UG COURSE OUTCOME

BA TAMIL

பகுதி I தமிழ் - காப்பியமும் நாடகமும - 19ULT3

- காப்பியங்களின் இலக்கியச் சுவையைக் கண்டறிதல்.
- புராண, இதிகாசங்கள் கூறும் வாழ்வியல் அறங்களை எடுத்துரைத்தல்.
- இலக்கியங்கள் கூறும் மனிதநேய மாண்புகளை விளக்குதல்.
- மொழித்திறன் வளர்ச்சிக்கு இலக்கியங்களின் பங்களிப்பு குறித்துப் பகுத்தாய்தல்.

யாப்பருங்கலக்காரிகை (ஒழிபியல் நீங்கலாக) - 19UTA3CC5

- தமிழ்ச்செய்யுள் உறுப்புகளைக் கண்டறிதல்.
- பாக்களின் அமைப்புகளை விளக்குதல்.
- பாக்களைப் பகுத்தாய்தல்.
- தமிழ் பா மரபினை ஆராய்ந்தறிதல்

சமய இலக்கியம் - 19UTA3CC6

- சமயங்களின் தனித்தன்மையைப் பட்டியலிடல்.
- பக்தி இலக்கியம் தோன்றிய காலச்சூழலை விளக்குதல்.
- பக்தி இலக்கியங்கள் காட்டும் வாழ்வியல் விழுமியங்களைப் பயன்படுத்துதல்.
- சமய இலக்கியங்களின் வழி சமுதாய நிலையை ஆராய்ந்தறிதல்.

இதழியல - 19UTA3AC3

- தகவல் தொடர்பின் முக்கியத்துவத்தினைக் கண்டறிதல்
- தகவல் பரிமாற்றத்திற்குப் பயன்படும் தகவல் தொடர்பு சாதனங்களின் வரலாறு குறித்து விவரித்தல்
- தகவல் தொடர்பு சாதனங்களின் அமைப்பு மற்றும் அவை செயல்படும் விதத்தினை ஆராய்ந்தறிதல்
- சமூக வளர்ச்சிக்குத் தகவல் தொடர்பு சாதனங்களின் பங்களிப்பினை இணைத்தறிதல்

தமிழின் செம்மொழிப் பண்புகள்- 19UTA3NME1

- மொழி குறித்த அறிவைப் பெறுதல்
- தமிழின் சிறப்புகளை விளக்குதல்
- தமிழின் செம்மொழிப் பண்புகளைக் கணித்தல்

- செவ்வியல் நூல்களின் சிறப்புகளை ஆராய்ந்தறிதல்

I BASIC TAMIL - 19ULC3BT1

- தமிழ் எழுத்துக்களின் வகை, வடிவங்களைக் கண்டறிதல்
- சொற்களை உருவாக்கும் திறன் பெறுதல்
- வாக்கியத்தில் அமைந்திருக்கும் சொற்களை இனங்காணல்
- மழலைப் பாடல்கள், அறநெறிக்கதைகள் குறித்துப் பகுத்தறிதல்

I SPECIAL TAMIL - 19ULC3ST1

- கவிதைகளில் வெளிப்படும் சமூக சிந்தனைகளைக் கண்டறிதல்
- பக்தி இலக்கியங்களில் வெளிப்படும் நற்கூறுகளை விளக்குதல்
- தமிழ்ச் செய்யுள்களின் நயங்களை அறிதல்

பகுதி ஐ தமிழ் - பண்டை இலக்கியம் - 19ULT4

- சங்கத் தமிழர்களின் அகப்புற மாண்புகளைக் கண்டறிதல்
- சங்ககால மக்களின் வாழ்வியலை விளக்குதல்
- மக்களை நெறிப்படுத்தும் அறக்கருத்துகளைக் கணித்தல்
- தமிழின் செம்மொழிப் பண்புகளை ஆராய்ந்தறிதல்

நம்பியகப்பொருள் -`19UTA4CC7

- தமிழரின் அகவாழ்வு நெறிகளைக் கண்டறிதல்
- அகநூல்களில் உள்ள அகத்திணைக் கூறுகளை விளக்குதல்
- அகத்திணைத் துறைகளைப் பகுத்தாய்தல்
- தமிழ் அக மரபினை ஆராய்ந்தறிதல்

காப்பியங்கள ˙-19UTA4CC8

- காப்பியத் தோற்றத்திற்கான பின்புலத்தை வரையறை செய்தல்
- சமயக்கூறுகள் காப்பியங்களில் பொதிந்துள்ள தன்மையை எடுத்துரைத்தல்
- காப்பியங்களுக்குரிய இலக்கணக்கூறுகள் பொதிந்துள்ளமையைக் கணித்தல்
- காப்பிய காலச் சமூகத்தை மதிப்பிடல்

இலக்கியத் திறனாய்வு - 19UTA4AC4

- இலக்கியங்களின் அழகியல் கோட்பாடுகளை வரையறுத்து அறிதல்
- இலக்கியங்களில் இடம்பெறும் வாழ்வியல் விழுமியங்களை எடுத்துரைத்தல்
- சிறுகதை, கவிதை போன்றவற்றின் தன்மைகளை வகைப்படுத்துதல்
- புதினம், நாடகம் ஆகியவற்றின் அடிப்படைக் கூறுகளை ஆராய்ந்தறிதல்

- இலக்கிய மரபுகளைப் பகுத்தாய்தல்

தமிழரின் வழிபாடுகளும் விழாக்களும் - **19UTA4NME2**

- வழிபாடுகளின் இன்றியமையாமையைக் கண்டறிதல்
- வழிபாடுகளின் வகைகளைப் பகுத்தறிதல்
- விழாக்களை பட்டியலிடல்

II அடிப்படைத்தமிழ் தாள் - **II 19ULC4BT2**

- தமிழின் அடிப்படை இலக்கணம் அறிதல்
- அன்றாட வாழ்வில் பயன்படுத்தும் பொருட்கள் பற்றிய சொற்களை விவரித்தல்
- தமிழ்ச்செம்மொழி நூல்களின் செம்மொழித் தகுதியை இனங்காணல்
- கடிதம் மற்றும் கட்டுரை எழுதத் தயார் செய்தல்

II சிறப்புத்தமிழ் தாள் - **II19ULC4ST2**

- காப்பியங்களில் இடம்பெறும் வாழ்வியல் கூறுகளைக் கண்டறிதல்
- சங்க இலக்கியத்தின் நயங்களை விளக்குதல்
- மணிமேகலை உணர்த்தும் மனிதநேயப் பண்புகளை மதிப்பிடுதல்
- நீதி இலக்கியங்களில் இடம்பெறும் நற்சிந்தனைகளைப் பகுத்தாய்தல்
- தமிழ் இலக்கியங்கள் காட்டும் பண்பாட்டுச் சிந்தனைகளை விவரித்தல்

பயன்முறைத்தமிழ் - **I19UTA4SBE1A**

- எழுத்துக்களில் வலிமிகும், மிகாமைக்குரிய மாற்றத்தைக் கண்டறிதல்
- ரகர, றகர, லகர, ளகர, ழகர, னகர, ணகர, நகர வேறுபாடுகளை விளக்குதல்
- வாக்கியச் சொற்றொடர்கள் மற்றும் கலைச்சொற்கள் குறித்து வகைப்படுத்தல்
- வாக்கிய அமைப்பு மற்றும் வழுக்களை ஆராய்ந்தறிதல்
- உரைநடையில் பத்தியமைப்பு, நிறுத்தற்குறியினைப் பயன்படுத்துதல்

இதழியலும் மக்கள் ஊடகவியலும் - **19UTA4SBE1B**

- இதழியலின் சிறப்புகளைக் கண்டறிதல்
- தகவல் பரிமாற்றத்திற்குப் பயன்படும் தகவல் தொடர்பு சாதனங்களின் வரலாறு குறித்து விவரித்தல்
- துகவல் தொடர்பு சாதனங்களின் அமைப்பு மற்றும் அவை செயல்படும் விதத்தினை ஆராய்ந்தறிதல்
- சமூக வளர்ச்சிக்குத் தகவல் தொடர்பு சாதனங்களின் பங்களிப்பினை இணைத்தறிதல்

BA ENGLISH
READING AND WRITING FOR EFFECTIVE COMMUNICATION – 1 - 19UE3

- Select and apply vocabulary, phrases and simple sentence structures.
- Organize and develop the given pictographs, procedures and tabular data.
- Simplify, compare and contrast through presentation by applying acquired facts and techniques.
- Explain and evaluate to determine the given data.
- Choose and access information.

ONE ACTS PLAYS - 19UEN3CC5

- Identify and discuss the theoretical elements of drama.
- Explain the techniques employed in writing One Act Plays.
- Describe the diverse theoretical cultures and traditional approaches in the plays.
- Apply the sub-genres of theoretical art to bring out the aesthetic effect employed in the play.
- Analyse critically the Theme, Plot and Cultural aspects prevalent in the play.

POETRY II - 19UEN3CC6

- Recall and Relate Poems of Various Periods and the Social Background of Poetry.
- Illustrate and interpret the Aesthetic Impact of Individual Poems.
- Apply and Construct the Poems with a Philosophical touch.
- Identify the Themes and Figures of Speech Prevalent in the Poems.
- Analyze and Examine Critically the Style, Structure, Tone, Diction and Metrical Aspects of The Poem.

HISTORY OF ENGLISH LITERATURE – I - 19UEN3AC3

- Tell about the works of Chaucer and literary writers influenced by him.
- Name the writers of Tottel's Miscellany and Development of types in Drama.
- Explain the works of the Poets, Dramatists and Prose writers who belongs to the Elizabethan Age.
- Relate the ideas of Puritanism in the works of John Milton and John Bunyan.
- Apply Satirical comedy in the works of Dryden and Restoration Dramatists.

PRESENTATION SKILLS IN ENGLISH - 19UEN3NME1

- Acquire the modalities of presentation skills.
- Explain the plan and structure for effective presentation.
- Describe the mechanism of Audio- Visual aids.
- Apply the presentation skills in public speaking.

READING AND WRITING FOR EFFECTIVE COMMUNICATION-II - 19UE4

- Recite and recall vocabulary, phrases and different sentence structures.
- Explain written expression based on the situation and genres.
- Model and construct written passages based on a given scenario.
- Analyze and classify the appropriate use of grammar through literature.
- List and infer to reproduce after an extensive acquisition of vocabulary

DRAMA - 19UEN4CC7

- Recall the elements of Drama and explain how these elements combine a theatrical experience.
- Explain the limitations and opportunities pertaining to thetheatre and film.
- Construct a drama by using the similar characters wherevirtue is rewarded and vices punished.
- Classify the types of drama and their characteristics.
- Analyse the significance of drama from the audience Perspective.

INTRODUCTION TO LANGUAGE AND LINGUISTICS -19UEN4CC8

- Recall and identify the study of linguistics and its purpose.
- Explain the mechanism and the biological organs involved in speech production.
  - To apply and classify speech sounds as vowels, consonants and its further distribution.
  - Diagnose, dissect and determine speech sounds into basic elements.
  - Analyse the semantics and syntax of a sentence and transcribe the spoken language text.

HISTORY OF ENGLISH LITERATURE-II - 19UEN4AC4

- List the works of Alexander Pope, Five major novelists, Joseph Addison and Richard Steele.

- Relate the idea of Anti-Sentimental comedy in the works of Oliver Goldsmith and Richard Brinsley Sheridan.
- Illustrate the works of Romantic Poets
- Outline the works of novelists and prose writers who belong to the age of Tennyson.
- Develop the idea of Modernism in the works of W.B. Yeats, T.S.Eliot, James Joyce and D.H.Lawrence.

COMMUNICATION SKILLS IN ENGLISH - NME-II - 19UEN4NME2

- Recall and identify the study of linguistics and its purpose.
- Explain the mechanism and the biological organs involved in speech production.
- To apply and classify speech sounds as vowels, consonants and its further distribution.
- Diagnose, dissect and determine speech sounds into basic elements.
- Analyze the semantics and syntax of a sentence and transcribe the spoken language text.

WRITING FOR MEDIA - 19UEN4SBE1A

- To identify and understand mass media as a system of interrelated focus on historical foundation, technological advances, economic dynamics, regulatory constraints and ethical concerns.
- Explain and illustrate the complex relationship of media theories.
- Apply and relate the underlying philosophical ideas of one or more communication research methods to construct the range of media.
- Analyze the basis of media ethics and constraints to be followed.
- Distinguish and examine the diversities in media.

