

BHARATHIAR UNIVERSITY,COIMBATORE-641 046

B.B.M - Information Systems

(For the students admitted during the academic year 2010-2011 and onwards)

SCHEME OF EXAMINATION – CBCS Pattern

Part	Study Components	Course Title	Ins. Hrs / Week	Examinations			Credits	
				Dur. Hrs.	CIA	Marks		Total Marks
SEMESTER –I								
I	Language-I		6	3	25	75	100	4
II	English-I		6	3	25	75	100	4
III	Core I – Management Process		5	3	25	75	100	4
III	Core II – Financial Accounting		5	3	25	75	100	4
III	Allied Paper I – Mathematics for Management-I		6	3	25	75	100	4
IV	Environmental Studies #		2	-	-	50	50	2
SEMESTER –II								
I	Language-II		6	3	25	75	100	4
II	English-II		6	3	25	75	100	4
III	Core III – Organisational Behaviour		5	3	20	55	75	3
III	Core IV – Economics for Executives		6	3	25	75	100	4
III	Allied Paper II – Mathematics for Management-II		5	3	25	75	100	4
IV	Value Education – Human Rights #		2	-	-	50	50	2
SEMESTER –III								
III	Core V – Business Communication		5	3	20	55	75	3
III	Core VI – Production and Material Management		5	3	25	75	100	4
III	Core VII – Marketing Management		5	3	25	75	100	4
III	Core VIII – PC Software MS Office - Theory		2	3	10	40	50	2
III	Core VIII – PC Software MS Office - Practical		2	3	20	30	50	2
III	Allied : III - Taxation Law and Practice		5	3	25	75	100	4
IV	Skill based Subject-1 : Retail Environment		3	3	20	55	75	3
IV	Tamil @ /Advanced Tamil # (or) Non-major elective-I : Yoga for Human Excellence # / Women’s Rights # Constitution of India #		2	-	50	50	50	2
SEMESTER –IV								
III	Core IX - Human Resource Management		5	3	25	75	100	4
III	Core X – Financial Management		5	3	25	75	100	4
III	Core XI – Management Information System		5	3	25	75	100	4
III	Core XII –Object Oriented Programming with C++		2	3	10	40	50	2
III	Core XIII–C++ - Practical		3	3	20	30	50	2
III	Allied : IV – Business Law		5	3	25	75	100	4
IV	Skill based Subject-2 : Consumer Behaviour		3	3	20	55	75	3
IV	Tamil @ / Advanced Tamil # (or) Non-major elective-II : General Awareness #		2	-	50	50	50	2

SEMESTER –V							
III	Core XIV – Cost & Management Accounting	5	3	25	75	100	4
III	Core XV – Database Management Systems	5	3	25	75	100	4
III	Core XVI – Systems Analysis and Design	5	3	25	75	100	4
III	Core XVII – RDBMS - Theory	4	3	10	40	50	2
III	Core XVIII – RDBMS - Practical	3	3	20	30	50	2
III	Elective –I :	5	3	25	75	100	4
IV	Skill based Subject –3 : Merchandising Management	3	3	20	55	75	3
SEMESTER –VI							
III	Core XIX – Entrepreneurship and Project Management	5	3	25	75	100	4
III	Core XX - Advertising and Sales Promotion	5	3	25	75	100	4
III	Core XXI – Visual Basic - Theory	3	3	10	40	50	2
III	Core XXII – Visual Basic - Practical	3	3	20	30	50	2
III	Elective –II :	5	3	25	75	100	4
III	Elective –III :	5	3	25	75	100	4
IV	Skill based Subject –4 : Customer Relationship Management	4	3	20	55	75	3
V	Extension Activities @	-	-	-	-	50	2
TOTAL		-	-	-	-	3500	140

\$ Includes 25% / 40% continuous internal assessment marks for theory and practical papers respectively.

@ No University Examinations. Only Continuous Internal Assessment (CIA)

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List of Elective papers (Colleges can choose any one of the paper as electives)		
Elective – I	A	Data Mining and warehousing
	B	Modern Office Management
	C	Marketing Research
Elective – II	A	Software Engineering
	B	Industrial Relations and Labour Laws
	C	Global Business Management
Elective - III	A	Electronic Commerce
	B	Human Resource Development
	C	Insurance Principles and Practice

SEMESTER - I

MANAGEMENT PROCESS

Goal: To enable the students to learn principles, concepts and functions of management.

Objective: On successful completion of this course, the students should have understood

- ✓ The nature and types of business organizations
- ✓ Principles & functions of Management
- ✓ Process of decision making
- ✓ Modern trends in management process.

UNIT -I

Business - meaning -business and profession, requirements of a successful business- Organisation - meaning - importance of business organisation. Forms of business Organisation-Sole traders, partnership, Joint Hindu family firm - Joint Stock Companies - Cooperative Organisations - Public Utilities and Public Enterprises.

UNIT -II

Nature and Scope of Management process – Definitions of Management – Management: a science or an art? - Scientific Management - Managerial functions and roles – The evolution of Management Theory.

UNIT -III

Planning: meaning and purpose of planning - steps in planning - types of planning. Objectives and Policies - Decision making: Process of Decision making - types of Decisions.

UNIT -IV

Organising: Types of organisation - Organisational structure - span of control - use of staff units and committees. Delegation: Delegation and centralisation - Line and Staff relationship. Staffing: Sources of recruitment - Selection process - training.

UNIT - V

Directing: Nature and purpose of Directing. Controlling: Need for co-ordination - meaning and importance of controls - control process - Budgetary and non-Budgetary controls - Modern trends in Management Process - case studies.

REFERENCE BOOKS

1. Business Organisation - Bhushan Y.K.
2. Principles of Management – L.M. Prasad
3. Business Management – Dinkar Pagare
4. Principles of Business organisation and Management – P.N. REDDY

FINANCIAL ACCOUNTING

Goal: To enable the students to acquire knowledge of Accounting principles and practice

Objective: On successful completion of this course, the students should have understood

- ✓ The basic accounting concepts
- ✓ Double entry book keeping system and various books of accounts
- ✓ Preparation of final accounts, etc.

