**SJM ARTS, SCIENCE AND COMMERCE COLLEGE, CHANDRAVALLI, CHITRADURGA 577501**
**DEPARTMENT OF COMMERCE**
TEACHING PLAN FOR THE YEAR 2018-19

NAME OF THE FACULTY : B M SWAMY
DESIGNATION : ASST. PROFESSOR

| CLASS/ SEMESTER | NO. OF PERIODS | MONTH | SYLLABUS TO BE COVERED |
|---|---|---|---|
| 1 B COM (CBCS) | 4 /WEEK | JULY | PRINCIPLES AND PRACTICE OF MANAGEMENT Course Objectives: To equip the students with the Principles of Management and Managerial Practice. Pedagogy: A Combination of Class-room Lectures, Case Analysis, Group Discussions, Student Presentations and Field Work.Course Inputs Module-I: Introduction to Management 15 Hours Introduction to Management-Meaning, Definition, Nature, Scope, Importance and Functional areas of Management- and Role of a Manager-Managerial Skills-Social responsibility of Management and Ethics. |
| II B.COM (CBCS) | 4/ WEEK | | CORPORATE ACCOUNTING-I Course Objectives: To enable students to acquire skills and to develop knowledge at strategic level. Pedagogy: Combination of Class-room lectures, Case studies, Group Discussion, Seminar Presentations, Soft Skills and Field work. Course Inputs Module – 1: ISSUE OF SHARES AND DEBENTURES: (16 Hours) Introduction, Meaning, and Types of Shares and Share Capital – Issue of Shares, Allotment of Shares, Calls on Shares, Calls-in-Arrears, Calls in Advance, Forfeiture of Shares, Problems on Issue of Shares, Forfeiture and Reissue of Shares and Pro-rata Allotment. Debentures: Meaning, Definition, Types, Difference between Shares and Debentures. |
| III B.COM (CBSC) | 8/ WEEK | | FINANCIAL MANAGEMENT Course Objectives: To develop ability among the students to take financing and investment decisions using various tools and techniques of Financial Management. Pedagogy: Combination of Class-room lectures, Case studies, Group Discussion, Seminar, Soft Skills, Presentations and Field work. Module- 1: INTRODUCTION: (08 hours) Introduction – Meaning of Finance – Business Finance – Finance Function – Aims of FinanceFunction, Organization structure of Finance Department. Financial Management: Meaning, Definition and Objectives of Financial Management. Financial Decisions – Role of a Financial Manager – Financial Planning: Module-2: TIME VALUESteps in Financial Planning, Principles of a Sound Financial Planning.<br><br>RETAIL MANAGEMENT (Elective) Course Objectives: To familiarize the students with the elements of Retail management aspects. Pedagogy: Combination of Class-room lectures, Case studies, Group Discussion, Seminar Presentations, Soft skills and Field work. Module-1: INTRODUCTION TO MODERN RETAIL MANAGEMENT: (10 Hours) Meaning and Definition of Retail, Retailing and Retail Management –Functions of Retailing- Importance of Retailing-Current Retail Scenario in India-Types of Retail Formats- Franchising in Retailing. |
| 1 B COM (CBCS) | 4 /WEEK | AUGUST | Module-II: Planning 12 Hours Meaning, Definitions, Nature, Importance, Types of Planning. Merits &amp; Demerits of Planning, Planning Process- Decision Making- Meaning, Definitions &amp; Importance. |
| II B.COM (CBCS) | 4/ WEEK | | Module–2: VALUATION OF SHARES AND GOODWILL: (16 Hours) Need for valuation of Equity Shares, Fully paid and partly paid shares-Net Asset Method-Yield Method-Fair Market Value Method. Valuation of Goodwill: Meaning, Need, Average Profit Method, Super Profit Method, and Capitalization Method. |
| III B.COM (CBSC) | 8/ WEEK | | Module-2: TIME VALUE OF MONEY: (10 hours) Introduction, Meaning and Definition, Need. Future Value (Even Flow – Uneven Flow and Annuity) – Present Value (Even Flow – Uneven Flow and Annuity), Calculation of EMI.<br><br>Module-2: RETAIL MARKETING: (12 Hours) Retail Marketing Concept-Retail Marketing Mix-Retail Consumer Buying Behaviour- Influence of Group and Individual Factors-Buying Decision Process and Its Implication on Retailing-Customer Service and Customer Satisfaction-Retail Planning Process. |
| 1 B COM (CBCS) | 4/ WEEK | | Module-III: Organizing 16 Hours Introduction - Meaning, Definitions, Nature and Purpose of Organization, Principles ofOrganization - Types of Organization - Line, Staff, Functional &amp; Committee Form-Delegation of Authority &amp; Responsibility and Span of Control. |