BUSINESS ENGLISH - 19UEN4SBE1B

- Recall and relate facts and terms.
- Classify and demonstrate concepts of various business communication.
- Identify, construct and interview communication pertaining to employment.
- Classify and categorize various types of reporting.
- Test and take part in business writing

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B.S.W. SOCIAL WORK

INTRODUCTION TO SOCIAL WORK RESEARCH AND STATISTICS - 19USW3CC5

- Demonstrate the concept of social research and social work research
- Identify the appropriate reviews and inferences for the research
- Apply data collection methods
- Outline different types of research methodologies

FIELD WORK PRACTICUM - 19USW3CC1P

- Name the organisations working for women, children, special schools, Industries, old age homes, Couselling centres ,hospital and De-addiction Centres
- Explain organizational structure ,funding and functions
- Develop knowledge on welfare programmes implemented by government
- Discover scope of social work in society

SOCAL LEGISALTION - 19USW3AC3

- Define the legislations and rights of citizens from the Indian Constitution
- Explain the legislations related to marriage and other provisions under Hindu, Christian and Muslim religion.
- Apply the knowledge on the legislations related to welfare of women and Transgenders.
- Examine the legislations related to protection of children.
- Analyse the legislations related to protection weaker section of people

HUMAN RIGHTS - 19USW3NME1

- Demonstrate the concept of human rights
- Define the importance of universal declaration of human rights
- Explain the Indian constitutional guarantee of human rights
- Examine Violation of human rights
- Analyse the legislations related to protection weaker section people

SOCIAL WELFARE ADMINISTRATION - 19USW4CC6

- Define the concept of Social Welfare Administration

- Develop the skills in Planning, Decision making ,Coordinating and Recording, Public Relations and Fund Raising
- Utilize the knowledge on Welfare Programmes for weaker sections of people in the society
- Demonstrate the procedures for establishing Non-Governmental Organisations
- Examine the structure and functions of central and social welfare Boards

FIELD WORK PRACTICUM - 19USW4CC2P

- Explain the culture of different sections of people in the society
- Demonstrate the skills of planning, organizing and reporting
- Build adjustment with the Environment
- Compare the functioning of social welfare organisations in different geographical regions

HEALTH CARE SERVICE- 19USW4AC4

- Recall the concept of health
- Interpret nutritional deficiency disease
- Relate health and hygiene
- Build programmes on health

WOMEN RIGHTS AND LAWS - 19USWNME2

- Recall the Rights of Women in Indian Constitution
- Explain the Rights of Women Under Custody
- Utilize laws pertaining to Women in solving legal Problems
- Examine Violence against Women
- Appraise Women Welfare Programmes

STRESS MANAGEMENT - 19USW4SBE1A

- Outline the concepts of stress, eustress and Distress
- Identify the sources of stress
- Analyse the physical, psychological and social impact of stress
- Classify Stress response K3 CO5 Apply stress reduction Technique

LIFE SKILLS - 19USW4SBE1B

- Define Life Skills and Classification of it

- Explain the importance of Life Skills
- Apply of the Life Skills in day to day
- Analyse the impact of life Skills

B.B.A

ORGANISATIONAL PSYCHOLOGY - 19UBA3CC5

- Create the knowledge on fundamental concepts of Organization behavior and application of the organization concepts
- Discuss the Personality and perception in individual and Group decision making.
- Apply the concept of Group dynamics, Group cohesiveness and Group Norms
- Communicate the knowledge about the types of leadershipskills and power and authority of the effective leader.
- Analyze the organisationalbehaviour in the recent business scenario.

COMPUTER APPLICATIONS PACKAGE FOR MANAGERS (MS- OFFICE PRACTICAL) - 19UBA3CC1P

- To analyse the areas of application of computer.
- To create business letters using wizard and to create mail merge.
- To apply statistical and financial function and to create different types of charts.
- To design power point presentation and apply animations
- To demonstrate the usage of Internet.

BUSINESS LAW - 19UBA3AC3

- To enable the students to understand the essentials elements of Indian contract Act
- To Discuss the Performance of Contract and Remedies for breach of contract
- To Elucidate the Law of Agency
- Discuss the knowledge of Sale of goods Act relating to transfer of property and Rights of an unpaid seller.
- To acquire basic knowledge on Partnership Act

STOCK EXCHANGE PRACTICES - 19UBA3NME1

- Identify the essential of Capital Markets and to evaluate the need for New Issue Markets
- Framing the role and functions of Secondary Markets
- Discuss the necessity of Listing in Stock Exchanges
- Assess the predominant role of Stock brokers in the trading mechanism
- Formulate the methods of ranking of institutions through credit rating

COST ACCOUNTING - 19UBA4CC6

- Impart the knowledge of basic Cost Concepts, elements of cost and preparation of Cost sheet.
- Formulate stores ledger using FIFO, LIFO, Simple Average and Weighted Average Method as tool of material control
- Compute cost of labour using time and differential piece rate system as a tool of labour control
- Design statement showing allocation and apportionment of overhead of service Department to producing department by using various methods
- Analyze the various types of costing

COMPUTER APPLICATIONS PACKAGE FOR MANAGERS (TALLY PRACTICAL) - 19UBA4CC2P

- Create company, groups and ledgers using Tally.
- Create different types of voucher.
- Create different stock categories, stock item and stock group.
- Create cost centres and cost categories in voucher entry.
- Prepare reports such as Day books and Final accounts

COMPANY LAW - 19UBA4AC4

- Explain the basic concepts and different types of companies
- Communicate the knowledge about the formation of companies and contents of the prospects
- To assist the students to understand the different types of shares, debentures and dividend
- Apply the laws governing various formalities about meetings and proceedings
- Ability to identify the duties and responsibilities of directors

EXPORT IMPORT MANAGEMENT - 19UBA4NME2

- Critique the framework of Export and Import in International Scenario
- Design various strategies and practices for Export and Import
- Plan suitable mode of transportation
- Discuss the payment and pricing for Import and Export procedures
- Outline the EXIM Policy in India

E – BUSINESS - 19UBA4SBE1A

- Discuss the e-business process
- Describe an example of system architecture for an e-business
- Identify the major electronic payment issues and options

- Discuss security issues and explain procedures used to protect against security threats

STRESS MANAGEMENT - 19UBA4SBE1B

- Explain the sources and types of stress in order to implement appropriate stress management techniques.
- Analyze effectiveness of stress in human body system and causes of diseases.
- Develop an impact of stress on personality and Perception processes.
- Practice the basic elements of the relaxation response
- Identify common stressors inherent in today's global marketplace

B.COM

COST ACCOUNTING - 19UCO3CC5

- Define the conceptual framework of Cost Accounting
- Illustrate the various types in estimating the Material and Labour Cost
- Identify the various methods of overheads allocation and to prepare reconciliation statement
- Analyse the cost structure with various methods of costing for managerial decisions

BANKING THEORY LAW & PRACTICES - 19UCO3CC6

- List out the concepts of Banking Regulation Act, functions of commercial banks and its role in economic development
- Identify the functions of product and services offered in a banking sector
- Build knowledge about the various electronic payment methods

CUSTOMER RELATIONSHIP MANAGEMENT - 19UCO3AC3

- Define the conceptual framework of CRM
- Explain the requirements of CRM strategy
- Make use of CRM approaches to influence Customer satisfaction and loyalty
- Analyze the latest trends in CRM

ELEMENTS OF INSURANCE - 19UCO3NME1

- Define the conceptual framework of Insurance
- Explain the features and procedures of various types of Insurance policies
- Identify the methods of premium calculation related to different schemes.
- Analyse the latest trends and challenges in Insurance
- Analyze the ethical issues and social aspects of advertising

BUSINESS STATISTICS - 19UCO4CC7

- Define the fundamental concept of Measures of Central Tendency

- Compute various coefficients to measure Dispersion and Skewness
- Applying the good knowledge of probability helps to make sense of uncertainties
- Predict the cause accruing when price level changes

INFORMATION TECHNOLOGY – PRACTICALS - 19UCO4CC1P

- Define the basic concepts and principles of information technology
- Demonstrate the information systems and its network
- List out the statistical functions available in MS-Excel
- Determine appropriate use each of the Microsoft Office programs to create professional and academic document
- Create and design a word document, spread sheet and power point presentation

BUSINESS LAW - 19UCO4AC4

- Define the concept of contract and state the law relating to Indian Contract Act
- Explain the different elements of contract, performance of contract and different modes of discharge of contract
- Illustrate the application for registration of partnership
- List out the objectives of competition act

ADVERTISEMENT MANAGEMENT - 19UCO4NME2

- Recall the conceptual framework of advertising
- Explain the formulation of advertising through effective marketing strategy to promote the product and service for economic development
- Identify the recent era in advertising and its powerful tools
- Analyze the ethical issues and social aspects of advertising

COMMUNICATION SKILLS - 19UCO4SBE1A

- List out the techniques required to build skills on content writing
- Explain the listening skills through various demonstrations
- Develop their speaking skills through debate and discussion
- Analyze the grammatical knowledge to improve the communicative skills

GREEN MARKETING - 19UCO4SBE1B

- Define the fundamental concept of green marketing and green products
- Explain about environment consciousness and its guidelines
- Identity the various factors that affect purchase decision of consumers and its initiatives

B.COM CA

BUSINESS ACCOUNTING - 19UCC3CC5

- Understanding the Accounting Principles adopted in a Partnership Firm
- Explain the methods of dissolution of the Partnership Firm
- Prepare the transactions of Branch Accounts and Departmental Accounts
- Infer the accounting procedures related to Fire Insurance Claim, Hire Purchase, Instalment Accounting and Royalty accounts

DATABASE MANAGEMENT SYSTEMS - 19UCC3CC6

- Describe the Data Models with Relationships and Transaction Management.
- Illustrate the principles of Functional Dependencies, Normalization, Relational Algebra and Relational Calculus.
- Implement Operators in database queries and sub queries.

BUSINESS TOOLS FOR DECISION MAKING - 19UCC3AC2

- Recall the basic concepts of Statistics
- Apply the formulas on Central Tendency and Dispersion
- Identify the linear relationship between the variables through Correlation and Regression
- Analyse the Time Series, Price and Quantity Index Numbers

ELEMENTS OF INSURANCE - 19UCO3NME1/19UCC3NME1

- Define the conceptual framework of Insurance
- Explain the features and procedures of various types of Insurance policies
- Identify the methods of premium calculation related to different schemes.
- Analyse the latest trends and challenges in Insurance

COST ACCOUNTING - 19UCC4CC7

- Define the fundamental concepts of Cost Accounting
- Explain the different methods of Labour Turnover and compute Remuneration
- Identify relevant costs for different types of Managerial Decisions
- Analyse the various methods of overheads allocation and prepare reconciliation statement

BUSINESS LAW - 19UCC4AC3

- Define the concept of contract and state the law relating to Indian Contract Act
- Explain the different elements of Contract, Performance of Contract and different modes of Discharge of Contract

- Illustrate the process for Registration of Partnership
- List out the objectives of Competition Act

ADVERTISEMENT MANAGEMENT - 19UCO4NME2/19UCC4NME2

- Recall the conceptual framework of advertising
- Explain the formulation of advertising through effective marketing strategy to promote the product and service for economic development
- Identify the recent era in advertising and its powerful tools
- Analyze the ethical issues and social aspects of advertising

COMMUNICATION SKILLS - 19UCO4SBE1A/19UCC4SBE1A

- List out the techniques required to build skills on content writing
- Explain the listening skills through various demonstrations
- Develop their speaking skills through debate and discussion
- Analyze the grammatical knowledge to improve the communicative skills

GREEN MARKETING - 19UCO4SBE1B/19UCC4SBE1B

- Define the fundamental concept of green marketing and green products
- Explain about environment consciousness and its guidelines
- Identity the various factors that affect purchase decision of consumers and its initiatives

B.Sc MATHEMATICS

DIFFERENTIAL EQUATIONS AND LAPLACE TRANSFORMS - 19UMA3CC4

- Define Laplace transform & its inverse.
- Illustrate the notion of order & degree of the ordinary differential equations.
- Rephrase the partial differential equations by eliminating constants and arbitrary functions.
- Apply the method of variation of parameters for finding the solutions of second order ordinary differential equations.
- Compute general, singular & particular integrals for standard forms.
- Solve the ordinary differential equations by Laplace Transforms and inverse Laplace transforms.

CLASSICAL ALGEBRA AND THEORY OF EQUATIONS - 19UMA3CC5

- Explain relation between roots and co-efficients of Polynomial equations.
- Apply symmetric functions in solving equations and find sum of rth power of roots.
- Compute transformation of equations and solve Reciprocal equations.

- Interpret the quotient and remainder, Find removal of terms and form an equation whose roots are anypower.
- Describe transformation in general with Descarte's rule of signs.
- Classify inequalities in all manners.
- Explain theory of numbers with its applications.