UNIT - I

Basic Accounting concepts - Kinds of Accounts – Financial Accounting vs. Cost Accounting - Financial Accounting vs. Management Accounting -Double Entry Book Keeping – Rules of Double Entry System – Preparation of Journal and Ledger Accounts- problems - Subsidiary books - cash book – types of cash book - problems - purchase book - sales book - sales return and purchase return books.

UNIT - II

Trial balance - Errors – types of errors - Rectification of errors – problems - Bank reconciliation statement – problems.

UNIT - III

Manufacturing - Trading - Profit & Loss Account - Balance sheet. – Problems with simple adjustments.

UNIT - IV

Accounting for non-trading institutions-Income & Expenditure Account- Receipts and Payment Accounts and Balance sheet - Accounting for depreciation – methods of depreciation – problems (straight line method and written down value method only)

UNIT - V

Preparation of accounts from incomplete records.

(Theory and problems may be in the ratio of 20% and 80% respectively)

REFERENCE BOOKS

1. Grewal, T.S. : Double Entry Book Keeping
2. Jain and Narang : Advanced Accountancy
3. Shukla and Grewal : Advanced Accountancy
4. Gupta and Radhaswamy : Advanced Accountancy
5. Gupta R.L. : Advanced Accountancy

MATHEMATICS FOR MANAGEMENT- I

Goal: To enable the students to acquire knowledge of mathematics & statistics and their use in business decision making.

Objective: On successful completion of this course, the students should have understood

- ✓ Set operations, matrix and Mathematics of Finance
- ✓ Statistical tools and their applications

UNIT - I

Sets and set operation - Venn Diagrams - Elements of Co-ordinate system. Matrices, Fundamental ideas about matrices and their operational rules – Matrix multiplication - Inversion of square matrices of not more than 3rd order- solving system of simultaneous liner equations.

UNIT-II

Mathematics of Finance and series simple and compound interest - Arithmetic progression - Geometric progression (Simple problems only).

UNIT-III

Meaning and Definitions of Statistics - Scope and Limitations. Statistical enquiries - Scope of the problem - Methods to be employed types of enquiries - Presentation of data by Diagrammatic and Graphical Method - Formation of Frequency Distribution.

UNIT-IV

Measures of Central tendency - Arithmetic Mean, Median, Mode, Geometric and Harmonic mean, Measures of variation and standard, mean and quartile deviations - Skew ness and Kurtoses Lorenx curve, Simple Correlation - Scatter diagram - Karl Pearson's Co-efficient of correlation – Rank correlation - Regression lines.

UNIT-V

Analysis of Time Series: Methods of Measuring - Trend and Seasonal variations - Index number - Unweighted indices - Consumers price and cost of living indices.

* Questions in theory and problems carry 30% and 70% marks respectively

REFERENCE BOOKS

1. Sundaresan and Jayaseelan - An Introduction to Business Mathematics and Statistical Methods
2. Gupta S.P. - Statistical Methods
3. Navaneethan P. - Business Mathematics
4. Statistics - R.S.N. Pillai, Mrs. Bhagavathi
5. P.R. Vittal - Business Mathematics and Statistics

ORGANISATIONAL BEHAVIOUR

Goal: To enable the students to acquire knowledge of organisational behaviour

Objective: On successful completion of this course, the students should have understood Personality, Perception, Motivation, Job-satisfaction, morale, Group dynamics, Leadership traits, Counselling and guidance, etc.

UNIT - I

Importance and scope of organisational psychology – Individual differences - Intelligence tests - Measurement of intelligence - Personality tests - nature, types and uses.

UNIT - II

Perception - Factors affecting perception - Motivation - theories - financial and non-financial motivation - techniques of motivation - Transactional Analysis - Brain storming.

UNIT - III

Job satisfaction - meaning - factors - theories - Management of job satisfaction - Morale - importance - Employee attitude and behaviour and their significance to employee productivity - job enrichment - job enlargement.

UNIT – IV

Hawthorne Experiment - importance - Group Dynamics - Cohesiveness – Co-operation - competition - conflict - Types of Conflict – Resolution of conflict - Sociometry - Group norms - Role - Status – supervision style - Training for supervisions.

UNIT - V

Leadership - types - theories – Trait, Managerial Grid, Fiedler's contingency - Organisational climate - organisational effectiveness – organisational development - counselling and guidance - Importance of counsellor - types of counselling - merits of counselling.

REFERENCE BOOKS

1. Keith Davis - Human Behaviour at Work
2. Ghos - Industrial Psychology
3. Fred Luthans - Organisational Behaviour
4. L.M. Prasad - Organisational Behaviour
5. Hippo - Organisational Behaviour

ECONOMICS FOR EXECUTIVES

Goal: To enable the students to learn principles and concepts of Business Economics

Objective: On successful completion of this course, the students should have understood

- ✓ The objectives of business firms
- ✓ Factors of production and BEP Analysis
- ✓ Types of competitions and price administration
- ✓ Government measures to control monopoly

UNIT - I

Objectives of business firms - Profit Maximisation - Social responsibilities - Demand analysis - Law of Demand - Elasticity of demand.

UNIT - II

Production function - Factors of production - Laws of diminishing returns and Law of variable proportions - Economics of Scale – Cost and Revenue Curves - Break - even- point analysis.

UNIT - III

Market structure and prices - Pricing under perfect Competition - Pricing under Monopoly - Price discrimination - Pricing under Monopolistic competition - Oligopoly.

UNIT - IV

Pricing under factors of production; wages - Marginal productivity theory - Interest - Keynes's Liquidity preference theory – Theories of Profit - Dynamic theory of Profit - Risk Theory - Uncertainty theory.

UNIT - V

Government and Business - Performance of public enterprises in India - Price policy in public utilities, Government measures to control Monopoly in India - MRTP Act.