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| II B.COM (CBCS) | 4/ WEEK | | Module-3: PREPARATION OF FINANCIAL STATEMENTS OF JOINT STOCK COMPANY: (16 Hours) Introduction, Meaning, Objectives, Types, Importance and Limitations of Financial Statements,Preparation of Financial Statements of a Company (Format as per Schedule III of Companies Act, 2013) in Vertical Format with Note ( excluding Publishing and Hotel Companies). |
| III B.COM (CBSC) | 8/ WEEK | SEPTEMBER | Module-3: INVESTMENT AND DIVIDEND DECISION: (20 hours) Introduction – Meaning and Definition of Capital Budgeting, Features, Significance, Process. Capital Budgeting Techniques - Payback Period, Accounting Rate of Return, Net Present Value, Internal Rate of Return and Profitability Index. Problems thereon. Dividend Decision: Introduction, Meaning and Definition, Determinants of Dividend Policy, Types of Dividends, Problems on Walter and Gorden Model.<br><br>Module-3: RETAIL LOCATION AND OPERATIONS STRATEGIES: (14 Hours) Importance of Retail locations-Factors determining the Location Decision –Interior and Exterior Design-Trade area analysis-Rating Plan Method-Store Layout-Factors affecting Store Layout-Store Facade-Space Planning. Retail Operations: Responsibilities of Store Manager-Store Security-Store Record and Accounting System. |
| 1 B COM (CBCS) | 4/ WEEK | | Module-IV: Directing, Leadership and Motivation 15 Hours Directing- Meaning, Definitions, Nature &amp; Principles of Directing-Leadership- Meaning, Definitions, Importance &amp; Leadership Styles-Motivation- Meaning, Importance &amp; Theories of Maslow and Herzberg. Module-V: Communication, Controlling and Co-ordination 18 Hours Communication- Meaning, Importance &amp; Process of Communication- Controlling- Meaning, Need for Control, Essentials of good control system &amp; Modern Controlling Techniques- Management By Objectives(MBO), Management By Exception (MBE), |
| II B.COM (CBCS) | 4/ WEEK | OCTOBER | Module–4: INTERNAL AND EXTERNAL RECONSTRUCTION: (16 Hours) Meaning, Need, Objectives of Internal Reconstruction - Differences between Internal andExternal Reconstruction - Problems on Internal Reconstruction only. Module –5: LIQUIDATION OF COMPANIES: (16 Hours) Meaning, Types of Liquidation, Preparation of Liquidators Final Statement of Account. Module–6: RECENT DEVELOPMENTS IN ACCOUNTING: (16 Hours) Value Added Statements, Economic Value Added, Environmental Accounting, Commitment to Environment, Brand Accounting, International Accounting, Creative Accounting, |
| III B.COM (CBSC) | 8/ WEEK | | Module-5: WORKING CAPITAL MANAGEMENT: (08 hours) Introduction–Meaning of Working Capital, Significance of Adequate Working Capital, Sources of Working Capital, Determinants of Working Capital, Problems thereon. Module-6: SKILL ORIENTATION: (04 hours) 1 You being the Finance Manager of a Company, advice the management in designing an Appropriate capital structure. 2. How EMI is calculated by banks while granting loans by using time value of money. Illustrate with an example. Module-5: PRICING AND PROMOTION IN RETAILING: (08 Hours) Retail Pricing - Factors Influencing Retail Prices - Controlling Costs-Retail Pricing Strategies. Retail Promotion: Retail Promotion Mix – Advertising - Promotion Strategies - Retail Communication Mix - Relationship Marketing Strategies – CRM - RHRM- GAPs Model and LVC (Life time Value of a Customer)-Understanding Retail Branding. Module-6:EMERGING TRENDS IN RETAIL MANAGEMENT&amp; SKILLS: (08 Hours) E-retailing-Organized Retailing-Impact of Information Technology in Retailing- EDI- |
| 1 B COM (CBCS) | 4/ WEEK | | MARKET AND COST BENEFIT ANALYSIS Course Objectives: To acquaint students in finding business solutions for decision making Pedagogy: Class room Lectures, Assignments and Presentations. Course Inputs Module 1. Demand and supply analysis: Demand – meaning, law of demand, elasticity of demand , determinants of demand, demand forecasting – methods &amp; problems; Supply- law of supply and determinants of supply 15 Hours |

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| II B.COM (CBCS) | 4/ WEEK | DECEMEBER | **CORPORATE ACCOUNTING-II**<br>Course Objectives: The objective is to acquaint the students and make them familiar with the process and preparation of accounts of different types of organizations.<br>Pedagogy: Combination of Class-room lectures, Case studies, Group Discussion, Seminar Presentations, Soft Skills, and Field work.<br>Module-1: FINANCIAL STATEMENTS OF LIFE INSURANCE COMPANIES (16 HOURS)<br>Meaning, Definition and Features of Life Insurance Company, Preparation of Revenue Account and Balance Sheet in vertical Formats with Schedules and Preparation of Valuation of Balance Sheet |
| III B.COM (CBSC) | 8/ WEEK | | **MANAGEMENT ACCOUNTING**<br>Course Objectives: To enable students to acquire theoretical and practical knowledge of Management Accounting for taking managerial decisions.<br>Pedagogy: Combination of Class-room lectures, Case studies, Group Discussion, Seminar Presentations, Soft Skills and Field work.<br>Module-1: INTRODUCTION: (12 Hours)<br>Introduction, Concept, Meaning, Definition, Importance and Scope, Objectives, and Functions. Differences between Financial Accounting, Cost Accounting and Management Accounting. Role and Responsibility of Management Accountant, Advantages and Limitations of Management Accounting.<br><br>**AUDITING AND ASSURANCE**<br>Course Objectives: To make students to learn the basic principles and practice of Auditing and Assurance.<br>Pedagogy: Combination of direct teaching, assignments, soft skills and small group discussions.<br>Module-1: INTRODUCTION TO AUDIT: (08 Hours)<br>Meaning, Definition, objectives, Conduct of Audit, Distinction between Auditing and Accounting – Types Audit: Statutory, Cost, Internal, Continuous and Concurrent, Information Systems Audit (IS) and Annual Audit - Preparation before Audit. |
| 1 B COM (CBCS) | 4/ WEEK | JANUARY | Module 2. Cost analysis and profit planning : Economies of scale , cost – meaning ,types –explicit and implicit cost , incremental cost ,opportunity cost ,TC, AC, MC, FC, VC –behaviour in short and long run ( equations ,problems ) ; BEP – meaning ,chart, problems on unit and value method , margin of safety 18 Hours |
| II B.COM (CBCS) | 4/ WEEK | | Module-2: FINANCIAL STATEMENTS OF GENERAL INSURANCE COMPANIES: (18 HOURS)<br>Meaning, Definition, Features and Types of General Insurance Company, Preparation of Revenue Account, Profit and Loss Account and Balance Sheet of Fire, Accidents, and Marine Insurance in vertical Formats Schedules |
| III B.COM (CBSC) | 8/ WEEK | | Module -2: ANALYSIS AND INTERPRETATION OF FINANCIAL STATEMENTS: (12 Hours)<br>Meaning, Importance and Types of Financial Analysis. Tools: Comparative Financial Statements, Common size Statements, Trend Percentages<br><br>Module-2: INTERNAL CHECK AND VOUCHING: (10 Hours)<br>Internal Check: Meaning, Definition, Essentials of a Good Internal Check -Internal Check Regarding: Cash Purchases, Cash Sales, Wages and Stock. Vouching: Meaning, Definition and Importance - Vouching of Cash Transactions, Credit Purchases and Credit Sales. |
| 1 B COM (CBCS) | 4/ WEEK | | Module 3. Market analysis and pricing decisions; Types of competition – meaning and features of perfect and imperfect ( monopoly , monopolistic, oligopoly ) competition ; Pricing – determinants and methods – cost plus pricing , target pricing , marginal cost pricing , product line pricing, price bidding , new product pricing , pricing over PLC 18 Hours |
| II B.COM (CBCS) | 4/ WEEK | | Module-3: FINANCIAL STATEMENTS OF BANKING COMPANIES: (18 HOURS)<br>Preparation of Profit and Loss and Balance Sheet under New Regulations in Vertical Format with Schedules. |