MATHEMATICS FOR COMPETITIVE EXAMINATIONS-I - 19UMA3NME1

- Solve the Problems on Numbers and Problems on Ages.
- Explain the concept of time and distance, Calendar and Clock.
- Apply the concept of Data Interpretation in various types of Graphs.
- Distinguish the concept of Series Codes, Relationships, Analogy and Classification.
- Explain the concept of Logical Reasoning.

SEQUENCES AND SERIES - 19UMA4CC6

- Explain the concepts of convergent sequences, divergent sequences and series.
- Apply the ideas of sequences in Algebra of limits.
- Compute the behavior of monotonic functions.
- Apply the theory of Cauchy's condensation test and Cauchy's root test on series.
- Solve the problems based on binomial, logarithmic and exponential series.
- Examine infinite series using D' Alembert's ratio test.

DISCRETE MATHEMATICS - 19UMA4MBE1A

- Illustrate the concepts on statements and truth tables.
- Describe the properties of lattices and some special lattices.
- Apply the ideas of tautology in statements.
- Relate the notion of normal forms and its types.
- Apply the theory of Boolean Algebra and its functions.
- Compute the inference theory of predicate calculus and its characteristics.

AUTOMATA THEORY - 19UMA4MBE1B

- Study Deterministic and Nondeterministic Finite state automata.
- Outline the Chomsky classification of languages.
- Understand the concepts of Regular Expressions.
- Identification of problem arise in Home appliances Carry out fault rectification.
- Apply the simplification of context free grammars.

MATHEMATICS FOR COMPETITIVE EXAMINATIONS-II - 19UMA4NME2

- Solve decimal fractions and simplification.

- Explain the concept of square roots, cube roots, Average, profit .and loss.
- Apply the concept of Ratio & Proportion and Problems on Trains.
- Identification of problem arise in Home appliances Carry out fault rectification.
- Apply the concept of Permutations &Combinations, Odd Man Out & Series.

B. Sc PHYSICS

THERMAL PHYSICS & STATISTICAL MECHANICS - 19UPH3CC3
- Define Laws of thermodynamics
- Interpret Maxwell thermodynamic relations
- Explain transmission of heat
- Summarize Statistical thermodynamics
- Apply the Specific heat of solids and gases

PHYSICS PRACTICAL-III - 19UPH3CC3P
- Apply the physics principle involved in the various instruments; also relate the principles to new application.
- Understand the theoretical concepts of transmission of heat with the experimental knowledge
- Use the theoretical ideas of spectrometer
- Expand the creative skills that are essential for industrial applications

CHEMISTRY –I 19UPH3AC4
- Recall the types of crystal structure and terms involved in kinetics and chemical equilibrium.
- Compare the theories of bonding with metal atoms.
- Discuss the properties of benzene, naphthalene and halogen compounds.
- Apply the concepts of electron displacement effect in organic compounds.

CHEMISTRY PRACTICAL – I - 19UPH3AC1P
- Recall the basic principles of volumetric analysis
- Demonstrate the experimental methods of volumetric analysis
- Compare the hardness present drinking water

TROUBLESHOOTING OF ELECTRICAL APPLIANCES - 19UPH3NME1
- Identify the electronic components in any given appliances.
- Understand the terminology of Soldering & De-soldering technique.

- Understand the working function of electrical appliances
- Identification of problem arise in Home appliances Carry out fault rectification.

ELECTRICITY, MAGNETISM & ELECTRO MAGNETISM - 19UPH4CC4

- Demonstrate a mastery of Coulomb's law for the electric field, and apply it to systems of point charges. Use the principle of superposition and law of Gauss to calculate the electrical forces and the intensity of the electric field in various electricity problems
- Understand the implications of Kirchhoff's rules .
- To calculate the magnetic forces that act on moving charges and the magnetic fields due to currents
- Identify the laws of magneto statics and the various properties of magnetic materials
- Build up strong problem solving skills by effectively formulate a circuit problem using Inductance, Resistance and capacitance.
- Develop the understanding of Dynamo and DC Motor using magnetization principle.

PHYSICS PRACTICAL- IV - 19UPH4CC4P

- Recall the principles of Wheatstone bridge and apply with P.O box.
- Understand the experimental knowledge of Potentiometer and its applications
- Apply the theoretical ideas of Ballistic Galvanometer
- Understand the applications of Spectrometer.
- Develop the understanding of resonance circuits

CHEMISTRY –II - 19UPH4AC5

- Recall the properties and applications of carbohydrates, amino acids and proteins
- Understand the basics of nuclear chemistry
- Apply the basic concepts of photochemistry
- Analyze the concepts of electrochemistry and material science

AUDIO AND VIDEO SYSTEM - 19UPH4NME2

- Describing the basic idea in audio and video.
- Identifying the audio devices.
- Identifying the types of signals, correction in signals and know the transmission techniques.
- Understanding the video section fundamentals.
- Understanding the Gain and noise cancelling.

BIOMEDICAL INSTRUMENTATION - 19UPH4SBE1A

- Tell the fundamental principle and working of the biomedical instruments system
- Explain about types of electrodes

- Illustrate about Instrumentation recording and monitoring.
- utilize knowledge in electrical safety in medical environment
- outline the basic principles in imaging techniques

PHOTOGRAPHY AND VIDEOGRAPHY - 19UPH4SBE1B

- Knowledge and skills in the use of basic tools, techniques, technologies and able to acquaint with basic camera operations.
- Understanding of special features and utility purposes of various types of lenses and able to choose an appropriate lens for the job concerned
- Demonstrate uses of cameras and lighting/digital technologies.
- Utilize the concept of correct exposure and identify correct and incorrect exposure in photographs.
- Apply understanding of aesthetics related to shooting and editing.

B.Sc CHEMISTRY

GENERAL CHEMISTRY-III - 19UCH3CC3

- Recall the basic concepts of s and p-block elements
- Demonstrate the preparation and properties of organometallic compounds.
- Analyze the concepts of thermodynamics
- Outline the basics of qualitative and quantitative analysis.
- Identify the stereochemistry of organic molecules

SEMI MICRO ANALYSIS (P) - 19UCH3CC3P

- Recall the acidic and basic radicals
- Identify the cations and anions present in the mixture
- Demonstrate the experimental methods of group separation

PHYSICS I - 19UCH3AC4

- Recall the basic concepts of properties of matter, laws of gravitation, heat, light and electronics
- Outline the fundamental concepts of mechanics
- Summarize the concepts of thermodynamics and recognize their applications in various real world problems
- Explain the behavior of light and apply the concepts of light
- Identify the applications of electronics in modern gadgets
- Make use of the knowledge of physics in day to day life

PHYSICS PRACTICAL I - 19UCH3AC1P

- Find applications of physics experiments in real world appliances
- Build practical hands on experience by various techniques
- Compare the experimental values with standard values
- Apply the theory to design basic electrical circuits

CHEMISTRY IN EVERYDAY LIFE - 19UCH3NME1

- Indentify various water treatment processes
- Describe the types of fertilizers and their uses
- Explain the characteristics of paint and propellants
- Illustrate various cosmetics, soaps and detergents
- Apply the concept of polymer, fiber and dyes in everyday life

GENERAL CHEMISTRY-IV - 19UCH4CC4

- Compare the different characteristics of d- and f- block elements
- Classification of acids and bases
- Understand preparation, properties and reactions of hydroxyl derivatives.
- Apply the first and second law of thermodynamics
- Analyze the terms of chemical kinetics

ORGANIC QUALITATIVE ANALYSIS (P) - 19UCH4CC4P

- Differentiate the aromatic and aliphatic nature of organic sample
- Identification of special element in organic compound
- Analyze the functional group of organic compounds
- Demonstrate the derivative for functional group

PHYSICS – II - 19UCH4AC5

- Recall the basic concepts of electrostatics, magneto statics, nuclear and atomic physics
- Summarize about atom, nucleus and working of nuclear reactors
- Explain the behavior of laser and fiber optic communication system
- Apply the concepts of magnetism to day to day life
- Construct digital circuits for simple real world problems
- Make use of the knowledge of physics in day to day life.

FOOD ADULTERANTS AND HEALTH CARE - 19UCH4NME2

- Understand food and nutrition
- Identify various food additives, antioxidants and preservatives

- Learn about food adulterants and contaminations.
- Illustrate role of Health care
- Classify the common drugs.

FORENSIC CHEMISTRY - 19UCH4SBE1A

- Identify the fundamental principles and functions of forensic science
- Explain the characteristic features of Indian currency notes, passports
- Analyze the techniques involved in the field of forensics
- Appraise the role of chemistry and other branches in forensics
- Describe the study of Chromatographic techniques

FOOD CHEMISTRY - 19UCH4SBE1B

- Classify components of food by chemical structure.
- Describe the function of lipids, protein, cellulose in daily food intake
- Understand how the chemical components of a food impact the functionality of the overall food product
- Explain the major reactions that occur in foods
- Apply the fundamental structure/function relationships to how they impact the overall food product quality, safety, and shelf life

B.Sc COMPUTER SCIENCE

DATABASE MANAGEMENT SYSTEMS - 19UCS3CC3

- Design ER model to represent simple database application scenario.
- Apply normalization to improve the database design.
- Explain the transaction processing and concurrency control.
- Apply SQL commands to manipulate data.
- Solve a data intensive application using PL/SQL.

SQL & PL/SQL LAB - 19UCS3CC3P

- Identify the operators, basic commands, built-in functions in MySQL.
- Compute Aggregate functions, join operations and string functions.
- Implement RDBMS concept in developing simple applications using MySQL.
- Apply the techniques of Exception Handling using PL/SQL..
- Solve the various types of online applications.

DIGITAL COMPUTER FUNDAMENTALS - 19UCS3AC4

- Outline the knowledge of Numbers and Code system.
- Extend the concept of Boolean Algebra and Logic Gates.
- Apply the Concepts of number conversion as Combinational Logic circuits and Sequential Logic Circuits:
- Utilize the Digital concepts as a memory storage.

DIGITAL & MICROPROCESSOR LAB - 19UCS3AC1P

- Recall the principles of electronics.
- Interpret findings using the correct physical scientific framework.
- Develop skills in handling equipment.
- Design electronic circuits.
- Build hands on experience using various techniques.

OFFICE AUTOMATION LAB - 19UCS3NME1P

- Describe the concepts of Office Package.
- Recognize when to use each of the Office programs to create professional and academic documents.
- Use Office programs to create personal, academic and business documents following current professional and/or industry standards.
- Test the working knowledge of advanced concepts of Office Software.
- Assess oneself to get employment with this practical hands on training.

DATA STRUCTURES & ALGORITHMS - 19UCS4CC4

- Understand storage organization & operations of data structure.
- Demonstrate problems to represent the linear and nonlinear structures.
- Analyse the various types of data structure.
- Discuss various sorting and searching techniques.

DATA STRUCTURES LAB USING C - 19UCS4CC4P

- Identify the basic concepts of data structure.
- Write and debug linear and non linear data structure programs to represent real world problems.
- Apply suitable data structure to design an algorithm in real time problems.
- Construct Programs step-wise by defining functions and calling them.

MICROPROCESSOR AND MICROCONTROLLERS -19UCS4AC5

- Understand the architecture of 8085 and 8051.
- Illustrate the knowledge about the instruction sets of 8085 & 8051.
- Distinguish between 8085 and 8051 architecture.
- Outline the functions of peripheral devices.
- Develop skill in simple program writing for 8085 and 8051 based systems.

MULTIMEDIA LAB - 19UCS4NME2P

- Identify the basic tools and components of a multimedia.
- Create simple shapes using animation editing software and design simple animation by applying shape tweens and motion tweens.
- Apply basic elements and principles of photo editing software to achieve a great photo effect by applying effects like color, shadows, alteration of backgrounds, cropping and collage making

PC PACKAGES & MULTIMEDIA LAB - 19UCS4SBE1AP

- Explain / Outline the concepts of MS Office – Word, Excel, Power Point.
- Analyze /Recognize when to use each of the Ms Office programs to create professional and academic documents.
- Use MS Office programs to create personal, academic and business documents following current professional and/or industry standards.
- Explain / Outline the concepts of Multimedia.
- Design and implement an animation for various themes and edit the images with the use of Multimedia.

COMPUTER HARDWARE AND TROUBLE SHOOTING LAB - 19UCS4SBE1BP

- Recall the fundamentals of computer components.
- Explain the connection and functions of computer.
- Predict the system problems.
- Build the system with trouble shooting.

B.C.A

DATABASE MANAGEMENT SYSTEMS - 19UCA3CC3

- Explain the basic concepts of database design, architecture and its model.
- Illustrate structure of relational database.
- Apply the various SQL queries in the database.