REFERENCE BOOKS

1. Sankaran - Business Economics
2. Markar Et al - Business Economics
3. Sundaram K.P & Sundaram E - Business Economics

MATHEMATICS FOR MANAGEMENT- II

Goal: To enable the students to learn the techniques of Operation Research and their applications in business management.

Objective: On successful completion of this course, the students should have understood

- ✓ Operations Research models
- ✓ Game theory, Queuing theory, PERT, CPM, etc.

UNIT - I

Introduction to Operations Research - Meaning - Scope – Models - Limitation.
Linear Programming - Formulation – Application in Management decision making
(Graphical method only)

UNIT - II

Transportation (Non- degenerate only) - Assignment problems - Simple Problems only

UNIT - III

Game Theory:- Queuing theory - Graphical Solution – $m \times 2$ and $2 \times n$ type. Solving game by Dominance property - fundamentals - Simple problems only. Replacement problem – Replacement of equipment that deteriorates gradually (value of money does not change with time)

UNIT - IV

CPM - Principles - Construction of Network for projects – Types of Floats – Slack- crash programme.

UNIT - V

PERT - Time scale analysis - critical path - probability of completion of project - Advantages and Limitations.

Note: Theory and problem shall be distributed at 20% and 80% respectively.

REFERENCE BOOKS

1. Kanti Swarup, Gupta R.K. - Operations Research
2. P.R. Vittal - Operations Research
3. Gupta S.P. - Statistical Methods.

BUSINESS COMMUNICATION

Goal: To enable the students to learn the nuances of good communication.

Objective: on successful completion of this course, the students should have understood

- ✓ Methods of communication
- ✓ Types of communication and Barriers of communication.

UNIT-I

Essential and Importance of Business Communication. Methods of Communication – Types – Barriers.

UNIT – II

Communication through letters – Layout of letters business enquiries – Offers and Quotations – Orders – Execution of Orders – Cancellation of Orders – Claims – Adjustments and settlement of accounts – Letters of complaints – Collection letters – Status enquiries – Bank correspondence – Tenders – Letter to the editor.

UNIT – III

Correspondence of company secretary with share holders and directors – Agenda – Minutes – Preparation.

UNIT – IV

Communication through reports: Essentials – Importance – Contents - Reports by individuals – Committees – Annual report – Application for appointment – reference and appointment orders.

UNIT - V

Internal communication: Short speeches – Memo – Circulars – Notices – Explanations to superiors – Precise writing – Communication media – Merits of various devices – Intercom, Telex and Telephone – Fax – Internet.

Books for Reference:

1. **Rajendra Pal Korahill**, “Essentials of Business Communication”, Sultan Chand & Sons, New Delhi, 2006.
2. **Ramesh, MS, & C. C Pattanshetti**, “Business Communication”, R.Chand&Co, New Delhi, 2003.
3. **Rodriquez M V**, “Effective Business Communication Concept” Vikas Publishing Company ,2003.

PRODUCTION AND MATERIALS MANAGEMENT

Goal: To enable the students to acquire knowledge of production processes and Materials Management

Objective: On successful completion of this course, the students should have understood

- ✓ Principles, functions and process of Production Management
- ✓ Effective management of materials

UNIT-I

Production Management - Functions - Scope - Plant location - Factors - Site location - Plant layout - Principles - Process - Product layout for Production Planning and control - Principles - Information flow - Routing - Scheduling - Despatching - Control.

UNIT-II

Materials Handling - Importance - Principles - Criteria for selection of material handling equipments. Maintenance - Types - Breakdown - Preventive - Routine - Methods study - Time study - definition - Motion study - Principles – work measurement.

UNIT-III

Organisation of Materials Management - Fundamental Principles - Structure - Integrated materials management - Purchasing – procedure - principles - import substitution and import purchase procedure - Vendor rating - Vendor development .

UNIT-IV

Function of Inventory - Importance - Tools - ABC, VED, FSN Analysis - EOQ - Reorder point - Safety Stock - Lead time Analysis Store keeping - Objectives - Functions - Store keeper - Duties - Responsibilities - Location of store - Stores Ledger - Bin card.

UNIT-V

Quality control - Types of Inspection - Centralised and Decentralised. TQM: Meaning - Objectives - elements - Benefits - Bench marking: Meaning - objectives - advantages - ISO: Features - Advantages - Procedure for obtaining ISO.

TEXT BOOKS:

1. Banga and Sharma : Production Management
2. O.P. Khanna : Industrial Engineering and Management
3. M.V. Varma : Materials Management

MARKETING MANAGEMENT

Goal: To enable the students to acquire knowledge of principles of marketing management

Objective: On successful completion of this course, the students should have understood

- ✓ Principles of marketing management, market segmentation
- ✓ Product life cycle, pricing, branding,.....

UNIT - I

Definition of Marketing - Marketing Management- Marketing concept - meaning
Importance of marketing in developing countries - Functions of Marketing - Marketing environment: various environmental factors affecting the marketing function.

UNIT - II

Buyer Behaviour - Buying motives - explanation of motivation – Market Segmentation of different bases - Marketing strategy - Market Structure - Definition and types of channel - Channel selection & problems.

UNIT - III

The Product-Marketing characteristics -consumer goods-industrial goods- Production policy - Product Life Cycle (PLC) - Product mix - modification & elimination - packing - Developing new Products- strategies.

UNIT - IV

Pricing: Meaning to Buyer & Seller - pricing policies – Objective factors influencing pricing decisions - Competitors action to price changes - multiproduct pricing. Physical Distribution - Management of physical distribution - marketing risks.

UNIT - V

Branding Decisions: Brand-Brand Image, Brand Identity-Brand Personality -Positioning and leveraging the brands-Brands Equity.

REFERENCE BOOKS:

1. Philip Kotler - Marketing Management
2. Rajan Nair - Marketing Management
3. Cundiff and Still - Fundamentals of modern marketing

PC SOFTWARE (MS OFFICE) - Theory

Unit-I

Windows 2000- working with windows – moving formation within windows arranging Icons- Saving Window settings. MS Office Basics – Creating document – entering text-Selecting text- giving instructions- Using tool bars- Menu commands- Keyboards shortcuts- Saving files- Opening documents – Manipulating Windows – simple Editing- Printing Files.