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| III B.COM (CBSC) | 8/ WEEK | FEBRUARY | **Module-3: RATIO ANALYSIS: (12 Hours)**<br>Meaning, Definition, Significance and Limitations of Ratio Analysis. Classification of Ratios:<br>a) Profitability Ratios: Gross Profit Ratio, Net Profit Ratio, Operating Profit and Cost Ratio. b) Turnover Ratios: Inventory Turnover Ratio, Inventory Conversion Period, Debtors Turnover Ratio, Debt Collection Period, Creditors Turnover Ratio, Debt Payment Period.<br>c) Liquidity Ratio: Current Ratio, Liquid Ratio, Absolute Liquid Ratio.<br>d) Solvency Ratio: Debt Equity Ratio, Proprietary Ratio and Capital Gearing Ratio, Earning Per Share and Return on Capital Employed. Problems thereon.<br><br>**Module-3: AUDITING AND ASSURANCE STANDARDS: (12 Hours)**<br>Standard setting process, Statement on Standard Auditing Practices (SAP) in connection with Accounting Standards. Significance of the Audit and Assurance Standard issued by Institute of Chartered Accountants of India. Responsibility of an Auditor for AAS, Understanding of following Standards. SA200 Basic Principles Governing an Audit, SA200A Objectives and Scope of Audit of Financial Statements, SA230 Auditing Documentation, SA300 Planning an Audit of Financial Statements, SA320 Audit Materiality, SA440 Risk Assessments and Internal Control, SA501 Audit Evidence, SA520 Analytical Procedure, SA700 Auditors Report on Financial Statements. |
| 1 B COM (CBCS) | 4/ WEEK | | Module 4. project planning; Meaning –stages of capital budgeting , components , techniques, simple problems 15 Hours                    Module 5. Linear programing ; Meaning , characteristics , methods , problems on graphical method 10 Hours |
| II B.COM (CBCS) | 4/ WEEK | | **Module-4: FIRE CLAIMS: (10 HOURS)**<br>Introduction-Need-Loss of Stock Policy-Steps for ascertaining Fire Insurance Claim-Treatment of Salvage-Average Clause-Computation of Fire Insurance Claim (excluding Stock of Normal and Abnormal items).<br>**Module-5: INFLATION ACCOUNTING: (14 HOURS)**<br>Meaning-Definition-Need-Importance-Objectives-Merits and Demerits-Problems on Current Purchasing Power Method (CPP) and Current Cost Accounting Method (CCA). |
| III B.COM (CBSC) | 8/ WEEK | MARCH | **Module-6: INCULCATION OF SOFT SKILLS: (04 Hours)**<br>1. Collect information from any Financial Institution, analyse its short-term and long term solvency by using Ratios.<br>2. Collect financial information of any Company for 5 years and analyse and interpret it using Trend Percentage.<br>**Module-5: BUDGETARY CONTROL: (12 Hours)**<br>Meaning of Budget, Budgeting and Budgetary Control - Advantages and Limitations of Budgetary Control – Types of Budget: Problems on Sales Budget, Production Budget, Purchase Budget, Cash Budget, and Flexible Budget.<br><br>**Module-4: COMPANY AUDITORS:(08 Hours)**<br>Appointment, Qualifications, Disqualifications, Rights, Duties and Liabilities of Company Auditor. Audit Report – Types<br>**Module-5: VERIFICATION AND VALUATION OF ASSETS AND LIABILITIES: (10 Hours)**<br>Meaning, Definition, Methods of Valuation. Verifications and Valuation of Land and Building, Plant and Machinery, Goodwill, Creditors and Bills Payable.<br>**Module-6: AUDIT UNDER COMPUTERISED INFORMATION SYSTEM: (12 Hours)**<br>Audit trials, special audit techniques. Audit software, Test data. Procedures to conduct audit- control procedure to be adopted by the auditor in applying computer assisted audit technique- characteristics of an effective computer audit programme system— |