- Implement the concepts of ER model and its diagram.
- Relate the concept of transaction management in a database environment

DBMS - 19UCA3CC3P

- Recall DDL and DML Commands
- Apply Arithmetic, Logical and Set operators
- Implement string operations
- Use Aggregate Functions in SQL Queries
- Create Nested Sub queries

FINANCIAL ACCOUNTING - 19UCA3AC4

- Define the basic concepts of accounting
- Explain the accounting rules required for business enterprise
- Develop the skills in preparation of financial reports
- Analyze various methods of depreciation

COMPUTER APPLICATIONS IN BUSINESS - 19UCA3AC1P / 19UIT3AC1P

- Recall the basic concepts of components of computer
- Understand the basic features of Tally ERP9
- Prepare different types of financial reports
- Analyse stock group, stock category, stock item and compare stock category summary with godown summary.
- Explain the procedure for GST Registration.

PRINCIPLES OF INTERNET - 19UCA3NME1

- State the dangers in Internet
- Understand the architecture of Internet
- Utilize the Internet
- Discuss on Internet tools
- Apply Internet for entertainment & multimedia

PROGRAMMING WITH JAVA - 19UCA4CC4

- Explain the fundamental concepts in Object Oriented Programming
- List basic programming skills in Java
- Illustrate package and exceptions with example

- Demonstrate the usage of threading and files
- Applet package and Database connectivity

PRACTICAL-IV –PROGRAMMING WITH JAVA -19UCA4CC4P

- Recall basic arithmetic operations, command line arguments and arrays.
- Apply polymorphism, inheritance, interface and packages concepts.
- Implement all string operations.
- Use thread and exception handling concepts.
- Create applet programs

ORGANIZATIONAL BEHAVIOUR - 19UCA4AC5 / 19UIT4AC5

- Define the conceptual framework of organization behaviour
- Explain what leadership is and what makes an effective leader
- Identify the individual characteristics that influence work behaviour and organizational effectiveness.
- Analyse specific strategic human resources demands for future action

PRACTICAL – A - ANIMATION PRACTICALS - 19UCA4SBE1AP

- Recall pen, brush tools in Photoshop
- Apply resolution, grayscale, black and white to an image
- Using layers, masking, rotation, overlapping of an image
- Creating custom colors, gradients, grouping, tweening

PRACTICAL – B - HTML 5 PRACTICALS - 19UCA4SBE1BP

- Understand basic HTML tags
- Create a HTML page using keygen, meter and menu Elements
- Apply audio components and datalist in HTML 5

B.Sc INFORMATION TECHNOLOGY

DATABASE MANAGEMENT SYSTEMS-19UIT3CC3

- Outline the terminology, features, classifications, characteristics and benefits embodied in database systems
- Formulate using relational algebra solutions to a broad range of query problems
- Demonstrate a broad range of SQL query and its application

- Design an information model expressed in the form of an Entity relation diagram
- Apply normalization in relational database design and demonstrate understanding of PL/SQL program interfaces

DBMS LAB-19UIT3CC3P

- Design and implement a database schema for a given problem
- Create and maintain tables using PL/SQL
- Populate and query a database
- Prepare reports
- Application development using PL/SQL & front end tools

INTERNET AND ITS USAGE-19UIT3NME1

- Discuss the terms related to Internet and its Technologies
- Demonstrate the usage of E-Mail and Social works
- Analyse the commands used to create and design web pages
- Apply HTML to create basic web pages
- Design the web content using CSS

FINANCIAL ACCOUNTING-19UIT3AC4

- Define the basic concepts of Accounting
- Explain the accounting rules required for business enterprise
- Develop the skills in preparation of financial reports
- Analyse various methods of depreciation

COMPUTER APPLICATIONS IN BUSINESS -19UIT3AC1P

- Recall the basic concepts of components of computer
- Understand the basic features of Tally ERP9
- Prepare different types of financial reports
- Analyse stock group, stock category, stock item and compare stock category summary with godown summary
- Explain the procedure for GST Registration

PROGRAMMING IN JAVA -19UIT4CC4

- Introducing the basics of platform independent language and its structure

- Illustrate the Object Oriented Programming Concepts with interactivity
- Outline the error handling mechanism
- Experiment with simple programming exercises
- Apply Object Oriented concepts to develop real time applications

JAVA PROGRAMMING LAB -19UIT34CC4P

- Recall basic programming logic with simple example
- Develop Java Application program using Object Oriented Concepts
- Make use of the applet concept to design interactive program
- Create and analyse the real time applications

ORGANIZATIONAL BEHAVIOUR-19UIT4AC5

- Define the conceptual framework of organization behaviour
- Explain what leadership is and what makes an effective leader
- Identify the individual characteristics that influence work behaviour and organizational effectiveness.
- Analyse specific strategic human resources demands for future reaction

WEB DEVELOPMENT TOOL 19UIT4SBE1AP

- Develop a simple web page using basic HTML tags
- Create many frames and link them in HTML
- Design a web page using Forms and Tables
- Embed audio and video in HTML

ANIMATION TOOL - 19UIT4SBE1BP

- Create graphics using design elements
- Illustrate masking effects
- Demonstrate attributes of images
- Model key drawing for animation

INFORMATION SECURITY & CYBER LAWS-19UIT4NME2

- Outline the basics of Information Security, its quality, value and aspects
- Recall the basic concepts of Threats and its counter measures
- Define the types of viruses, its detection and recovery
- Summarize the counter measures for Information security and Cryptography

- Identify Cyber laws for Prevention and Detection

B.Sc MICROBIOLOGY

INTRODUCTORY VIROLOGY - 19UMB3CC3

- Define the basic knowledge of Viruses.
- Select the suitable Purification and Characterization methods of Viruses.
- Compare and Contrast Bacteriophages Life cycle.
- Illustrate impacts of the Plant Viral diseases.
- Organised views of Animal Viruses.

BIOSTATISTICS - 19UMB3AC3

- Explain the basic concepts of biostatistics, functions and limitations.
- Classify the data and sampling deign.
- Compute the measures of central tendency and measures of dispersion.
- Apply the concepts of skewness, moments, kurtosis, correlation and regression to solve the problems.
- Examine the various testing of hypothesis.

HERBAL MEDICINE- 19UMB3NME1

- Define ethno medicine.
- Recite the knowledge about medicinally import and plants.
- Describe about tribal medicine and their uses in diseases.
- Apply the traditional knowledge of medicinal plants in Tamil Nadu.
- Associate of plants in day to day life.

INTRODUCTORY VIROLOGY& IMMUNOLOGY-PRACTICALS- 19UMB3CC2P

- Identify and isolate bacteriophages from sewage.
- Illustrate of various immune hematological techniques.
- Describe the virus cultivation methods.
- Apply knowledge about selected bacterial plant and animal viruses.
- Organized view on bacterial, plant and animal viruses.

BIOSTATISTICS AND BIOINFORMATICS -PRACTICALS -19UMB3AC2P

- Identify and collect various data for representation using biological materials.
- Illustrate t' test, 'chi' square, standard error and Deviation using SPSS programme.
- Compared views on Nucleic acid sequence databanks.
- Compute multiple sequence alignment.

- Construct nucleic acid and protein structure databases.

IMMUNOLOGY - 19UMB4CC4

- Understand the history and types of immunity.
- Demonstrate the various antigen-antibody techniques.
- Differentiate the structure of MHC, Cytokines and lymphokines.
- Explain immuno technology and its applications.
- Explain the knowledge about hypersensitivity reactions.

COMPUTER APPLICATION IN BIOLOGY - 19UMB4AC4

- Define the basics of computer.
- Recite the knowledge about internet.
- Critique knowledge about bioinformatics.
- Generalize the structure and classification of protein visualization tools.
- Expand about the role of computers in biology.

PHARMACOGNOSY - 19UMB4NME2

- Outline study of traditional Indian medicine.
- Explain the needs of crude drugs.
- Demonstrate the crude and commercial drugs.
- Compile view of Organoleptic study.
- Relate the analytical Pharmacognosy of available medicinal plants.

MUSHROOM TECHNOLOGY - 19UMB4SBE1A

- Differentiate edible and Poisonous mushrooms.
- Examine cultivation system of mushroom.
- Create an nutrient profile of mushroom.
- Formulation of mushroom food preparation.
- Determine health benefits of mushroom.

CLINICAL PARASITOLOGY- 19UMB4SBE1B

- Generalize diagnostic techniques in parasitology
- Examine the clinical significance of *Entamoeba histolytica*
- Elaborate the pathogenicity of *Leishmania donovani*
- Discuss about the *Plasmodium spp.*
- Determine *Taenia solium*

B.Sc BIOTECHNOLOGY

rDNA TECHNOLOGY - 19UBT3CC3

- Utilize Knowledge on various tools & principles in Genetic Engineering
- Recall the knowledge on creation of genomic libraries & explain the strategies in generating transgenics.
- Contrast the methods of gene cloning using different vectors & assessing a recombinant plasmid
- Technical knowhow on versatile techniques in Recombinant DNA Technology and to employ them in isolation procedures.
- Outline the applications of Genetic Engineering in basic and applied biology, proficiency in designing and conducting experiments involving genetic manipulation for societal applications.

LAB in rDNA TECHNOLOGY - 19UBT3CC3P

- Demonstrate the genomic DNA isolation method from different sources.
- Describe the method of Agarose Gel Electrophoresis.
- Illustrate about the restriction digestion and ligation of DNA.
- Outline a clear and concise idea about transformation.
- Identify the recombinant DNA products.

BIOCHEMISTRY - 19UBT3AC2

- Study the structures and functions of biomolecules
- Outline the metabolism of macromolecules- proteins and nucleic acids
- Understand the regulations and disorders of metabolic pathways
- Impart knowledge in principles and applications of Biochemistry
- Obtain knowledge in Pharmaceutical, Microbial and Industrial Biochemistry.

LAB IN BIOCHEMISTRY - 19UBT3AC2P

- Outline the process of separation of plant pigments by chromatographic techniques
- Apply the various methods for the estimation of proteins, lipids and carbohydrates
- Analysis of Blood glucose level
- Analysis of Enzyme Kinetics for various enzymes

BASICS OF BIOTECHNOLOGY - 19UBT3NME1

- Understand the basic concepts and significant findings in the field of biotechnology.
- Understand the structure and function of cells and organelles

- Learn the basic structure of DNA, RNA and understand the flow of genetic information
- Apply the existing techniques in waste management
- Explore more advanced application based aspects in biotechnology

IMMUNOLOGY - 19UBT4CC4

- Demonstrate the types of cells involved in immune system.
- Describe the agents of nonspecific immunity.
- Illustrate about the structure and functions of immunoglobulins and monoclonal antibodies.
- Outline the clear and concise idea about Vaccines.
- Obtain Knowledge in transplantation and Tumor immunology.

LAB IN IMMUNOLOGY - 19UBT4CC4P

- Demonstrate the methods to Identify the Blood Cells
- Experiments for Enumeration of Blood Cells
- Techniques for Plasma and Serum Separation and Identify the Blood Groups
- Apply the diagnostic skills for identification of certain diseases, immunological techniques.

PLANT ANATOMY AND PHYSIOLOGY - 19UBT4AC4

- Compare the account of anatomy of Dicot stem and Monocot stem
- Classify the internal structure of Dicot root and Monocot root
- Sketch the various pathway for translocation of minerals in plants
- Analyse the utilization of plant hormones in agriculture
- Design various biochemical pathways to characterize C3 and C4 plants

APPLIED BIOTECHNOLOGY - 19UBT4NME2

- Define the importance of biotechnology in the field of life science
- Outline the principle and application of biotechnology in food industry
- Explain the efficiency of microbes in waste treatment and pollution control
- Apply the concept of DNA fingerprinting in forensic science
- Interpret regulations and guidelines for ensuring biosafety measures for protection of public health and environment.

INFORMATION IN OMICS AND APPLICATIONS -19UBT4SBE1A

- Develop knowledge on the basics of omics and their versatile applications
- Understand the omics data analysis
- Integration of omics approaches for improvement of life

- Technical skills and knowledge development on versatile techniques in omics
- Explore more advanced application based aspects in omics

BIOINFORMATICS - 19UBT4SBE1B

- Understand the basic concepts and terminologies in bioinformatics
- Learn the basic online biological resources and databases
- Learn and apply the online softwares and tools for macromolecular structure prediction and sequencing
- Apply the bioinformatics tools in medicine for drug discovery and identification of novel drugs
- Apply the bioinformatics ideas in different fields and explore upcoming areas of interest in bioinformatics

B.Sc NUTRITION AND DIETETICS

PRINCIPLES OF NUTRITION -19UND3CC3

- Identify food sources of macro and micro nutrients.
- Explain the inter–relationship between health and nutrition.
- Interpret the excess and deficiency disease with a particular nutrient.
- Describe the evaluation of macronutrients.
- Relate water and electrolyte balance.