Unit-II

Word Basics – Using Auto text – Using Auto Correct Word editing technique- finding and replacing text – Checking spelling – using templates- formatting – Formatting with styles creating tables.

Unit-III

Excel Basics- entering data- Selecting Ranges- Editing entries – formatting entries- Simple Calculation- naming cells and Ranges- Data display- printing worksheets –copying entries between workbooks – Moving sheets between workbook-deleting sheets- Creating graphs.

Unit-IV

Power Point basics- Working in outline view- using a design template- Merging presentations in Slider sorter view applying templates – Adding graphs- adding organization Charts.

Unit-V

Access Basics- Creating a table- entering and adding records- Changing a structure- working with records – Creating forms – establishable relationship using queries to extract information.

Text Books

1. Office 2000 Complete Reference by stepher L.Nelson.
2. PC Software for window made simplex by R.K Taxali – Tata McGraw Hill Publishers Pvt. Ltd.,
3. Quick Course in Micro soft Office Joyce Cox, Polly urban –Galgottia Publications.
4. PC Software for Office- Automation by T.Karthikeyan and Dr. C. Muthu-Sultan Chand and Company.

PC Software (MS Office)
PROGRAMMING LABORATORY
List of Practicals

MS-Word

1. Type the text, check spelling and grammar bullets and numbering list items, align the text to left, right justify and centre.
2. Prepare a job application letter enclosing your Bio-Data
3. Perform Mail Merger Operation and Preparing labels.
4. Prepare the document in newspaper column layout.

MS – EXCEL

5. Worksheet Using Formulas.
6. Working Manipulation for electricity bill preparation.
7. Drawing graphs to illustrate class performance
8. An excel worksheet contains monthly sales details of five companies.

MS ACCESS

9. Simple commands perform sorting on name, place and pin code of students database and address printing using label format.
10. Pay rolls processing and prepare report
11. Inventory control.
12. Screen designing for data entry.

MS POWER POINT

13. Prepare a PowerPoint presentation with at least three slides for department Inaugural function.
14. Draw an organization chart with minimum three hierarchical levels.
15. Design an advertisement campaign with minimum three slides.
16. Insert an excel chart into a power point slide.

TAXATION – LAW AND PRACTICE

Goal: To enable the students to acquire knowledge of principles of Taxation

Objective: On successful completion of this course, the students should have understood

- ✓ Principles of Direct and Indirect Taxes
- ✓ Calculation of Tax, Tax Authorities, Procedures,...

UNIT – I

General Principles of Taxation, Distinction between direct and Indirect taxes, tax evasion – avoidance – causes - remedies.

UNIT – II

Direct Taxes : Income Tax Act 1961 – important definitions – basis of charge – residential status – Income exempted from income tax – heads of income – computations of income under salary and house property .(problem be included).

UNIT – III

Computation of income under profits and gains of business - profession - capital gains – income from other sources - Deductions in the computation of total income - income tax Authorities and their power.(problems be included).

UNIT – IV

Indirect taxes – selected provisions of VAT– with regard to registration of dealers - procedure and effects of registration -mode of charging VAT – exemption from VAT – authorities and their powers.

UNIT – V

Role of Excise duties in the total revenue – objectives of excise duty in the total revenue – objectives of excise duty – exempted form duty – customs duties – Levy of import and export duty – distinction between advalorem and specific duties – exemption

Note: Theory and problems shall be distributed at 60% & 40% respectively.

BOOKS RECOMMENDED

1. Bhagavathi Prasad - Income Tax Law & Practice
2. Mehrothra - Income Tax Law & Practice
3. Gour & Narang - Income Tax Law & Practice
4. Dingare pagare - Income Tax Law & Practice
5. Dingare Pagare - Business Taxation
6. Balasubramanian - Business Taxation

Skill Based Subject-1 : RETAIL ENVIRONMENT

Subject Description : This course presents the basics of retailing, trends in retailing, evolution of retailing and global retail markets.

Goals: To enable the students to learn the basics in retailing, evolution and trends in retailing.

Objectives: On successful completion of the course the students should have:

understood the features of retailing

learnt the theories of retail development

learnt retail development in India and global retail markets

Contents:-

UNIT I

Retail: Meaning – Functions and special characteristics of a Retailer – Reasons for studying. Retailing – Marketing-Retailer Equation – Marketing concepts applied to retailing – Retailing as a career – Trends in Retailing.

UNIT II

Retail Model and Theories of Retail Development – Life cycle and phase in growth of retail markets – Business models in retail – other Retail models.

UNIT III

Strategic Planning in Retailing: Situation Analysis – Objectives – Need for identifying consumer needs – Overall strategy, feedback and control – consumer decision-making process.

UNIT IV

Retail in India: Evolution and Size of retail in India – Drivers of retail change in India – Foreign Direct Investment in retail – Challenges to retail developments in India.

UNIT V

Global retail markets: Strategic planning process for global retailing – Challenges facing global retailers – Challenges and Threats in global retailing – Factors affecting the success of a global retailing strategy

REFERENCE BOOKS:

Swapna Pradhan – Retailing Management – Text and Cases, Tata McGraw Hill – 2nd edition, 2004

Barry Berman and Joel R Evans – Retailing Management – A Strategic Approach, Prentice Hall of India, 8th Edition, 2002.

James R. Ogden, Denise Ogden – Integrated, Retail Management – Biztantra 2005

Gibson G Vedamani – Retail Management – Functional Principles and Practice, Jaico Publishing House, Second edition, 2004.

SEMESTER - IV

HUMAN RESOURCE MANAGEMENT

Goal: To enable the students to acquire knowledge of Human Resource Management

Objective: On successful completion of this course, the students should have understood

- ✓ Functions of HR/Personnel Department
- ✓ Manpower planning, performance appraisal,...
- ✓ Salary administration, Labour Welfare, Industrial Relations,...

