basic concept and ideological orientations of political science discipline.

PSO 8: Understand the contribution of the main traditions of Indian Political Thought. PSO 9: An understanding the evolution, development and trends of India's foreign policy.

PSO 10: Understand the basic concept and issues concerning human rights and challenges.

PSO 11: Understands Social and Political movements in India.

PSO 12: Understand the women's issues and problems.

PSO 13: Familiarise with the problems and prospects of rural development of India.

PSO 14: Understand the cultural, social, political, economic and constitutional environment as a historical perspective of Indian Administration.

PSO 15: It makes to understand the inter-connection between local, state, national and international politics.

COURSE CODE: PSCM 501: (Understanding political Theory – Semester-1)

CO1: Discusses the development of political science as an academic discipline, approaches to the study of political science and political theory (Normative and Empirical)

CO2: Delineates the normative and Marxist ways of defining state, origin of state, divine origin, social contract, utilitarian perspective and the decline of state.

CO3: Points out the political values, theoretical perspective and concepts of liberty, equality, sovereignty, power and authority.

CO4: Discuss the political ideologies-Liberalism, Nationalism, Multiculturalism.

CO4: Highlights the variants of democracy, and authoritarian and totalitarian governments. CO5:

Covers political institutions and functions-Legislature, Executive and Judiciary.

CO7: Discuss the political parties, Pressure Groups, Media.

COURSE OUTCOME OF POLITICAL SCIENCE: (Semester-2)
(Western Political Thought)

COURSE CODE: PSCM 101:

CO1: Covers the Greek political thought of Plato and Aristotle.

CO2: It highlights the medieval and early Modern political thought as reflected in the philosophy of St. Augustine and St. Thomas Aquinas and Niccolo Machiavelli.

C03: Delineates the political thought of Niccolo Machiavelli.

CO4: Discuss Social contract theories of Thomas Hobbes, John Locke and J.J.Rousseau.

CO5: It highlights the Utilitarian Thought of Jermy Bentham, J.S Mill.

CO6: Covers Philosophy of Dialectics-G.W.F. Hegal,Karl Marx.

CO5: Enlightenment political thought as reflected in the works of JJ Rousseau and JS Mill. COURSE

CODE: PSCM 201:(INDIAN GOVERNMENT AND POLITICS

Basics of Indian Constitution and Citizenship (Semester 3)

CO1: Glimpses of the background of the Indian Constitution, federal features, judicial review, parliamentary supremacy, concept of basic structure.

CO2: Covers the preamble, fundamental rights, directive principles of state policy, fundamental duties and amendment procedure.

CO3: Deals with Statutory commissions for protection of rights (National Human Rights Commission, SC&ST Commission and Minority Commission)

CO4: Delineates the Social and Political Movements in India-Farmers

Movements, Dalit Movements, Tribal Movements, Environmental movements and Women's Movements.

COURSE CODE: INDIAN GOVERNMENT AND POLITICS

Government and Politics (Semester-4)

CO 1: Deals with the Indian administration and Cultural, Social, Political, Economic and Constitutional environment.

CO 2 Analysis of the Union Government and administration.

CO 3: Covers the various aspects of the State Government.

CO 4: Outlines the various aspects of local self government (Panchayat Raj and Urban) and democratic decentralisation.

CO5: Analysis the union and state relations.

CO6: Discuss the nature of Indian political system and electoral politics.

COURSE CODE: POLITICAL THOUGHT

Ancient and Medieval Political Thought (Semester-5)

To demonstrate knowledge of key thinkers and concepts.

To understand the nature, methods and significance of political thought.

To analyse theory of ancient & medieval political thought of Greek and India.

To understand the relationship between religion and politics in early modern political

thought.

To acquire knowledge about modern political thinkers and their views on state craft.

To compare with the social contactualiststhoughts.

To analyse the Maxist philosophy in making a better society.

To appreciate the various social and political ideas of Indian political thinkers.

COURSE CODE: PSCM 302: (INTERNATIONAL RELATIONS-1, Semester 5)

CO1: Acquaints with the origin and growth of International Relations (IR) as an academic discipline, meaning and scope of IR, Emergence of Sovereign System.

CO2: Covers the history of IR and highlights the great power system,Colonialism,the two world wars, the cold war and the post cold war era.

CO3: Explains the concept of IR like national power, Super power, regional power, Detente and national security, human security, diplomacy, conflict and conflict resolution.

CO4: Underlines the working of UN system, collective security, peace keeping machinery, regional oroginisations (EU,ASEAN,SAARC,BRICS).

COURCE CODE: POLITICAL THOUGHT

(Western and Indian Political thought – Semester 6)

CO1: Covers Idealists thoughts of GWF Hegel Dialectics and theory of state, Th Green-Rights and political obligation.

CO2: Expains Marxian philosophy-Karl Marx Dialectical and Historical Materialism.

CO3: Explains the ancient Indian political thoughts of Buddha- social and political ideas, Basava's social ideas.

CO4: To appreciate the various social and political ideas of Indian political thinkers.

CO5: Highlights the liberal; political thinking of MK Gandhi and Jawaharlal Nehru.

CO6: Discuss the political thinking of depressed class movements with reference to Jyotiba Phule and BR Ambedkar.

COURSE CODE: (INTERNATIONAL RELATIONS)

International Relations in 19th & 20th Century-II (Semister-6 Optional)

CO1: Discuss the International political economy-Neo Colonialism,IBRD,IMF,WTO,MNCs.

CO2: Asses India's bilateral relations-India and major powers(USA,Russia), India and neighbouring countries(China and Pakistan)

CO3: Covers Foreign policy determinants, features and Non-alignment-Relevance.

CO4: Covers international security- Arms race,Armscontrol,Disarmament,Issues in Nuclear Politics and international political economy.

CO5: Deals with contemporary issues like environment,feminism,self determination, globalization and terrorism.