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# SJM COLLEGE OF ARTS, SCIENCE & COMMERCE, CHANDRAVALLI, CHITRADURGA

| ACADEMIC YEAR: 2022-23 | | LESSON PLAN | | SEMESTER : I, III & |
|---|---|---|---|---|
| Programme : B.Sc. | | Department: mathematics | Name of the Faculty : pavithra SR. | |

| Class | No. of Hours per Week | Aug / Sep | Sep / Oct | Oct / Nov / Dec | Dec / Jan |
|---|---|---|---|---|---|
| III Sem | | Sequence of numbers defn of a sequence lt of a sequence algebra of limit of a sequence convergent divergent and oscillatory sequ | Problems are there on Bounded sequence every convergent sequence is bounded - converse is not true - monotonic sequence and their properties cauchy's sequence | Infinite sequence defn of convergent divergent and oscillatory defn of sequence standard properties and result test of convergence of series | comparison test D. Alemberts Ratio test - Rabe's test cauchy's Root test absolute convergence and leibnitzs test for alternating series |
| Bsc III paper-5 5th sem CBCS | 14 hrs. | Rings and Subrings Examples and properties following two defn ideals, principal and maximal ideals in a commutative Ring Examples and standard properties | Homomorphism and Quotient rings Integral domains and fields Examples and properties. following the definitions | Rings of integral modulo-n istais a field iff n is a prime. A field is an integral domain - A finite integral domain is a field. | polynomial Rings over field divisibility Division algorithm. Remainder theorem computation of zeros - Irreducible polynomials. Eisen - stein's criterion |

Sign of H.O.D

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# SJM COLLEGE OF ARTS, SCIENCE & COMMERCE, CHANDRAVALLI, CHITRADURGA

| ACADEMIC YEAR: | | LESSON PLAN | | | SEMESTER : II, IV & VI |
|---|---|---|---|---|---|
| **Programme :** | | **Department:** mathematics | | **Name of the Faculty :** Pavithra SR | |

| Class | No. of Hours per Week | | | | |
|---|---|---|---|---|---|
| BSc–III paper–6 5th sem CBCS | 10 hrs | Line and multiple integrals defn of a line integral and basic properties Examples on evaluation of line integrals | defn of a double integral its conversion to iterated integrals. Evaluation of double integrals (i) under given limits | on regions bounded by given curves-change of variables- surface areas as. double integrals | defn of a Triple Integral and Evaluation change of variables Volume a triple integral |
| BSc–VI paper–7 practical | | Linear algebra vector space Examples including R^n & C^n Sub-space criterion for a Subset to be a Subspace concepts of linear independences basis and dimension standard properties of linear independent and dependent | Examples illustrating concepts. and results with emphasis on R^3 | Linear transformation linear maps as matrix change of basis and the effect on associated matrices. Rank & nullity of a linear transformation. | Rank + nullity=n non-singular transformations value and eigen vectors of linear transformation representation under of matrices Examples illustrating the concepts. |

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**ACADEMIC YEAR:** 2022-23     **LESSON PLAN**     **SEMESTER : I, III &**

**Programme :** B.Sc.     **Department:** mathematics     **Name of the Faculty :** paavithra SR.

| Class | No. of Hours per Week | Aug / Sep | Sep / Oct | Oct / Nov / Dec | Dec / Jan |
|---|---|---|---|---|---|
| III Sem | | Sequence of numbers def^n of a sequence diff^g a sequence algebra of limits of a sequence convergent divergent and oscillatory sequence | problems are there on Bounded sequence were convergent sequence is bounded - converse is not true - monotonic sequence and their properties cauchy's sequence | Infinite sequence def^n of convergent divergent and oscillatory of sequence standard properties and result test of convergence of series | comparison test D. Alembert's Ratio test - Raabe's test cauchy's Root test absolute convergence and leibnitz's test for alternating series |
| Bsc III paper-5 5th sem CBCS | 14 hrs | Rings and subrings. Examples and properties following two def^n ideals. principal and maximal ideals in a commutative Ring Examples and standard properties | Homomorphism. and quotient rings Integral domains and fields Example and properties following the definitions | Rings of integral modulo-n iis a field iff n is a prime. A field is an integral domain - A finite integral domain is a field. | polynomial. Rings over field Divisibility Division algorithm. Remainder theorem computation of zeros - Irreducible polynomials. Eisen-stein's criterion |

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| ACADEMIC YEAR: | | LESSON PLAN | | | SEMESTER : I, III & V |

Programme :    Department: Mathematics    Name of the Faculty : Pavithra S R

| Class | No. of Hours per Week | | | | |
|-------|------------------------|---|---|---|---|
| BSc IV paper 8 practical | | Integral theorem Green's theorem on the plane — Independence of the path illustrative examples direct consequence of the theorem | The divergence theorem illustrate example direct consequences of the theorem, Stokes theorem illustrative example direct consequences of the theorem | Improper Integral definition of gamma & Beta function and result following the definition connection b/w B & I function application to evaluation of integral | Application formula — Stir ling formula. |
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| ACADEMIC YEAR: 2022-23 | | LESSON PLAN | | | SEMESTER : III & V |
|---|---|---|---|---|---|
| Programme : B.Sc. | | Department: Mathematics | | Name of the Faculty : V. S. Nalini | |

| Class | No. of Hours per Week | Aug / Sep. | Sep / Oct. | Oct /Nov/ Dec. | Dec/Jan |
|---|---|---|---|---|---|
| II B.Sc. Paper: III NEP | 2 hrs. (4+4) Hrs. | Recapitulation of Diff. equ. of first order, first degree, linear equs., Bernoulli's equ, Exact diff. equs, Reducible to exact differentiable equation. Practical III. | Differential Equ. of the first order & higher degree : Equs. solvable for p, x, y, clairaties equ., orthogonal trajectories of Cartesian Curve. | Linear diff. equs. of $n^{th}$ order with constant coefficients, Particular integral when R.H.S. is of the form $e^{ax}$, $\sin(ax+b)$, $\cos(ax+b)$, $x^n$, $e^{ax}$. V. | Cauchy-Euler equ., legendre diff. equs., method of variation of parameters, simultaneous differn equs, condition for integrability of t.d.e. $P dx + Q dy + R dz = 0$. |
| III B.Sc. Paper V. CBCS | 2 hrs. 3 hrs | Differential Equs-II. Solution of ordinary second order equ. with variable coefficients by the methods (i) when a part of C.F. is given (ii) changing the dependent variable. (iii) changing the independent variable. Practical V. | (iv) when a first integral is given (Exact differential equation) (v) Variation of parameters. | Total and simultaneous differential equations: Necessary condition for the equ. $P dx + Q dy + R dz = 0$ to be integrable. Problems there on. | Problems on simultaneous differential equations; Solutions of equations of the form $\dfrac{dx}{P} = \dfrac{dy}{Q} = \dfrac{dz}{R}$. |