UNIT - I

Personnel Management - meaning, nature, scope and objective – Functions of Personnel Department - The Role of Personnel manager - Organisation of personnel department - Personnel Policies and Procedures.

UNIT - II

Manpower planning - Job description - Job analysis - Role analysis - Job specification - Recruitment and Selection - Training and Development.

UNIT - III

Performance appraisal - Job evaluation and merit rating - Promotion - Transfer and demotion - Human relations - approaches to good human relations - Punishment.

UNIT - IV

Wages and Salary administration - Incentive system - Labour welfare and Social Security - Safety, health and Security - retirement benefits to employees.

UNIT - V

Industrial relations - Trade unionism - Grievance handling – collective bargaining and worker's participation in management.

REFERENCE BOOKS:

1. Tripathy - Personnel Management and Industrial Relations
2. Bhagoiwal - Personnel Management and Industrial Relations
3. Memoria - Personnel Management and Industrial Relations
4. VSP. Rao - Human Resource Management

FINANCIAL MANAGEMENT

Goal: To enable the students to acquire knowledge of Financial Management

Objective: On successful completion of this course, the students should have understood

- ✓ Finance Functions, Cost of capital, Capital structure,...
- ✓ Capital Budgeting, Working capital management,...

UNIT - I (Theory only)

Finance Functions: Meaning - Definition and scope of finance functions - Objectives of Financial management - profit maximization and wealth maximisation. Sources of Finance - Short term - Bank sources – Long term - Shares - debentures, preferred stock - debt.

UNIT - II (Problem & Theory questions)

Financing Decision: Cost of Capital - Cost of Specific Sources of capital - Equity - preferred stock debt - reserves - weighted average cost of capital, Operating Leverage and Financial Leverage.

UNIT - III (Theory only)

Capital Structure - Factors influencing capital structure – optimal capital structure - Dividend and Dividend policy: Meaning, classification - sources available for dividends - Dividend policy general, determinants of dividend policy.

UNIT - IV (Theory only)

Working capital management: Working capital management - concepts - importance - Determinants of Working capital. Cash Management: Motives for holding cash - Objectives and Strategies of cash management. Receivables Management: Objectives - Cost of Credit Extension, benefits - credit policies - credit terms - collection policies.

UNIT - V (Problems& theory questions)

Capital budgeting-meaning-objectives-preparation of various types capital budgeting.

(Theory carries 80 Marks, Problems carry 20 Marks)

REFERENCE BOOKS

1. P.V. Kulkarni - Financial Management
2. Khan and Jain - Financial Management - A Conceptual Approach
3. I. M. Pandey - Financial Management
4. S.N. Maheswari - Management Accounting

MANAGEMENT INFORMATION SYSTEM

Goal: To enable the students to acquire knowledge of MIS

Objective: On successful completion of this course, the students should have understood

- ✓ Computer based information system
- ✓ MIS support for the functions of management

UNIT I

Introduction to Information Systems - definition - features - steps in implementation of MIS - need for information-information system for decision making- MIS as competitive advantages – MIS structures.

UNIT II

MIS - Strategic information system - MIS support for planning - organising - controlling - MIS for specific functions - personnel, finance, marketing inventory production Data Base Management System Models - hierarchical -network - relational - modular.

UNIT III

Computer Hardware - Description of electronic computers – CPU operations - Classification of computers - main - mini - workstations - micro computers - Super computers - personal computers. Computer Software - types of software - data representation in computers - Introduction to client-server.

UNIT IV

Input devices - mouse - touch screens - MICR - OCR - keyboard - pen based Input - digital scanners - voice input devices - sensors. Output devices - impact printers - non-impact printers - video display terminals - plotters - voice output devices. Secondary storage devices - magnetic disk, floppy, magnetic tape, optical disk storage - CDROM

UNIT V

Telecommunication revolution - Introduction to Email, internet, intranet and teleconferencing, www architecture, Introduction to E-Commerce, models B_B, B_C, and EDI, EDI applications in business, electronic payment cash, smart cards, and credit cards.

REFERENCES

Management Information System - Murdick and Ross

Management Information System- A contemporary perspective - Kenneth Laudon &
Jane Laudon

Management Information System - Gordon B Davis

Management Information System - James O brien

Computer applications in business - Subramanian K

OBJECT ORIENTED PROGRAMMING WITH C++

UNIT I

Object oriented programming: Software Evolution-OOP paradigm-Concepts, Benefits, Object Oriented Languages and Applications.

UNIT II

Introduction to the Basic Concepts of C++ Language-Tokens, Keywords, Identifiers, Data types, variables, manipulators-Expression and Control structures-Functions: main function-function prototyping-Call by reference-Function Overloading-friend and inline functions.

UNIT III

Classes and Objects-Constructors and Destructors-Operator overloading-Type conversions.

UNIT IV

Inheritance-Single Inheritance-Multiple Inheritance-Hierarchical Hybrid inheritance polymorphism- pointers-virtual functions-console I/O operations.

UNIT V

Files-Classes for file stream operations-opening, closing and processing files-End of file detection-File pointers-Updating a file-Error handling during file operations-Command line Arguments-Templates-Exception Handling.

TEXT BOOK:

1. E.Balagurusamy, “**OBJECT ORIENTED PROGRAMMING WITH C++**”-
Tata McGraw Hill Publishing Ltd., New Delhi, 1995

REFERENCE BOOKS:

1. Robert Lafore,”**OBJECT ORIENTED PROGRAMMING IN C++**”- Galgotia, 1994.
2. John R.Hubbard “**Programming with C++**” -Schaum’s Outline Series, 1996.

IV-Semester BUSINESS LAW

Goal: To enable the students to acquire knowledge of legal aspects of business

Objective: On successful completion of this course, the students should have understood

- ✓ Law of contract, Law of sale of goods
- ✓ Law of Agency, Negotiable Instruments Act,....