PRINCIPLES OF NUTRITION- PRACTICAL - 19UND3CC3P

- State the comparison of measurement of raw and cooked volume of food.
- Explain the food sources of macro and micro nutrients.
- Give examples of macro and micro nutrient rich recipes.
- Interpret the nutrient content of the recipe.
- Apply the procedure involved in estimation of fibre, fat and nitrogen.

NUTRITIONAL BIOCHEMISTRY - 19UND3AC3

- Identify the types of enzymes involved in metabolism.
- Explain the role of hormones in the human body.
- Describe the structure, properties, classification, function, synthesis and metabolism of macronutrients and micronutrients.
- Illustrate the sugar inter-conversions.
- Compute ATP synthesis formed during the metabolism.

NUTRITIONAL BIOCHEMISTRY & CLINICAL BIOCHEMISTRY – PRACTICAL-19UND3AC2P

- Name the chemical s used in qualitative and quantitative analysis.
- Explain the procedure for quantitative analysis.
- Interpret the analytical results.
- Describe the analysis of blood and urine abnormalities in relation to disease conditions.
- Apply calorimetry and chromatography techniques.

BASICS IN NUTRITION - 19UND3NME1

- Define principles in basic nutrition.
- Explain nutrient classifications and deficiency disorders of macronutrients.
- Illustrates the sources, requirements and functions of micronutrients.
- Interpret the assessment of nutritional status.
- Apply techniques in nutritional education

NUTRITION THROUGH LIFE CYCLE -19UND4CC4

- List nutritional requirements for all age groups.
- Explain the balanced diet and food groups.
- Explain the physiological changes that take place during pregnancy and lactation.
- Give examples of weaning food and low cost supplementary foods.
- Compute nutritive values for different age groups according to RDA.

NUTRITION THROUGH LIFE CYCLE-PRACTICAL - 19UND4CC4P

- Identify the physiological changes that take place during all age groups.
- Explain the importance of RDA for all age groups.
- Describe the meal plan according to the age group.
- Interpret the nutrient content of the planned recipe with RDA.
- Prepare a planned meal based on the RDA for all age groups.

NUTRITIONAL BIOCHEMISTRY & CLINICAL BIOCHEMISTRY –PRACTICAL

- **19UND3AC2P**

- Name the chemicals used in qualitative and quantitative analysis.
- Explain the procedure for quantitative analysis.
- Interpret the analytical results.
- Describe the analysis of blood and urine abnormalities in relation to diseased conditions.
- Apply colorimetry and chromatography techniques.

CLINICAL BIOCHEMISTRY - 19UND4AC4

- Identify Biochemical data.
- Explain Carbohydrate disorder
- Assess Protein disorders.
- Illustrate fat disorders.
- Prepare appropriate technique to evaluate various organ Functions.

NUTRITION FOR THE FAMILY - 19UND4NME2

- Identifies the interrelationship between health and nutrition.
- Explain menu planning principles for different stages of lifecycle.
- Explain importance of RDA.
- Interpret nutritional problems throughout the lifecycle.
- Apply basic therapeutic principles in menu planning.

REGIONAL CUISINES - 19UND4SBE1A

- Identifies the role of spices in Indian cookery.
- Describe the characteristics of regional cuisines.
- Describe the food habits of various Indian regions.
- Categorize cooking methods applied in Indian regional cuisines.
- Categorize speciality cuisines of Indian festivals.

BASICS IN FOOD PRODUCTION - 19UND4SBE1B

- Identify uses of equipment in food production.
- Explain pre-preparation techniques for Cooking.
- Illustrate basic preparation of salads, soups and sauces.
- Describe egg, fish and meat cookery.
- Apply bakery principles and techniques in the preparation of cakes, cookies and biscuits.

PG - COURSE OUTCOME

MA TAMIL

தொல்காப்பியம் - பொருளதிகாரம் - I - முன் ஐந்து இயல்கள் (இளம்பூரணர்உரை) - 19PTA3CC9

- தமிழரின் அக,புறவாழ்வுநெறிகளைக் கணித்தல்
- தமிழரின் அக,புறமரபுமாற்றங்களைஆராய்ந்தறிதல்
- அக,புறப் பாடல் திணை, கூற்று,துறைகளைமதிப்பிடுதல்
- தமிழ் அக,புறக் கோட்பாடுகளைஉருவாக்குதல்

சங்க இலக்கியம் - 19PTA3CC10

- சங்க அக,புறமரபுகளைப் பகுத்தறிதல்
- சங்கப்பாக்களில் திணை,துறைக் கோட்பாடுகள் பொருந்தியுள்ளமையைமதிப்பிடல்
- சங்கமக்களின் மாண்புகளைத் தொகுத்துரைத்தல்
- சமுதாயஉறவுமுறைகளைஆராய்ந்தறிதல்

அற இலக்கியம் - 19PTA3CC11

- தமிழரின் அறஉணர்வினைக் கணித்தல்
- தமிழரின் வாழ்வியலைஆராய்ந்தறிதல்
- அற இலக்கியங்கள் தோன்றியசமூகஅரசியல் பொருளாதாரச் சூழலை மதிப்பிடல்
- காலந்தோறும் உருவானஅறச் சிந்தனைகளைத் தொகுத்தல்

தமிழ் இலக்கணவரலாறு - 19PTA3CC12

- திராவிடமொழியினக் கூறுகளைக் கணித்தல்
- தமிழ் இலக்கண நூற்பிரிவுகளைஆராய்ந்தறிதல்
- தமிழ் இலக்கண நூல்களின் வளர்ச்சிநிலையினைமதிப்பிடல்
- தமிழ் இலக்கண நூல் கோட்பாட்டைஉருவாக்குதல்

ஆராய்ச்சிநெறிமுறைகள் - 19PTA3EC3A

- தரவுகளைச் சேகரிக்கும் முறையினைக் கணித்தல்
- ஆய்வுமுறையின் படிநிலைகளைப் பகுத்தாய்தல்
- புதியகண்டுபிடிப்புகளையும்,விளைவுகளையும் முடிவுகளையும் நிறுவுதல்
- புதியஆய்வேட்டினைஉருவாக்குதல்

தமிழர்வளர்த்தகலைகள் - 19PTA3EC3B

- கலைகுறிக்கவையைப்பைகளைக் கண்டரிகல்
- கலைவரலாற்றைவிளக்குதல்
- தமிழரின் கலைகுறித்தநுண்மாண் நுழைபுலத்தைக் கணித்தல்

- பல்வேறுகலைவடிவங்களைப் பகுத்தாராய்தல்

தொல்காப்பியம் - பொருளதிகாரம் - **II** – பின் நான்கு இயல்கள் (பேராசிரியர்உரை)19PTA4CC13

- தொன்மையானதமிழ் மரபியல் கூறுகளைக் கணித்தல்
- இலக்கியங்களில் இடம்பெறும் மெய்ப்பாட்டுஉத்திகளைஆராய்ந்தறிதல்
- இலக்கியங்களில் உவமைப் பயன்பாட்டைமதிப்பிடல்
- தமிழ்ச் செய்யுள் அமைப்பினைத் திறனாய்தல்

திராவிடமொழிகளின் ஒப்பிலக்கணம் - **19PTA4CC14**

- மொழிக் குடும்பங்களைக் கணித்தல்
- திராவிடமொழிகளுக்கு இடையிலானஉறவைஆராய்ந்தறிதல்
- திராவிடமொழி இலக்கணங்களைமதிப்பிடல்
- திராவிடமொழிக்கோட்பாட்டை உருவாக்குதல்

மக்கள் தகவல் தொடர்பியல் - **19PTA4EC4A**

- தகவல் தொடர்பின் முக்கியத்துவத்தினைக் கண்டறிதல்
- தகவல் பரிமாற்றத்திற்கு பயன்படும் தகவல் தொடர்பு சாதனங்களின் வரலாறு குறித்து விவரித்தல்
- தகவல் தொடர்பு சாதனங்களின் அமைப்பு மற்றும் அவை செயல்படும் விதத்தினை ஆராயந்தறிதல்
- சமூக வளர்ச்சிக்குத் தகவல் தொடர்பு சாதனங்களின் பங்களிப்பினை இணைத்தறிதல்

பண்பாட்டுமானுடவியல் - **19PTA4EC4B**

- மானிடவியலின் தோற்றம் வளர்ச்சியைக் கணித்தல்
- மானிடவியலின் வகைகளைப் பட்டியலிடுதல்
- மானிடவியல் குறித்ததரவுகளைப் பகுத்தாய்தல்
- பண்பாட்டுமாற்றம் குறித்தகோட்பாடுகளைத் தொகுத்தல்

பெண்ணியம் - **19PTA4EC5A**

- பெண்ணியச் சிந்தனைகள்,பெண் விடுதலை இயக்கங்கள் குறித்துகணித்தல்
- பெண்ணியக் கோட்பாடுகள், வகைகள், இந்தியப் பெண்ணியச் சிந்தனைகளைப் பகுத்தாய்தல்
- பெண்களுக்கானசட்டங்கள்,அரசுத்திட்டங்கள் குறித்துவிவரித்தல்
- பெண் எழுத்தாளர்களின் படைப்புகள் குறித்துவிவாதித்து,புதியபடைப்புகள் படைக்கும் திறன் பெறுதல்

அகராதியியல் **19PTA4EC5B**

- அகராதிகளின் தோற்றம் மற்றும் வளர்ச்சியைக் கணித்தல்
- சொல்,பொருள் வகைகளைஆராய்ந்துஅறிதல்
- மொழிகற்பதற்குஅகராதியின் தேவையைமதிப்பிடுதல்

- அகராதியின் வகைகளை இனங்காணல்

M.A. ENGLISH

ASIAN LITERATURE IN ENGLISH - 19PEN3CC9

- Apply the language skills and knowledge of critical thinking in a practical context that include completing an internship or designing and completing a special project.
- Analyse on different fictional and non-fictional genres to explore and represent issues of contemporary transcultural contexts.
- Compare and contrast the writing styles and generic forms of different cultural backgrounds in different periods of Asian Cultures.
- Evaluate the motifs of nature in poetry focusing on multi- lingual, social-political issues in post-colonial literature.
- Develop cultural awareness by thinking analytically and comprehensively about regional and global affairs.

RESEARCH METHODOLOGY - 19PEN3CC10

- Analyze research methodologies identifying its types, forms of communication and kinds of discourse in existing literature.
- Classify appropriate Library Resources – Journal Articles and Printed Periodicals.
- Assess the technicalities of framing thesis statement.
- Formulate the various forms of Plagiarism and enunciate the mechanics of writing.
- Integrate the format of thesis by converting Bibliography into list of Works Cited.

ENGLISH LITERATURE FOR UGC EXAMINATIONS - 19PEN3CC11

- Demonstrate various concepts in English Language and Literary theories
- Interpret the literary work with literary theories
- Explain the origin and development of the various genres in Literature
- Assess the literary work across and down the ages

LITERARY CRITICISM II - 19PEN3CC12

- Demonstrate an understanding of history of Cultural Studies and its key concepts
- Analyse and explain major theories that both influence and came out of cultural studies

- Evaluate the impact of the concepts like cultural materialism, ethnocentrism and cyber culture
- Think analytically and critically about a range of cultural theories and its influence
- Critically understand the process of appropriations involved in the making of 'culture'

ACADEMIC WRITING - 19PEN3EC3A

- Adapt academic writing procedures and strategies for different purposes
- Find, analyze and synthesize the various types of academic writing
- Construct a passage with appropriate mechanics, usage, grammar and spelling conventions
- Produce prodigious drafting of paragraphs, essays, reports and letters
- Review scientific and professional genres including digital texts, summaries, abstracts and critical reviews

INDIAN DIASPORIC LITERATURE - 19PEN4CC13

- Asses the postcolonial themes of diasporic literature with reference to geography.
- Examine the factors determine the writing and reception of literature.
- Examine the changing historical, political, socioeconomic, and cultural contexts
- Appraise the complex and fragmented history in the reformulation of cultural.

NEW LITERATURE - 19PEN4CC14

- Interpret the text intensively and distinguish its salient features
- Compare and contrast the writers from around the world and their unique styles
- Appreciate the literary works at varied levels of comprehension
- Perform research, analysis, and criticism of literary and cultural texts from different genre.
- Critical analysis to the reading of texts across multiple cultural and linguistic traditions, and various historical periods.

AWARD WINNING AUTHORS (NOBEL LAUREATE 1913 – 2020) - 19PEN4EC4A

- Assess the different techniques employed by the prominent Writers.
- Examine the concepts of various Genres.
- Classify the dramas in English Literature and also diagnose the literary awards.
- Appraise the way the writers tried to create an impact and contribute through writings.