Sign of H.O.D

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| ACADEMIC YEAR: 2022-23 | | LESSON PLAN | | SEMESTER: III & V |
|---|---|---|---|---|
| Programme: B.Sc. | | Department: Mathematics | | Name of the Faculty: V.S.Nalini |

| Class | No. of Hours per Week | | | | |
|---|---|---|---|---|---|
| III B.Sc. Paper VI | 2 hrs. | Numerical Methods Finite differences-Definition, properties of Δ, ∇, D and E, the relation between them. The $n^{th}$ difference of a polynomial - problems. | Newton-Gregory forward, backward interpolation formulae, Lagranges interpolation formulae for unequal intervals, Inverse interpolation & problems | Numerical Integration General quadrature formula - Trapezoidal rule, Simpson's $1/3^{rd}$ rule, Simpson's $3/8^{th}$ rule and problems. | Numerical solution of algebraic equations by method of successive bisection - Newton-Raphson iterative method, problems |
| | 2 hrs. | Practical VI | | | |

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# SJM COLLEGE OF ARTS, SCIENCE & COMMERCE, CHANDRAVALLI, CHITRADURGA

**ACADEMIC YEAR:** 2022-23     **LESSON PLAN**     **SEMESTER:** IV & VI

**Programme:** B.Sc.     **Department:** Mathematics     **Name of the Faculty:** V.S. Nalini

| Class | No. of Hours per Week | March | April | May | June |
|---|---|---|---|---|---|
| II B.Sc. Paper IV. NEP | 2 hrs. | Unit III: Laplace transforms: Definition, Basic properties, L.T. of some standard functions, L.T. of periodic functions., Inverse L.T. & its properties | L.T. of derivative and integral, Heaviside fun, Dirac delta fun., Convolution theorem, Solution of differential equations key using Laplace Transform. | Unit IV: Fourier Series & transforms: Fourier series of periodic funs. Fourier coefficient, Fourier series of funs with period $2\pi$ and $2L$. | Fourier transform: Half range sine and cosine series, cosine Fourier transform and sine Fourier transform. |
| | (4+4)Hrs | Practical IV | | | |
| III. B.Sc. Paper VII CBCS | 2 hrs. | Complex Analysis: Complex Numbers: Cartesian, polar form - geometrical representation, Euler Formula. Function of a complex variable: limit, continuity, differentiability, Analytic function. | Cauchy-Riemann eqn in polar & Cartesian form, Harmonic function, Standard properties - construction of analytic function when real or imaginary part is given, Milne-Thomson method. | Complex Integration: properties, problems, Cauchy's integral theorem, Cauchy's integral formula, Cauchy's generalized formula for the derivatives, Cauchy's inequality. | Direct consequences, Applications for evaluation of simple line integrals, proof of Cauchy's inequality, Liouville's theorem, Fundamental theorem of algebra with proof. |
| | 3 hrs. | Practical VII. | | | |

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# SJM COLLEGE OF ARTS, SCIENCE AND COMMERCE
## Chandravalli Chitradurga
## DEPARTMENT OF CHEMISTRY

### -: TEACHING PLAN :-

Name : .B. NAGARAJA

Academic Year: 2018-2019  Semester: I , III & V Sem

| Sl. No | Class | Sub/Paper | No. of periods per week | Syllabus to be covered during the month of | | | |
|---|---|---|---|---|---|---|---|
| | | | | July | August | September | October |
| 1 | I B.Sc. I Sem | Organic & Inorganic Chemistry | 02 | | Purification skills and characterization of organic compounds | S-block elements | Gasses |
| | | Practical | 02 | | 4-6 experiments | 7-8 experiments | 9-10 experiments with test |
| 2 | II B Sc III Sem | Organic Chemistry | 01 | | Analytical Skills-Quantitative Analysis. Organic reagents in inorganic quantitative analysis | Organic compounds containing Halogens, and oxygen | Phenols |
| | | Practical | 01 | | 4-6 experiments | 7-8 experiments | 9-10 experiments with test |
| 3 | III BSc V Sem | Physical and organic 5th and 6th paper | 02 | | Kirchoff's equation,Carnot's cycle, Gibb's free energy | Spectroscopy of organic compounds:- UV, IR spectroscopy | NMR & Mass spectroscopy |
| | | Practical | 02 | | 4-6 Experiments | 7-8 Experiments | 9-10 Experiments with test |

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# SJM COLLEGE OF ARTS, SCIENCE AND COMMERCE
## Chandravalli Chitradurga
## DEPARTMENT OF CHEMISTRY