UNIT - I LAW OF CONTRACT

Contracts - Essentials of Contract - Agreements - Void - voidable and illegal contracts - Express and implied Contracts - Executed and Executory Contracts - Absolute and contingent contracts - Offer - Legal rules as to offer as to offer and lapse of offer - Acceptance - and rules as to acceptance - to create legal relation - Capacity of parties to create contract - Consideration - Legal rules as to Consideration - Stranger to a Contract and exceptions - Contract without consideration - Consent - Coercion - undue influence – misrepresentation - fraud - mistake of law and mistake of fact.

UNIT II

Legality of Object - Unlawful and illegal agreements - Effects of illegality - Wagering Agreements - Agreement opposed to public policy - Agreements in Restraint of trade - Exceptions – void agreements - Restitution - Quasi-contracts - Discharge of contract - Breach of contract - Remedies for breach of Contract.

UNIT - III LAW OF SALE OF GOODS

Formation of contract of sale - Sale and agreement to sell – Hire purchase agreement - Sale and bailment - Capacity to buy and sell - Subject matter of contract of sale - Effect of destruction of goods - Documents of title to goods - conditions and warranties - Rules of Caveat - Emptor - Exceptions - Transfer of property - Goods sent on approval - FOB, CIF, FOR and Ex-ship contracts of sale - Sale by non - owners - right of lien - termination of lien - right of resale - right of stoppage in transit - Unpaid Vendor's rights.

UNIT - IV

Creation of agency - Classification of agents - relations of principal and agent - delegation of authority - relation of principal with third parties - personal liability of agent - Termination of agency.

UNIT V

Negotiable Instruments Act 1881-Negotiable Instruments-Characteristics-cheque-Essentials requirements-Endorsements-kinds-crossing-types-Demand draft-Bills of Exchange.

REFERENCE

1. N.D. Kapoor - Elements of Mercantile Law
2. Shukla M.C. - A Manual of Mercantile Law
3. Venkatesan - Hand Book of Mercantile Law
4. Pandia R. H. - Mercantile La

5. K.P.Kandasami - Banking Law & Practice

IV – SEMESTER

Skill Based Subject-2 : CONSUMER BEHAVIOUR

Subject Description: This course presents the basics of consumer behaviour

Goals: To enable the students to learn the basics of consumer behaviour

Objectives: On successful completion of the course the students should have:

Understood consumer motivation and perception

Learnt consumer learning and attitude

Learnt consumer decision making

UNIT-I

Introduction - Consumer Behaviour — definition - scope of consumer behaviour — Discipline of consumer behaviour — Customer Value Satisfaction — Retention — Marketing ethics.

UNIT -II

Consumer research — Paradigms — The process of consumer research - consumer motivation — dynamics — types — measurement of motives — consumer perception

UNIT – III

Consumer Learning — Behavioural learning theories — Measures of consumer learning — Consumer attitude — formation — Strategies for attitude change

UNIT – IV

Social class Consumer Behaviour — Life style Profiles of consumer classes — Cross Cultural Customers Behaviour Strategies.

UNIT-V

Consumer Decision Making — Opinion Leadership — Dynamics — Types of consumer decision making — A Model of Consumer Decision Making

REFERENCE BOOKS:

Leon G. Schiffman and Leslie Lazar Kanuk, Consumer Behaviour, Prentice — Hall of India, Sixth Edition, 1998.

Paul Green Berg-Customer Relationship Management -Tata Mc Graw Hill , 2002

Barry Berman and Joel R Evans — Retail Management — A Strategic Approach-Prentice Hall of India, Tenth Edition, 2006

Gibson G Vedamani — Retail Management — Functional Principles and Practice, Jaico Publishing House, Second Edition, 2004

SEMESTER - V

COST AND MANAGEMENT ACCOUNTING

Goal: To enable the students to acquire knowledge of Accounting for managerial decisions

Objective: On successful completion of this course, the students should have understood

- ✓ Cost sheet, Material issues, Labour cost...
- ✓ Financial statement analysis, Budgeting,...

UNIT I (Theory questions only)

Meaning-definition-scope-objectives-function-merits and demerits of Cost and Management Accounting-distinction between cost, management and financial accounting - Elements of cost-cost concepts and costs classification.

UNIT II (Problems and theory questions)

Preparation of cost sheet-stores control- ECQ-maximum, minimum, reordering levels-pricing of materials issues-FIFO,LIFO,AVERAGE COST, STANDARD PRICE-methods -labour cost-remuneration and incentives.

UNIT III (Problems only)

Financial statement Analysis - preparation of comparative and common size statements - analysis and interpretation. Ratio analysis - classification of ratios-liquidity, profitability, solvency – inter firm comparison.

UNIT IV (Problems only)

Fund flow analysis-cash flow analysis (problems only)

UNIT V (Problems and theory questions)

Standard costing-variance analysis-material and labour variances Marginal Costing-cost volume profit analysis. Budgeting and preparation of various budgets.

(Theory carries 20 marks and problems carry 80 marks)

REFERENCE BOOKS:

1. Jain and Narang - Costing
2. Nigam and Sharma - Cost accounting
3. RK Sharna & K. Gupta - Management Accounting
4. S.N.Maheswari - Management Accounting

DATABASE MANAGEMENT SYSTEMS

Objectives: On successful completion of the course the students should

1. be able to create databases and pose SQL queries of relational databases.
2. familiar with a broad range of data management issues including data integrity and security.

Unit : I

Introduction – Data Models – Database languages – Transaction – Storage management – Database administrator – Users – overall system structure – Entity – Relationship Model – Basic concepts – Mapping constraints – keys – E-R Diagram – Weak Entity Sets – reduction of E-R Diagram to tables.

Unit : II

Relational Model – structure – relational algebra – extended operations – Modifications on a database – views – SQL – basic structure – set operations – aggregate functions – Nested Sub queries – derived relations, views.

Unit : III

Integrity constraints – Domain constraints – referential integrity – assertions – triggers – functional dependencies – relational database design – decomposition – normalization using functional, multi valued, Join dependencies – Domain – Key Normal form – alternative approaches.