- Compile the characters in the works of Award-Winning writers.

NORTH EAST INDIAN LITERATURE - 19PEN4EC5A

- Discover the aesthetic experience of North East Indian Literature.
- Inferwide spectrum of social, political, cultural, and aspirational concerns.
- Assess the factors which influence and contribute in literary production especially for the women writers.
- Evaluate the inappropriate notion of homogeneity mirrored in the Indian Literature in the practice of Tokenism.

M.S.W. SOCIAL WORK

STRUCTURE AND FUNCTIONS OF SOCIAL WORK FOR COMPETITIVE EXAMS - 20PSW3CC6

- Explain the concept of Social Welfare Administration
- Identify the Social Welfare Agencies
- Examine the Social policies of various sections of society
- Explain the programmes of weaker sections
- Explain the role of Legislations
- Analyse laws dealing with Social problems

PUBLIC HEALTH - 20PSW3CC7A

- Explain the concepts of health and public health
- Identify communicable disease and Non-communicable Diseases
- Identify the role of social worker in Public health
- Assess Health care Models
- Discuss about National Health Program

WOMEN WELFARE AND HEALTH - 20PSW3CC7B

- Outline the international perspectives of health.
- Understand the problems of Women. Understand the status of Women health
- Outline the welfare schemes meant for Women.
- Apply the laws pertaining to Women.
- Identify the factors of Women Empowerment.
- Evaluate the critical issues of women health

HUMAN RESOURCE MANAGEMENT - 20PSW3CC7C

- Explain the various thoughts and functions of management to practice in the organization
- Interpret the concept of human resource management and its various Functions in industry
- Develop the knowledge on employee welfare and Labour Problems in working Environment.
- Assess the knowledge on Compensation and formulation wage Structure
- Elaborate the Social Work practices in industries

RURAL & TRIBAL COMMUNITY DEVELOPMENT - 20PSW3CC7D

- Explain the basic concepts, principles and approaches in Rural and Tribal Community Development
- Describe the features of Rural and Tribal Communities
- Examine the various traditional and conventional methods, strategies, policies, programmes and developmental efforts towards Rural and Tribal Community Development
- Explain the Social Structure, Social Relations and Institutions related to Rural and Tribal communities
- Analyse the role and contribution of Professional Social Worker in the developmental process.

MEDICAL SOCIAL WORK - 20PSW3CC8A

- Define the concept &Types related to disability
- Understand the roles of Social Worker in Hospital Settings
- Examine the implications of Illness & disability
- Apply methods of social work
- Assessing the problems of patients in different settings
- Outline the importance of extension services
- Evaluate the needs of the patients & their families

CHILD RIGHTS AND CHILD PROTECTION - 20PSW3CC8B

- Understand the problems of Children
- Outline the Rights of Children

- Summarize the Policies pertaining to children
- Apply laws on children.
- Evaluate international perspectives of child rights and child protection

LABOUR LAWS AND INDUSTRIAL RELATIONS - 20PSW3CC8C

- Interpret the labour legislations regulating work conditions and working hours in their Work Environment.
- Develop the knowledge legislation related to employment and protect the rights of employees in the industry.
- Analyse the legislations related to wages and social security of employees in the society.
- Explain the concept of Industrial relations and to settle the grievances in the *Industry*
- Elaborate the knowledge on Social Insurance and Employment Assistance Program etc.

URBAN COMMUNITY DEVELOPMENT - 20PSW3CC8D

- Explain the basic concepts, principles and approaches in Urban Community Development.
- Describe the features of Urban Communities
- Examine the various traditional and conventional methods, strategies, policies, programmes and developmental efforts towards Urban Community Development
- Explain the Social Structure, Social Relations and Institutions related to Urban communities
- Analyse the role and contribution of Professional Social Worker in the developmental process.

SOCIAL WORK PRACTICUM - 20PSW3CC3P

- Develop knowledge regarding the Specialized Area.
- Survey the numerous problems of the Clients in the specialized area.
- Deduct the specific problems of the client group.
- Recommend an area of a mini research study.
- Plan policies and programmes based on the findings of the mini research study

CORPORATE SOCIAL RESPONSIBILITY - 20PSW3EC4A

- Analyse the theoretical perspective of CSR

- Explain the relationship between ethics, morals and values at Workplace
- Formulate CSR policies
- Analyse the causes and evaluate CSR policy
- Critique the current trends and opportunities of CSR

LIFE SKILLS AND SOFT SKILLS FOR SOCIAL WORKERS - 20PSW3EC4B

- Demonstrate presentation skills.
- Explain life skills.
- Articulate public addressing.
- Utilize soft skills.
- Build effective relationships with the clients

PSYCHIATRIC SOCIAL WORK - 20PSW4CC9A

- Outline the concepts of psychiatry
- Apply the Methods of social work in Psychiatry
- Classify psychiatric illness and disorders
- Evaluate therapeutic interventions
- Elaborate the roles and functions ofsocial worker in psychiatricsettings

WELFARE OF THE YOUTH AND AGED - 20PSW4CC9B

- Define the concepts and problems of youth
- Illustrate youth movement in India & youth welfare
- Identify the problems involving in the process of ageing.
- Discuss the issues of aged
- Evaluate the programs and services for aged
- Analyse the new strategies and plans for Social work with Aged

ORGANISATIONAL BEHAVIOUR - 20PSW4CC9C

- Explain the concept of organizational behaviour and how the Individual Behaviour influenced by Personality, learning, attitude and perception
- Interpret the group behaviour and in the aspect of Motivation and decision Making.
- Examine the dynamics of organization behaviour in the aspect of Culture, Climate and Conflicts
- Assess the concept of Organisational change and practices of Organizational Development and its intervention techniques

- Combine the trends in OB practice

DEVELOPMENT PLANNING, POLICY AND PRACTICE - 20PSW4CC9D

- Describe the conceptual understanding of Development
- Discuss on needs of Policy Analyst, Planners and Practitioners in understanding the intricacies and processes of policy making.
- Classify the need and importance of multi-level planning and implementation
- Develop students with integrated policy making, planning and practice related skills
- Evaluate experiences and contextualize the learning of India in a student Perspective

SOCIAL WORK PRACTICUM - 20PSW4CC4P

- Develop knowledge regarding the Specialized Area.
- Survey the numerous problems of the Clients in the specialized area.
- Deduct the specific problems of the Client Group.
- Recommend an area of a Mini Research study.
- Plan policies and programmes based on the findings of the Mini Research study

BLOCK PLACEMENT - 20PSW4CC5P

- Categorize various client groups and their problems.
- Analyse practice skill and integrate learning.
- Prioritize the immediate problems of the clients.
- Evaluate understanding of reality situations through involvement in day to day work.
- Adapt to the role of a professional social worker

DISASTER MANAGEMENT - 20PSW4EC5A

- Classify the types of disaster and its impact.
- Identify emergency services for Rescue and relief phases of Disaster.
- Discover psychological first aid for disaster survivors.
- Discover psychological first aid for disaster survivor
- Assess the impact of disaster and provide psychosocial care
- Formulate disaster resilience role of social workers.

YOUTH AND MARGINALIZED SECTIONS - 20PSW4EC5B

- Define the concept of Marginalization
- Enlist the policies for protection of marginalized

- Describe about marginalized sections
- Discuss about caste and social exclusion
- Explain the needs of marginalized
- Outline the approach to Social Inclusion

RESEARCH PROJECT WORK - 19PSW4PW

- Summarise the social problems to be studied
- Interpret literature Pertaining to the study.
- Examine Research Proposal.
- Evaluate findings of the study
- Formulate solutions and recommend for policy making

M.COM

ADVANCED CORPORATE ACCOUNTING - 19PCO3CC9
- Apply the new format in the preparation of Company Final Accounts, Banking and Insurance Company Accounts.
- Analyze the valuation of Goodwill, Shares and list out various Accounting Standards.
- Assess Human Resource Accounting
- Solve problems on the Underwriting of Shares, Debentures, Mergers, Amalgamation and Reconstruction of Companies.

BUSINESS RESEARCH METHODS – I - 19PCO3CC10
- Understand the basic concepts of Research and Identify the Research Problem
- Select the Research approach and adopt the Sampling Design
- Analyze the Methods of Data Collection and develop the instrument
- Explain the various criteria for Questionnaire Designing
- Create a Research Proposal

COMMERCE FOR COMPETITIVE EXAMINATIONS - 19PCO3CC11
- Apply the Mathematical and Logical Reasoning Ability
- Analyze the Latest Development in Banking, International Business and ICT
- Explain the Concepts of Business Management, Environment, Economics and Finance
- Solve Problems in Income Tax, Business Statistics, Financial Accounting, Cost and Management Accounting

R PROGRAMMING – PRACTICALS - 19PCO3CC1P

- Use import data from CSV to R

- Explain the data manipulation in R

- Build statistical analysis using R package

- Prepare visual representation of data for plotting graphs

DIGITAL MARKETING - 19PCO3EC3A

- Make use of Concept of Digital Marketing and apply search Management in the Digital era

- Examine the various Non Linear Marketing Approach with the Latest Developments and Strategies

- Plan and Practice Web analytics in Correlation with Social Networking regarding Digital Marketing cases from India.

ADVERTISEMENT& SALES PROMOTION - 19PCO3EC3B

- Identify the importance of Advertisement and Sales Promotion techniques in Modern Marketing era

- Analyze the Advertising Process and Strategy

- Interpret on the Selection criteria of Advertisement Media

- Discuss the required Skills for a Good Salesmanship

BUSINESS TAXATION - 19PCO4CC12

- Apply the basic concepts of Income Tax and Residential Status of an Individual

- Examine the Taxable Income of Salary and House Property of an Individual

- Determine the Total Income of Business or Profession, Capital Gain and Other Sources

- Create e-filing of Tax and GST

BUSINESS RESEARCH METHODS – II (PRACTICALS) - 19PCO4CC2P

- Develop thehypotheses to value the population parameters.

- Analyze the data with SPSS

- Compare the dependence and independence methods in multivariate data analysis.

- Formulating and Testing research hypothesis.

MANAGERIAL BEHAVIOUR & EFFECTIVENESS - 19PCO4EC4A

- Apply the managerial dimensions for effective job behavior

- Examine managerial styles in terms of concern for production and concern for people

- Assess different systems of management and relate these systems to organizational characteristics

- Develop the managerial skills to enhance the competitive sprit through creativity and innovation.

ENTERPRISE RESOURCE PLANNING - 19PCO4EC4B

- Make use of the technical aspects of ERP and its Modules
- Analyze the concept of ERP implementation system
- Determine the objectives and application of supply chain management
- Build a theoretical approach on strategies to be resumed for a successful ERP process

ENTREPRENEURSHIP & NEW VENTURE CREATION - 19PCO4EC5A

- Identify various Governmental and Non - Governmental support schemes offered to the entrepreneurs.
- Distinguish the types of entrepreneurship and the modes of Business Networking.
- Assess the commercial viability of new technologies and business opportunities
- Create Business Plans that Articulate and apply the Entrepreneurial Competencies

PROJECT MANAGEMENT - 19PCO4EC5B

- Outline the project management concepts
- Identify the project resource and infer the appraisal techniques
- Examine the methods of financing of projects and analyze the cost control techniques
- Evaluate Project Proposal
- Develop Feasible Projects

M.Sc MATHEMATICS

REAL ANALYSIS – II - 19PMA3CC10

- Apply the concepts of derivatives, the mean-value theorem in various problems.
- Classify the functions of bounded variations and rectifiable paths.
- Ascertain the notion of Riemann-Stieltjes integral.
- Diagnose the concept of convergence of sequences and series of functions.
- Discriminate the fundamentals of multivariable calculus, directional derivative, total derivative of functions and Jacobian matrix.
- Evaluate extremum problems using implicit function theorem.

MEASURE AND INTEGRATION - 19PMA3CC11

- Classify the convergence in measures.

- Ascertain the various aspects of Lebesgue measure.

- Distinguish the relation between Riemann and Lebesgue integral.

- Examine about measure space and compute the integration with respect to the measure.

- Diagnose the measurability in product space.

- Evaluate the integration of non-negative functions and series.

- Appraise the signed measures by decomposition..

ANALYTICAL SKILLS FOR COMPETITIVE EXAMINATIONS - 19PMA3CC12

- Solve the Problems on Numbers and Problems on Ages.

- Apply the concept of linear transformations.

- Prepare the consequences of Matrices.

- Explain the Diagonalizability and Canonical Forms.

- Choose the basis in inner product space.

COMPUTATIONAL NUMERICAL ANALYSIS - 19PMA3EC2A

- Apply various methods to solve transcendental and polynomial equations.