## -: TEACHING PLAN :-

Name : **B. NAGARAJA**

Academic Year: 2018-2019  Semester: II , IV & VI Sem

| Sl. No | Class | Sub/Paper | No. of periods per week | Syllabus to be covered during the month of | | | |
|---|---|---|---|---|---|---|---|
| | | | | January | February | March | April |
| 1 | I B.Sc. II Sem | Organic & inorganic Chemistry | 02 | SN1&SN2 reactions, | Aromatic electrophilic & Nucleophilic Substitution reactions | Periodic Properties | Periodic Properties |
| | | Practical | 02 | 1-3 experiments | 4-6 experiments | 7-8 experiments | 9-10 experiments with test |
| 2 | II B Sc IV Sem | Inorganic Chemistry | 01 | Metallurgy and alloys | Industrial chemistry:- Glass, Cement, Paint, Propellants | Paint, Propellants Non-aqueous Solvents | Non-aqueous Solvents |
| | | Practical | 01 | 1-3 experiments | 4-6 experiments | 7-8 experiments | 9-10 experiments with test |
| 3 | III BSc VI Sem | Inorganic and organic 5th and 6th paper | 02 | Carbohydrates, Oils & fats | Amino acids & Proteins. | Inorganic Polymers ImA:-TGA, AAS | Water Pollution Acids and Bases |
| | | Practical | 02 | 1-3 experiments | 4-6 Experiments | 7-8 Experiments | 9-10 Experiments with test |

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Sri Jagadguru Murugharajendra College
of Arts, Science & Commerce,
CHITRADURGA

# SJM COLLEGE OF ARTS, SCIENCE & COMMERCE, CHANDRAVALLI, CHITRADURGA

**LESSON PLAN FOR THE ACADEMIC YEAR :** 22-23          **SEMESTER :** II & IV Sem

**PROGRAMME :** BA /BSc /BCom          **SUBJECT :** Hindi          **NAME OF THE FACULTY :** Dr. Nazirunnisa.S

| Class | No. of Lecturing Hours | Mar | April | May | June |
|-------|------------------------|-----|-------|-----|------|
| II Sem BA/BSc | 16 hrs Per week | अनुवाद कौशल - अनुवाद का निवरण - अर्थ का विवरण, स्वरूप का विवरण, अनुवाद की परिभाषा, अनुवाद के प्रकार | अनुवाद की आवश्यकता, अच्छे अनुवादक के गुण। हिन्दी कविता साहित्य का परिचय | कबीरदास, तुलसीदास, सूरदास, त्रियतम, कलख, मन आजाद नहीं है। | आओ हम फूल से हरजाएँ, हिमालय के प्रति, बादल को घिरते देखा है, कविता की मौत, प्रौढ़ शिक्षा प्रश्न पत्र का परिचय |
| II Sem BCom | 16 hrs Per week | सरकारी पत्र - परिभाषा, अर्थ, स्वरूप, विवरण, आलेखन, रूपरेखा, कार्यालय ज्ञापन, कार्यालय आदेश। | अनुस्मारक, अधिसूचना, संकल्प, अर्धसरकारी पत्र। कथा साहित्य का परिचय प्रतिनिधि कहानियाँ - अर्न कहा २०, ड्रस की रात | कहानी - परिन्दे, एक कमजोर लड़की की कहानी | कहानी- पत्नि, वापसी पुनर्चरित प्रश्न पत्र का परिचय |
| IV Sem BA/BSc | 16 hrs Per week | सरकारी पत्र - परिभाषा, अर्थ, स्वरूप, रूपरेखा, विवरण, आलेखन, कार्यालय ज्ञापन, कार्यालय आदेश। | अनुस्मारक, अर्ध सरकारी पत्र, अधिसूचना, संकल्प। संक्षिप्तिकरण खण्ड काव्य का परिचय | खण्ड काव्य श्रीकृष्ण का विवरण | खण्ड काव्य श्रीकृष्ण शबरी का विवरण। प्रश्न पत्र का परिचय |
| IV Sem BCom | 16 hrs Per week | अनुवाद का परिचय - गद्यानुवाद का विवरण। अनुवाद कौशल - अर्थ, स्वरूप, परिभाषा, अनुवाद के प्रकार | अनुवाद की आवश्यकता, अच्छे अनुवादक के गुण। नाटक साहित्य का परिचय नाटक - संशगामी युग युग का विवरण | नाटक - संशगामी युग युग का विवरण | संशगामी युग युग का विवरण प्रश्न पत्र का परिचय |

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# SJM COLLEGE OF ARTS, SCIENCE & COMMERCE, CHANDRAVALLI, CHITRADURGA

LESSON PLAN FOR THE ACADEMIC YEAR : 22-23     SEMESTER : I & III

PROGRAMME : BA/BSc/BCom    SUBJECT : Hindi    NAME OF THE FACULTY : Dr. Nazirunnisa.s

| Class | No. of Lecturing Hours | Aug/Sep | Sep/Oct | Oct/Nov/Dec | Dec/Jan |
|---|---|---|---|---|---|
| I sem BA/BSc | 16 hrs per week | व्याकरण - वर्णमाला शब्द - विकारी - संज्ञा, सर्वनाम, विशेषण, क्रिया | अविकारी शब्द — क्रिया विशेषण, सम्बन्धसूचक, समुच्चयबोधक। कथा साहित्य का परिचय | साहित्य सरोवर – ठाकुर का कुआँ, एक गीत, अकेली | मवाली, यात्रा - श्रृंगसा, समाधि भाई रामसिंह प्रश्न पत्र का परिचय |
| I sem BCom | 16 hrs per week | व्याकरण - वर्णमाला। शब्द - विकारी — संज्ञा, सर्वनाम, विशेषण, क्रिया | अविकारी शब्द — क्रिया विशेषण, सम्बन्धसूचक, समुच्चयबोधक, विस्मयादिबोधक गद्य साहित्य का परिचय | सभ्यता का रहस्य, यह देश एक है, नीलू, नदली | नेतहीन, प्रदूषण, साइकिल, दस हजार प्रश्न पत्र का परिचय |
| III sem BA/BSc | 16 hrs per week | अनुवाद का परिचय और विवरण, निबन्ध लेखन - पर्यावरण प्रदूषण, आतंकवाद, महिला सशक्तीकरण | नयी शिक्षा नीति, कंप्यूटर साक्षरता। गद्य साहित्य का परिचय, गध मनोहर – चीफ़ की दावत। | सुहाग के साड़ी, व्रतभंग इकलव्य ने गुरु को अंगूठा दिखाया | वैशाली, थ्री स्टाइल गवाही। प्रश्न पत्र का परिचय |
| III sem BCom | 16 hrs per week | व्यावहारिक पत्र — परिभाषा, अर्थ, स्वरूप, रूपरेखा, लिखना, आलेखन, | पूछताछ सम्बन्धी पत्र, एजेन्सी सम्बन्धी पत्र, शिकायती पत्र, नौकरी सम्बन्धी पत्र | बैंक सम्बन्धी पत्र। बीमा सम्बन्धी पत्र। संक्षिप्तिकरण का किरण कविता साहित्य का परिचय। | नहुष, जवानी, पुलिस की अग्निपरीक्षा, जोन भारोशा, जिरही की महिमा प्रश्न पत्र का परिचय |