Unit : IV

Object Oriented data Model – Languages – Object Relational databases: Nested Relations – Complex types and object Orientation – Querying with complex types – creation of complex values and objects – comparison.

Unit : V

Database System Architectures : Centralized Systems, Client server systems, Distributed systems, Parallel databases – introduction – inter query – intra query, intra-operation – interoperation parallelism – distributed databases – distributed data storage – network transparency – Query processing – Transaction model – Commit protocols – coordinator selection – concurrency control – deadlock handling – multi database systems.

Text Book

1. Henry F. Korth and Abraham Silberschatz, S. Sudarshan, Database System Concepts, 3rd edition, McGraw-Hill, 1997.

Reference Books

1. Bipin C. Desai, An Introduction to Database Systems, West Publications, 6th edition, 1995.
2. C.J.Date, An introduction to database systems, Addison Wesley publications, 6th edition 1995.
3. Gary W.Hansen and James V.Hansen, "Database Management and Design" Prentice Hall, 1996.
4. Jeffrey A. Hoffer, Mary B. Prescott, Fred R. Mcfadden, "Modern Database Management", Prentice Hall, 6th edition, 2002, 7th edition.
5. Ronald J.Norman, 'Object Oriented Systems Analysis and Design', Prentice Hall 1996.

SYSTEM ANALYSIS AND DESIGN

UNIT I

The system concept – characteristics of a system – elements of a system – types of system – the system development life cycle- consideration for candidate system – the role of a system analyst- real life example for systems.

UNIT II

Systems analysis – systems planning and the initial investigation – need - determine the requirements- background analysis – fact finding techniques and analysis – information gathering – review of literature – procedures – forms- onsite observation- interviews and questionnaires and types.

UNIT III

Tools of structures analysis – data flow diagram – data dictionary-decision tree- decision table –feasibility study- system performance –identification of system objectivesdescription of outputs-feasibility considerations – steps in feasibility analysis- Report and oral presentation –cost benefit analysis.

UNIT IV

System design –process and stage of system design –methodologies-structured and form driven methodology –process control –data validation – i/o and form design – file organization and database design – sequential and indexed sequential organizationsdatabase objectives-logical and physical data normalization.

UNIT V

System implementation – system testing and quality assurance-nature of test data –test plan -levels of test quality assurance-implementation and software maintenance – hardware and software selection –system security –applications.

TEXT BOOK

Elias M.Awad “System Analysis And Design” Galgotia Publications 2nd edition

Reference book

James A Senn “Analysis and Design of Information Systems,Tata McGraw Hill Publishing company,second edition

RDBMS (Relational Database Management System)

UNIT I

INDRODUCTION: Purpose of Database Systems – View of Data – Data Models – Database Languages – Transaction Management – Storage Management Database Administrator – Database Users – System Structure.

ENTITY Relationship Model: Basic concepts – keys – Entity Relationship Diagram, Weak Entity sets , E-R Features. Specialization, Generalization

RELATIONAL MODEL: Structure of Relational Database – Relational Algebra - Views.

UNIT II

SQL: Background – Basic Structure – Set Operations – Aggregate Functions – Null values – Nested Sub queries – Derived Relations – Views – Modification of the database – Joined Relations – Data Definition Language – Embedded SQL Features.

UNIT III

INTEGRITY CONSTRAINTS: Domain Constraints: Domain Constraints – Referential Integrity – Assertions – Triggers – Functional Dependencies.

RELATIONAL DATABASE DESIGN: Pitfalls – Normalization.

OBJECT ORIENTED DATABASES: New Database Applications – Object Oriented Data Model – Object Oriented Languages – Persistent Programming Languages.

UNIT IV

OBJECT RELATIONAL DATABASES: Nested Relations – Complex Types and Object Orientation – Querying with Complex Data Types – Creation of Complex values and Objects – Comparison of Object Oriented – Relational Databases.

UNIT V

NEW APPLICATIONS: Decision Support Systems – Data Analysis – Data Mining – Data Warehousing – Spatial and Geographic Databases – Multimedia Databases – Mobility and Personal Databases – Information – Retrieval Systems – Distributed Information Systems - The World Wide Web.

TEXT BOOK

Abraham Silberschatz, Henry F. Korth, S. Sudharshan, **“Database System Concepts”**, Tata McGraw Hill International Editions – 1997.

REFERENCE BOOKS

1. Alexis Leon And Mathews Leon, **“Database Management Systems”** Vikas pub - Elmasri Navathe, **“Fundamentals of Database Systems”**, Pearson Education pub, 3rd Edition 2001.

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RDBMS AND ORACLE

List of Programs

- 1 Design a database for student information.
- 2 Insert records for student database table.
- 3 Alter a field size in the student database table.
- 4 Delete a field in the student students database table.
- 5 Select records with roll number, name, class, subject with all mark details.
- 6 Prepare a list of all student who are having arrears.
- 7 Find the percentage of marks of a student.
- 8 Find the pass percentage of a subject in student database.
- 9 Prepare semester mark sheet for a given student roll number.
- 10 Design a database for employee information.
- 11 Insert records for employee database table.\
- 12 Select records with employee id ,name,department, designation with all salary details.
- 13 Prepare a list of employees who are getting net pay more than 10000.
- 14 list all employees with total allowances and total deductions.
- 15 List all employees with their net pay.
- 16 Design a database for bank information.
- 17 Insert records for bank database table.
- 18 Create a view for an employee with their deposit information.
- 19 Write a stored function to find net balance of a customer.
- 20 Write a PL/SQL procedure to deposit amount to bank database.

V –SEMESTER

Skill Based Subject-3 : MERCHANDISING MANAGEMENT

Subject Description: This course presents the basics of merchandising

Goals: To enable the students to learn the basics of merchandising management

Objectives: On successful completion of the course the students should have:

Understood merchandising planning

Learnt merchandise buying

Learnt visual merchandising

UNIT-I

Merchandising — meaning — concept — factors affecting merchandising function — merchandise manager functions — merchandise mix — components of merchandise management — merchandise strategies

UNIT –II

Merchandise Planning — steps involved — merchandise control — assortment planning — merchandising stages

UNIT – III

Merchandise buying — types — sources of supply — identifying and contracting - evaluating sources- branding strategies — category management

UNIT –IV

Merchandise performance — retail pricing — merchandise allocation — analyzing merchandise performance — methods.