- Solve system of linear algebraic equations and Eigen value problems.

- Classify the various techniques of interpolation and approximation.

- Compute the integration and differentiation problems.

- Determine the various methods to solve ordinary differential equations.

FLUID DYNAMICS - 19PMA3EC2B

- Apply Euler's and Bernoulli's equations and the conservation of mass to determine velocities, pressures, and accelerations for incompressible and inviscid fluids.

- Apply Laplace equation and its relation to elementary plane flows of inviscid fluids: sinks, sources, vortex flows, and superposition of these flows.

- Compute the Navier - Stokes equations of Motion of a Viscous Fluid.

- Solve problems in Viscous Flow.

- Distinguish the concepts of rotational and irrotational flows of stream functions & velocity potentials.

- Analyze a variety of practical fluid-flow problems and utilize fluid dynamics principles.

PROBABILITY THEORY AND MACHINE LEARNING - 19PMA3EC3A

- Compute functions, Inverse functions, Random variables.

- Classify discrete probability space, General probability space, Induced probabilityspace.
- Examine the various distribution functions.
- Determine expectations and Moments.
- Evaluate the convergence of Random Variables

STOCHASTIC PROCESSES - 19PMA3EC3B

- Relate the basic concepts of Stochastic Processes.
- Classify the various states space and chains of the Stochastic Processes.
- Describe the birth and death process of Markovian.
- Apply the renewal processes in continuous time.
- Determine the steady state behavior and transient behavior of M/M/1 model and GI/M/1 model.

FUNCTIONAL ANALYSIS - 19PMA4CC13

- Relate the concepts of groups, rings and linear transformation.
- Apply general principle of Banach Algebra to define the regular and singular elements of topological divisors and prove spectral radius formula.
- Determine the concepts of Hilbert Space and discriminate different types of operators.
- Analyze the structure of Commutative Banach Algebras to prove the Gelfand Neumark theorem.
- Compose clear, accurate proof of Hahn Banach Theorem, Open Mapping Theorem using continuous linear transformation and Conjugate of an operator.
- Generalize finite dimensional spectral theory for different types of operators.

COMPLEX ANALYSIS - 19PMA4CC14

- Apply the basic concepts of Elementary Point Set Topology and Conformality.
- Ascertain the basic properties of Harmonic function and theorem and series.
- Examine the Local Properties and theorems of Analytic functions.
- Evaluate definite integral by Cauchy's theorem and Residue theorem.
- Evaluate line integral, Cauchy's integral formula for higher derivatives.

OPTIMIZATION TECHNIQUES - 19PMA4EC4A

- Solve Integer Programming by various types.
- Classify several Dynamic Programming problems.
- Compute Decision Theory problems and solve problems on games.
- Predict Inventory models and solve them accordingly.
- Diagnose Non-linear Programming problems.

FUZZY SETS AND THEIR APPLICATIONS - 19PMA4EC4B

- Explain the basic concepts of Fuzzy set theory.
- Classify the operations on Fuzzy sets and Fuzzy measures and give examples.
- Relate type-2 Fuzzy sets with Fuzzy numbers.
- Compose clear and accurate proofs using the concepts of Fuzzy relations and Fuzzy graphs.
- Develop Fuzzy concepts to compute Fuzzy decision, Fuzzy Linear Programming Program, Dynamic Programming.

DIFFERENTIAL GEOMETRY - 19PMA4EC5A

- Define space curves and the concepts of fundamental existence theorem.
- Explain the notion of surfaces and their intrinsic properties.
- Ascertain various concepts on geodesics.
- Deduce non intrinsic properties of a surface.
- Classify Differential Geometry of several surfaces.

AUTOMATA THEORY - 19PMA4EC5B

- Relate the concepts of Deterministic and Nondeterministic Finite Automata and Grammars.
- Determine the implementation of Lexical analyzers.
- Compare Pushdown Automaton with Context free languages.
- Develop the concepts of Lexical analyzers.

M.Sc PHYSICS

STATISTICAL MECHANICS - 19PPH3CC7

- Explain the concept of thermodynamics
- Evaluate the mean free path
- Explain the classical statistics
- Discuss the quantum statistics
- Distinguish phase transitions

SOLID STATE PHYSICS - 19PPH3CC

- Explain the fundamental principles and crystal structure of the solid materials
- Identify the mode of vibrations in the atoms
- List the materials behavior of the electric properties and category the ferroelectric crystals

- Explain the magnetic properties and its applications
- Develop the basic concepts of superconductors materials

PHYSICS FOR COMPETITIVE EXAMINATIONS - 19PPH3CC9

- Explain the digital techniques and applications
- Evaluate the error analysis
- Explain the measurement methods
- Discuss the atomic & molecular physics
- Distinguish the different spectroscopies

PHYSICS PRACTICAL – III (GENERAL AND ELECTRONICS) - 19PPH3CC3P

- Study the electrical and magnetic behaviour of Semiconductor materials.
- Learn about the potential of optics applications in different areas of research and development.
- Analyse and apply the characteristics of memory units and electrical circuit.
- Apply the concepts of operational amplifier to design differential amplifier.

CRYSTAL GROWTH AND THIN FILM PHYSICS - 19PPH3EC3A

- Outline the basic knowledge of growth phenomena and discuss the theoretical aspects of nucleation.
- Apply the experimental ideas of low temperature solution growth mechanism.
- Analyze the concepts on vapour growth techniques
- Explain the process of thin films sample preparation method.
- Formulate the latest developments in characterization techniques and analyze the usage of materials.

MATERIAL CHARACTERIZATION AND MEASUREMENT TECHNIQUES - 19PPH3EC3B

- Illustrate the basic knowledge of optical microscope and image formation
- Demonstration of X-ray diffractometer and its applications.
- Analyze the concept on electron microscope
- Examine the formationof SEM&TEM images
- Discuss the latest developments in measurement techniques and to analyze the usage of materials.

NUCLEAR AND PARTICLE PHYSICS - 19PPH4CC10

- Outline the models of nucleus
- Explain the properties of elementary particles

- Analyze the nuclear radioactivity and reactions
- Estimate the different kind of reactors
- Determine the classification of elementary particles

PHYSICS PRACTICAL – IV (ELECTRONICS) - 19PPH4CC4P

- Acquire basic knowledge of digital logic levels and its application.
- Analyse and construct combinational logic circuits
- Demonstrate practical skills in functioning and testing the digital system.
- Take projects in electronics relevant to industrials.

NONLINEAR OPTICS - 19PPH4EC4A

- Explain sources and propagation of optical electromagnetic waves.
- Illustrate nonlinear phenomena from the fundamental perspective of quantum mechanics.
- Develop a detailed physical and mathematical understanding of a variety of systems and processes in a range of advanced topics in physics
- Analyze basic concepts and applications effectively.
- Appraise the ability to perform research and development projects using advanced theoretical and experimental skills and tools.

SPACE PHYSICS - 19PPH4EC4B

- Explain principal environments of the solar system.
- Illustrate the physical theories that control the qualitative properties of different space plasma phenomena.
- Develop an understanding of how space physics has a practical impact on everyday life in the field of space weather.
- Calculate the quantitative behaviour of different space physics phenomena using various analysis method.
- Identify ways in which experimental studies of space physics phenomena have advanced our understanding of basic plasma physics in the field of research.

NANOPHYSICS - 19PPH4EC5A

- Classify the dimensional nanostructure materials
- Identify the carbon nanostructures and their properties
- Analyze the synthesis of nanomaterials
- Explain the characterization techniques used for nanomaterials

- Discuss the applications of nanomaterials

ASTROPHYSICS - 19PPH4EC5B

- Explain the Positional Astronomy: Measurement of distances, and angular positions of celestial objects.
- Identify the Physical Principles involved in stellar processes. Structure and evolution of stars
- Examine the physics of the formation of White Dwarfs and Neutron stars. Dynamics of Binary stars
- Explain the Types of Galaxies, Dynamics of stars in a galaxy and its implication for dark matter.
- Discuss the Expansion of the Universe and evolution of temperature in the Universe. 21 cm Cosmology.

M.Sc CHEMISTRY

PHYSICAL CHEMISTRY-II - 19PCH3CC6

- Discuss the chemistry of macromolecules
- Solve the application of spectroscopy
- Examine the applications of wave mechanics to simple system
- Compare the different techniques of surface chemistry
- Differentiate the ionic and electronic part of electrochemical reactions and their Applications

CHEMISTRY FOR COMPETITIVE EXAMINATIONS - 19PCH3CC7

- Describe the medicinal value of bio- inorganic compounds
- Interpret the spectrum of the molecules and calculate the point group
- Explain the types of bonds and shapes of the molecules
- Compare the properties of f-block elements and analyze the catalytic behavior of organometallic compound
- Choose the reagent and predict the mechanism of the reaction

PHYSICAL CHEMISTRY I (P) - 19PCH3CC5P

- Explain the techniques to carry out operation of physical chemistry
- Evaluate activation energy of a reaction, CST of immiscible liquids, colligative property to determine molecular weight, Association factor
- Construct phase diagram of two and three component system

PHARMACEUTICAL CHEMISTRY

- Prediction of malarial, infectious, autoimmune and celiac diseases

- Relate the usage of drugs for asthma and allergic
- Diagnosis the prevention and treatment of all diseases
- Assessment of antibiotics and antiseptics
- Critique the usage of drugs in day today life

BIOORGANIC CHEMISTRY - 19PCH3EC2B

- Describe the preparation, properties of amino acids, proteins and lipids
- Outline the mechanism of enzymes and cofactors
- Apply the concept of Bioenergetics
- Analyze the principles of disconnection approach of organic synthesis
- Distinguish between stereoselective and stereospecific reactions

INSTRUMENTATION TECHNIQUES - 19PCH3EC3A

- Interpret the data analysis with different samples
- Predict the quality of different water samples
- Identify the instruments and methods used to separate, identify, and quantify matter
- construct the Instrumental methods used to separate samples using chromatography
- Point out the Classical quantitative analysis uses mass or volume changes to quantify amount

PHYSICAL METHODS IN CHEMISTRY-II - 19PCH4CC8

- Explain the principles of NMR, IR, Raman, Mossbauer and electronic spectroscopy
- Identify the applications of electronic spectroscopy to study the structure of molecules
- Solve Δ_0 and β for metal complexes
- Analyze the spectrum of certain chemical compounds in qualitative
- Assess the structure of a compound by various spectral data

PHYSICAL CHEMISTRY PRACTICALS – II - 19PCH4CC6P

- Analyze the electrical data
- Estimate the concentration of ions using Potentiometer
- Estimate the concentration of ions using Conductometer

INDUSTRIAL CHEMISTRY - 19PCH4EC4A

- Classify the fuels as saturated hydrocarbon, unsaturated hydrocarbons and aromatic hydrocarbons
- Outline the steps involved in the manufacturing of pulp, paper, glass and ceramics.
- Illumination the structure and properties of the materials used in the cosmetics and perfumes
- Analyze the milk products, composition and processing of milk

SELECTED TOPICS IN CHEMISTRY - 19PCH4EC4B

- Discussing about chemistry of pesticides
- Discussing about the various Naming Reactions in Organic Synthesis
- Appraise the essentials of clinical chemistry
- Explain the different steps in leather processing and analyze the effluent problems in tanneries
- Discuss about Fundamentals of Radio chemistry

CHEMISTRY OF NANOSCIENCE - 19PCH4EC5A

- Classify different types of concerted methods of synthesis of nanomaterials
- Identify the nanoparticles by characterization
- Distinguish between clusters and nanostructures
- Discuss the applications in electrochemical field
- Predict the applications of nanoscience in the agricultural and food processing field

BIOFUELS - 19PCH4EC5B

- To understand basic concepts about biomass derived energy
- To acquire the concept of 1st generation, 2nd generation and advance biofuels
- To understand terminologies related to biomass conversion and biofuel production
- To describe techno-economic analyses of biofuel conversion technologies To apply biomass-derived energy in different applications

M.Sc COMPUTER SCIENCE

COMPUTER SCIENCE FOR COMPETITIVE EXAMINATIONS - 19PCS3CC7

- To understand the need for preparing competitive exams
- To study the basic concepts of core subjects in computer science
- To inculcate the knowledge of implementation of various concepts

BIG DATA ANALYTICS - 19PCS3CC8

- Understand the fundamentals of Bigdata analytics.
- Describe the Hadoop architecture and File system.
- Apply the MapReduce Programming model for real-world problems.
- Explore the concepts of NoSQL databases.
- Explore the concepts of NoSQL databases.

PYTHON AND R LAB - 19PCS3CC3P

- Write and debug simple Python programs with loops and conditions.