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# SJM VIDHYAPETA (R) CHITHRADURGA
## S.J.M. COLLEGE OF ARTS, SCIENCE & COMMERCE
## CHANDRAVALLI, CHITHRADURGA

## LESSON PLAN FOR THE ACADEMIC YEAR 2019-20

**Program**: BA

**Course/Paper Name**:

I B.A, 1st Semester, and Paper 1: **Principles of Sociology**:

II BA 3rd Semester, **Classical (Western) Sociologist.**

III BA 5th Semester Paper: 5.1 **Social Demography**,

Paper 5.2: **Research Methodology.** (Work Load per week: 06 Hrs.)
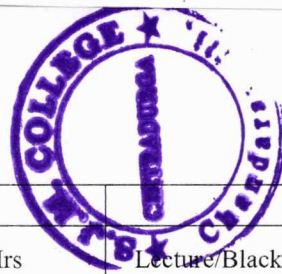
**Semester:** I, III and V

**Class: Sociology**

**Name of the Faculty: PROF. ANANDA.S**

Total Hours:

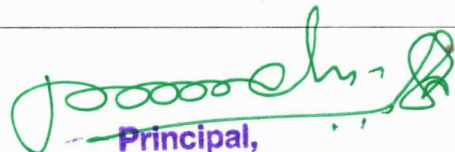| Sl. No. | Topic covered | No. of Lecture Hours | Methodology/pedagogy | Date | Initial |
|---|---|---|---|---|---|
| | **Unit :Introduction of Sociology/Thought/Research Methodology** | | | | |
| 1 | Origin and development of Sociology (I BA) Meaning, Nature | 8Hrs | Lecture/Black board | 01-07-2019 13-07-2019 | |
| 2 | Meaning, Definition and Nature of Social Thought (II BA) | 16Hrs | Lecture/Black board | 01-07-2019 13-07-2019 | |
| 3 | Meaning and Importance of Social Research, Pure and Applied Research (III BA) | 8Hrs | Lecture/Black board | 01-07-2019 13-07-2019 | |
| 4 | Scope and Importance of the study of sociology | 8Hrs | Lecture/Black board | 15-07-2019 27-07-2019 | |
| 5 | Development of Social Thought (II BA) Importance of Social thought | 16Hrs | Lecture/Black board | 15-07-2019 27-07-2019 | |
| 6 | Types and methods of Social Research (III BA) | 8 Hrs | Lecture/Black board | 15-07-2019 27-07-2019 | |
| 7 | Sociology as a science features (I BA) | 8Hrs | Lecture/Black board | 29-07-2019 10-08-2019 | |
| 8 | August Comte Life History (II BA) Law of three stages | 16Hrs | Lecture/Black board | 29-07-2019 10-08-2019 | |
| 9 | Survey and Case study (III BA) | 8Hrs | Lecture/Black board | 29-07-2019 10-08-2019 | |
| 10 | Meaning and characteristics of culture and civilization (I BA) | 8Hrs | Lecture/Black board | 13-08-2019 24-08-2019 | |
| 11 | Hierarchy of Sciences social statics and dynamics (II BA) | 16 Hrs | Lecture/Black board | 13-08-2019 24-08-2019 | |
| 12 | Tools of social research concepts of theory (III BA) | 8 Hrs | Lecture/Black board | 13-08-2019 24-08-2019 | |
| 13 | Socialization – Meaning and Importance (I BA) | 8 Hrs | Lecture/Black board | 26-08-2019 07-08-2019 | |
| 14 | Emile Durkheim Life History, Social Facts, division of Labour (II BA) | 16 Hrs | Lecture/Black board | 26-08-2019 07-08-2019 | |
| 15 | Hypothesis, Facts (III BA) | 8 Hrs | Lecture/Black board | 26-08-2019 07-08-2019 | |
| 16 | Types and Agencies of Socialization (I BA) | 8 Hrs | Lecture/Black board | 09-08-2019 21-08-2019 | |
| 17 | Division of Labour and theory of Suicide (II | 16 Hrs | Lecture/Black board | 09-08-2019 | |

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| | | | | | 21-08-2019 | |
|---|---|---|---|---|---|---|
| 18 | Research Design Meaning and Importance (III BA) | 8 Hrs | Lecture/Black board | 09-08-2019 21-08-2019 | | |
| 19 | Applied Sociology, Meaning and Scope (I BA) | 8 Hrs | Lecture/Black board | 23-08-2019 05-09-2019 | | |
| 20 | Karl Marx, Theory of class struggle (II BA) | 16 Hrs | Lecture/Black board | 23-08-2019 05-09-2019 | | |
| 21 | Types of Research design (III BA) | 8 Hrs | Lecture/Black board | 23-08-2019 05-09-2019 | | |
| 22 | Objectives of Applied Sociology (I BA) | 8 Hrs | Lecture/Black board | 07-09-2019 19-09-2019 | | |
| 23 | Karl Marx Theory of Alienation (II BA) | 16 Hrs | Lecture/Black board | 07-09-2019 19-09-2019 | | |
| 24 | Sampling Importune (III BA) | 8 Hrs | Lecture/Black board | 07-09-2019 19-09-2019 | | |
| 25 | Prerequisites and Limitations of Applied Sociology (I BA) | 8 Hrs | Lecture/Black board | 21-09-2019 05-10-2019 | | |
| 26 | Ferdinand Tonies Gemenschoft and geshelshoft (II BA) | 16 Hrs | Lecture/Black board | 21-09-2019 05-10-2019 | | |
| 27 | Types of Sampling (III BA) | 8 Hrs | Lecture/Black board | 21-09-2019 05-10-2019 | | |
| 29 | Social Change, Meaning and definition factors of social change (I BA) | 8 Hrs | Lecture/Black board | 07-10-2019 19-10-2019 | | |
| 30 | Herbert Spencer Theory of Evolution Social Darwinism, Organic Analogy (II BA) | 16 Hrs | Lecture/Black board | 07-10-2019 19-10-2019 | | |
| 31 | Methods of data Collection, Primary and Secondary (III BA) | 8 Hrs | Lecture/Black board | 07-10-2019 19-10-2019 | | |
| 32 | Scope and Importance of Sociology, Sociology as a Science (I BA) | 8 Hrs | Lecture/Black board | 21-10-2019 31-10-2019 | | |
| 33 | Emile Durkheim and Karl Marx Revision (II BA) | 16 Hrs | Lecture/Black board | 21-10-2019 31-10-2019 | | |
| 34 | Observation, Interview and Questionnaire (III BA) | 8 Hrs | Lecture/Black board | 21-10-2019 31-10-2019 | | |
| | **Internal Assessment Test/Quiz/Assignment – 01** | | | | | |
| | Date of submission of IA Marks : | | | | | |

**Signature of Faculty**

**Signature of HOD**

# SJM COLLEGE OF ARTS, SCIENCE AND COMMERCE
## Chandravalli Chitradurga
## DEPARTMENT OF CHEMISTRY
### -: TEACHING PLAN :-

Name : .H.M MANJUNATHA SWAMY.   Academic Year: 2021-2022  Semester: I , III & V Sem

| Sl. No | Class | Sub/Paper | No. of periods per week | Syllabus to be covered during the month of | | | |
|---|---|---|---|---|---|---|---|
| | | | | July | August | September | October |
| 1 | I B.Sc. I Sem | Organic & Inorganic Chemistry | 02 | Fundamentals of Organic Chemistry, Nature of bonding in organic molecules | Mechanisms of organic reactions, Carbon- Carbon Pi bonds | Atomic structure | Wave mechanics |
| | | Practical | 02 | 1-3 experiments | 4-6 experiments | 7-8 experiments | 9-10 experiments with test |
| 2 | II B Sc III Sem | Inorganic Chemistry | 01 | p-block elements and their compounds- Structural aspects of Boron, Boranes. | Inter halogen compounds, corrosion and its control | Bio-Inorganic Chemistry. | Analytical Skills-Quantitative Analysis. Organic reagents in inorganic quantitative analysis |
| | | Practical | 01 | 1-3 Experiments | 4-6 experiments | 7-8 experiments | 9-10 experiments with test |
| 3 | III BSc V Sem | Inorganic and organic 5th and 6th paper | 02 | Stereochemistry of organic compounds | Stereochemistry of organic compounds-geometric isomerismconformational isomers, | Aactive methylene compounds, f-block elements- Lanthanides, Actinides, | Metalic nitrosyl complexes, principles of gravimetric analysis, Powder Metallurgy, |
| | | Practical | 02 | 1-3 experiments | 4-6 Experiments | 7-8 Experiments | 9-10 Experiments with test |

Department of Chemistry
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# SJM COLLEGE OF ARTS, SCIENCE AND COMMERCE
## Chandravalli Chitradurga
## DEPARTMENT OF CHEMISTRY

### -: TEACHING PLAN :-

Name : .H.M MANJUNATHA SWAMY.  Academic Year: 2021-2022 Semester: II , IV & VI Sem

| Sl. No | Class | Sub/Paper | No. of periods per week | Syllabus to be covered during the month of | | | |
|---|---|---|---|---|---|---|---|
| | | | | January | February | March | April |
| 1 | I B.Sc. II Sem | Organic & inorganic Chemistry | 02 | SN1&SN2 reactions, | Aromatic electrophilic & Nucleophilic Substitution reactions | Periodic Properties | Periodic Properties |
| | | Practical | 02 | 1-3 experiments | 4-6 experiments | 7-8 experiments | 9-10 experiments with test |
| 2 | II B Sc IV Sem | Inorganic Chemistry | 01 | Metallurgy and alloys | Industrial chemistry:- Glass, Cement, Paint, Propellants | Paint, Propellants Non-aqueous Solvents | Non-aqueous Solvents |
| | | Practical | 01 | 1-3 experiments | 4-6 experiments | 7-8 experiments | 9-10 experiments with test |
| 3 | III BSc Vl Sem | Inorganic and organic 5th and 6th paper | 02 | Carbohydrates, Oils & fats | Amino acids & Proteins. | Inorganic Polymers ImA:-TGA, AAS | Water Pollution Acids and Bases |
| | | Practical | 02 | 1-3 experiments | 4-6 Experiments | 7-8 Experiments | 9-10 Experiments with test |