- Use Python lists, tuples, dictionaries for representing compound data and apply file concept in Python.
- Construct Python programs step-wise by defining functions and calling them.
- Create a dataframe and exporting data into various file formats in R.
- Apply Machine Learning algorithm in R.

BLOCKCHAIN - 19PCS3EC3A

- Define blockchain, types, applications &limitations.
- Explore blockchain, cryptography concepts.
- Enumerate bitcoin and other alternatives.
- Differentiate various contracts.
- Propose IoT in various sectors

PARALLEL PROCESSING -19PCS3EC3B

- Discuss the concepts of parallel processing including various kinds of system architectures.
- Illustrate the issues and techniques in improving performance of SIMD Computers.
- Compare the pipeline and parallel concepts.
- Categorize the Multiprocessor systems, cache coherence and Interconnection networks.

COMPILER DESIGN - 19PCS3EC3C

- Construct grammars and automata for regular language.
- Analyze the knowledge of patterns, tokens & regular expressions for solving a problem.
- Develop new code optimization techniques for improving the performance of a program in terms of speed & space.
- Predict symbol table and generate intermediate code.

ROBOTIC PROCESS AUTOMATION -19PCS3EC4A

- Learn Robotic Process Automation and its Features.
- Explore Control Flow and Decision Making.
- Enumerate Clipboard Management.
- Differentiate various controls.

MACHINE LEARNING -19PCS3EC4B

- Describe the theory underlying machine learning.
- Classify knowledge about Modeling and prediction and basic feature engineering.

- Use linear models and non-linear models.
- Make inferences on algorithm using tree, rule based models and analyze reinforcement learning techniques.
- Construct algorithms using Python and R.

IOT -19PCS3EC4C

- Illustrate IoT enabling Technologies.
- Analyze applications of IoT in real time scenario.
- Design a portable IoT using Raspberry pi / equivalent boards and relevant protocols.

CLOUD COMPUTING - 19PCS4CC9

- Explain the cloud paradigm and its various forms of services.
- Illustrate the architecture, infrastructure and delivery models.
- Apply suitable virtualization concepts.
- Solve problems using cloud toolkit.
- Create interactive mobile services.

DIGITAL IMAGE PROCESSING - 19PCS4CC10

- Understand the fundamentals concepts of digital image processing and image transforms.
- Analyze images in the frequency domain using various transforms.
- Evaluate the techniques for image enhancement and image restoration.
- Interpret image segmentation techniques.
- Compare various compression techniques.
- Apply image processing algorithms in practical applications

FOSS LAB - 19PCS4CC4P

- Ability to install and run open-source operating systems.
- Explain open source project structure and how to successfully setup a project.
- Ability to contribute software to and interact with Free and Open Source Software development projects.
- Exploring the Hadoop Distributed File System (HDFS).

WIRELESS SENSOR NETWORKS - 19PCS4EC5A

- Define the wireless sensor, various platforms and its issues.
- Review the various deployment mechanisms.
- Construct the MAC layer and its issues.
- Differentiate architectures, functions and performance of wireless sensor networks systems and its platforms.

- Propose various routing protocols

MANET - 19PCS4EC5B

- State the adhoc networks, characteristics and its features.
- Review the protocol design issues of adhoc networks.
- Examine the transport layer issues.
- Compare QoS related performance measurements of ad hoc and sensor networks.

MOBILE COMPUTING - 19PCS4EC5C

- Illustrate the concepts of Multiplexing, GSM Architecture and its Protocols.
- Analyze Messaging and Location based services.
- Categorize Activities, Fragments, Intents & Views.

M.SC. MICROBIOLOGY

INDUSTRIAL MICROBIOLOGY - 19PMB3CC7

- List the Concept and History of Strain development.
- State the Fermentor and Fermentation media.
- Explain the Fermentation Products.
- Describe the Production of Pharmaceutical Products.
- Prepare the Production and Purification Industrial important Microbial Products.

CLINICAL MICROBIOLOGY - 19PMB3CC8

- Describe and Classify the various pathogens.
- Diagnose the various bacterial pathogens.
- Examine and differentiate the various fungal infections.
- Analyse various human viral diseases.
- Examine and Categorize different types of parasitic diseases.

MICROBIOLOGY FOR COMPETITIVE EXAMINATIONS - 20PMB3EC3A

- Explain the taxonomy principles and concepts.
- Understanding the basics of inheritance Biology.
- Extend the Knowledge about microbes in Agriculture.
- Understand the basic concepts of cell development and its impacts.
- Expand the knowledge about Bio-nano-informatics.

FOOD ADULTERATION - 19PMB3EC3B

- Predict the properties of Biomolecules.
- Determine the common food contaminants.

- Critique knowledge about microbial food poisoning.

- Compare various regulations of food safety agencies.

- Expand about food preservation methods.

BIOMEDICAL LABORATORY TECHNOLOGY - 19PMB3EC3C

- Predict the laboratory safety measures.

- Determine the uses of laboratory equipments.

- Critique knowledge about sample collection.

- Critique thinking of reagent preparation.

- Expand about organ function and infection.

RECOMBINANT DNA TECHNOLOGY - 19PMB3EC4A

- Understand the steps in recombinant DNA/RNA modifying enzymes.

- Infer the features of various types of gene cloning vectors.

- Analyze the gene cloning strategies in recombinant DNA.

- Explain the techniques involved in genetic engineering.

- Discuss the problem solving aspect of recombinant technology.

MICROBES IN SOLID WASTE MANAGEMENT - 19PMB3EC4B

- Understand the Types of Wastes.

- Analyze the methods of different waste collection.

- Classify the nuclear wastes.

- Explain the techniques involved in biomedical wastes management.

- Discuss the problem solving of hazardous wastes.

MICROBIAL NANOTECHNOLOGY - 19PMB3EC4C

- Define the basics of bionanotechnology.

- Acquire the knowledge about microbial nanotechnology.

- Critique knowledge about characterization of nanoparticles.

- Explain the application of nanoparticles.

- Expand about merits and demerits of nanoparticles.

INDUSTRIAL MICROBIOLOGY AND CLINICAL MICROBIOLOGY PRACTICAL - 19PMB3CC3P

- Organized view of industrially important Microbes and their growth nature.

- Critique knowledge about Production and Estimation of Microbial Products.

- Calculate the Microbial Product recovery.

- Explain the techniques involved in Clinical Specimen collection.

- Discuss the Isolation and Identification of Pathogens from Clinical specimens.

MICROBIAL BIOTECHNOLOGY - 19PMB4CC9

- Understand the primary and secondary screening of microbes.
- Determine the applications of microbes.
- Explain about Bio control agents and its mode of action.
- Elaborate the industrial production and preservation techniques.
- Expand about functions of IPR& Bio safety.

MOLECULAR BIOLOGY & MICROBIAL GENETICS - 19PMB4CC10

- Understand the basics of molecular biology.
- Analyze central dogma of molecular biology.
- Interpret nucleotide sequence change and repair mechanism.
- Explain the significance of vectors and bacterial genetics.
- Discuss gene expression and transposons.

BIOINFORMATICS & BIOSTATISTICS - 19PMB4EC5A

- Understand scope and popular databases of bioinformatics.
- Explain sequence alignment methods.
- Explain drug development using bioinformatics.
- Compute the measures of central tendency.
- Examine the various large sample testing of hypothesis.

ENTREPRENEURIAL MICROBIOLOGY - 19PMB4EC5B

- Outline study of Entrepreneurial Microbiology.
- Explain the composting process & biofertilizer production.
- Prepare and formulate microbial metabolites.
- Compile on types of fermented foods.
- Relate on various mushroom production.

MOLECULAR TAXONOMY AND PHYLOGENY - 19PMB4EC5C

- Determine the methods of taxonomy.
- Critique the levels of structural organization
- Evaluate the taxa and phylogenetic concepts.
- Generalize the gene regulations and genetic map.
- Compile & analyse phylogenetics.

MICROBIAL BIOTECHNOLOGY, MOLECULAR BIOLOGY& MICROBIAL GENETICS- PRACTICALS - 19PMB4CC4P

- Predict the application of Immobilization.
- Determine the Commercial production methods of Microbial Products.

- Compare the genomic and plasmid DNA separation methods.

- Expand the knowledge about PCR, Restriction digestion and ligation of DNA.

- Critique knowledge about protein Separation method.

M.Sc FOOD SERVICE MANAGEMENT AND DIETETICS

PRINCIPLES OF HOME SCIENCE - 19PFS3CC7

- Describe basic properties of food, different cooking techniques, food standard and therapeutic management.
- Predicts malnutrition, ecological factors, nutritional problems and their management.
- Classify various fabrics and procedures in apparel designing.
- Associate resource management with consumer issues and fundamentals of design in housing.
- Evaluate physical and physiological human development with respect to family
- relationship.
- Plan appropriate communication tools for extension education.

RESEARCH METHODS AND STATISTICAL TECHNIQUES - 19PFS3CC8

- List different types of research.
- Compile various types of data.
- Compute and evaluate the data processing using diagram and graphical representation.
- Ascertain sampling techniques and apply the same for thesis and report writing.
- Assess central tendency variation and relate the results.
- Conceive probability distributions and apply it for tests of significance using SPSS.

CATERING INTERNSHIP - 19PFS3CC3P

- Define Commercial and Non Commercial food service institutions.
- Explain types of record maintained in different working areas.
- Classify different types of menu.
- Determine the hierarchy of the establishment.
- Assess and calculate food cost.
- Design and develop check sheets

FOOD MICROBIOLOGY AND SANITATION - 19PFS3EC3A

- Identify the types of microorganisms.
- Explain the morphology of microorganisms.
- Classify beneficial effects of microbes in food products.
- Determine the risk factors of microorganisms in food products.
- Evaluate the hygiene and sanitary practices.
- Compile the various food standards to maintain the quality of foods.

NUTRITION IN CLINICAL CRITICAL CARE - 19PFS3EC3B

- List the types of infection.
- Explain nutritional assessment methods for critically ill patients.
- Predict complications of enteral and parenteral nutrition.
- Diagnose nutritional status of critically ill patients.
- Evaluate role of nutrients in critical care.
- Design the nutritional requirements for natural calamities.

FOOD PRODUCT DEVELOPMENT - 19PFS3EC4A

- Define the principles of food product development.
- Explain the factors influencing food product development.
- Prepare ready to serve food items.
- Examine the trends in modern food processing industries.
- Evaluate the sensory aspects of the food.
- Plan financial sources for entrepreneurial ventures.

BASIC FOOD ANALYTICAL TECHNIQUES -19PFS3EC4B

- List the objectives of food analysis.
- Explain instrumental methods used for food analysis.
- Illustrate types of chromatographic techniques.
- Determine components and application of Hyphenated techniques.
- Evaluate the application of spectroscopic techniques.
- Integrate Differential techniques used in food analysis.

QUANTITY FOOD PRODUCTION AND SERVICE - 19PFS4CC9

- List the various types of food service institutions.
- Classify menu and courses of menu in service institution.
- Apply principles of purchasing and storage techniques in pre-preparations.
- Determine standardization of recipes and portioning.
- Appraise hygiene and sanitation and safety procedures in food production.

- Design kitchen layout with effective work simplifications.

FOOD SERVICE MANAGEMENT - 19PFS4CC10

- Identify commercial and non – commercial food service institutions.
- Explain the principles, functions and tools of management.
- Predict the significance of planning and organization in the managerial process.
- Determine the importance of tools of management.
- Evaluate the role of motivation in management.
- Generalize the significance of controlling in the managerial process.

QUANTITY FOOD PRODUCTION AND SERVICE – PRACTICAL - 19PFS4CC4P

- List types of menu.
- Explain standardization of recipes.
- Classify different courses of the menu.
- Determine role of ingredients in various regional cuisines.
- Assess recipe standardisation techniques.
- Design table setting techniques.

MANAGEMENT AND ACCOUNTING IN HOSPITALITY INDUSTRY - 19PFS4EC5A

- Define the management and importance of hospitality management.
- Explain the scope of the hospitality industry.
- Apply the basic strategies involved in marketing.
- Analyze financial statements by using basic accounting techniques.
- Assess the types of various records used in front office area.
- Devise food and beverage cost control techniques.

COUNSELLING SKILLS - 19PFS4EC5B

- List various avenues for counselling.
- Explain counselling techniques.
- Apply counselling techniques to various groups.
- Determine the nature of clients.
- Evaluate the impact of counselling.
- Design counselling pattern according to client's demand.

PROJECT WORK -19PFS4PW

- Define the research design.
- Describe a research problem.
- Classify collected data.
- Examine collected data and associate with statistical tool.

- Assess and publish papers in reputed research journals.
- Develop Proposals to apply for minor research projects.