UNIT-V

Visual Merchandising — types of display — display planning — methods of display — Window and interior display — space management — planning lay out

REFERENCE BOOKS:

Chetan Bajaj and Ranjith — Retail Management — Oxford University Press, Second Edition, 2005

Gillespie Hecht and Lebowitz — Retail Business Management, Mc Graw Hill Book Company, Third Edition, 2002

James ROgden, Denise T.Ogden - Integrated Retail Management, Wiley Pvt Ltd, 2005

Gibson G Vedamani — Retail Management — Functional Principles and Practice, Jaico Publishing House, Second Edition, 2004

SEMESTER - VI

ENTREPRENEURSHIP AND PROJECT MANAGEMENT

Goal: To enable the students to acquire knowledge of Entrepreneurship

Objective: On successful completion of this course, the students should have understood

- ✓ EDP, Project management
- ✓ Institutional support to entrepreneurial development

UNIT I

Meaning of Entrepreneurship - characteristics, functions and types of entrepreneurship - Intrapreneur - Role of entrepreneurship in economic development.

UNIT II

Factors affecting entrepreneur growth - economic – non-economic. Entrepreneurship development programmes - need - objectives – course contents - phases - evaluation. Institutional support to entrepreneurs.

UNIT III

Project Management: Meaning of project - concepts - categories - project life cycle phases - characteristics of a project – project manager - role and responsibilities of project manager.

UNIT IV

Project identification - selection - project formulation – contents of a project report - planning commission guidelines for formulating a project - specimen of a project report.

UNIT V

Source of finance for a project - Institutional finance supporting projects project evaluation - objectives - types - methods.

TEXT BOOK

1. Entrepreneurial Development: S.S.Khanka
2. Entrepreneurial Development: C.B.Gupta & N.P. Srinivasan
3. Project Management : S.Choudhury
4. Project Management : Denis Lock

ADVERTISING AND SALES PROMOTION

Goal: To enable the students to acquire knowledge of sales promotional measures

Objective: On successful completion of this course, the students should have understood

- ✓ Advertising, Ad media, Ad agencies,
- ✓ Sales force management, promotional strategies...

UNIT - I

Advertising: Meaning-importance-objectives-media-forms of media-press Newspaper trade journal-Magazines-out door advertising-poster-banners - neon signs, publicity literature booklets, folders, house organs-direct mail advertising-cinema and theatre programme-radio and television advertising-exhibition-trade fair-transportation advertising.

UNIT II

Advertising agencies-advertising budget-advertising appeals - advertising organisation-social effects of advertising-advertising copy - objectives-essentials - types-elements of copy writing: Headlines, body copy - illustration-catch phrases and slogans-identification marks.

UNIT III

Advertising layout- functions-design of layout-typography printing process-lithography-printing plates and reproduction paper, and cloth- size of advertising-repeat advertising-advertising campaign- steps in campaign planning.

UNIT IV

Sales force Management-Importance-sales force decision-sales force size-recruitment & selection-training-methods-motivating salesman Controlling - compensation & incentives-fixing sales territories-quota - Evaluation.

UNIT V

Sales promotion: Meaning-methods-promotional strategy-marketing communication and persuasion-promotional instruments: advertising -techniques of sale promotion-consumer and dealers promotion. After sales service-packing – guarantee - Personal selling-Objectives - Salesmanship-Process of personal selling-types of salesman.

REFERENCE BOOKS:

1. Bolen J.H. Advertising
2. Sontakk C.N. Advertising and Sales Management
3. Davar S.K. Salesmanship and advertising
4. Neelamegam, Sales Forecasting key to Integrated Management.

VISUAL BASIC (Theory)

Goal: To enable the students to learn Visual programming in windows Environment.

Objective: On successful completion of this course, the students should have understood

- ❖ VB environment with tool bars, controls and components.
- ❖ Programming steps
- ❖ Declaring variables & arrays
- ❖ Fundamentals of Graphics & Files
- ❖ Data bases & SQL

UNIT- I

Getting Started – Visual Basic environment – initial VB screen - single document interface - tool bars and systems control and components - use of file, edit , view , projects , format, Run and Debug, tools, window menu, properties window, procedures, image controls, text boxes, labels, navigating between controls, message controls, message boxes and grids.

UNIT – II

Steps in programming – the code window – editing tools – statements in VB – Assignment – and property setting – variable, strings, numbers, constants, displaying information – controlling program flow- repeating operation – making decisions – GOTO – string function – RND functions – data and time functions – financial functions.

UNIT – III

Control arrays - lists: one dimensional arrays – array with more than one dimension - using lists functions and procedures – passing by reference /passing by values - code module – global procedure and global variable – documents for users defined types with statements - common dialog box - MDI forms .

UNIT – IV

Fundamentals of Graphics and files - screen – the line and shapes – graphics via codes, lines & boxes, Circle, ellipse, pie charts, curves, paint picture method – graph control - file commands - file system controls - sequential files – random access files - binary files .

UNIT – V

Clip board, DDE, OLE, Data control – programming with data control – monitoring changes to the data bases – SQL basics – Data Base Objects.

REFERENCE BOOK:-

1. Visual Basic 5 from the Ground Up - Gary cornell
- Tata McGraw hill Publishing

VISUAL BASIC PRACTICALS

List of programs

1. Develop a VB project to check user name and password given by user.
2. Develop a VB project to add and remove items from the list box.
3. Develop a VB project to copy all items in a list box to combo box.
4. Develop a VB project to enter and display student information.
5. Develop a VB project to scroll text from left to right using timer.
6. Develop a VB project to display system date and time on screen.
7. Develop a VB project to find day of a week of a given date.
8. Develop a VB project for mini calculator function.
9. Develop a VB project for monthly calendar using flex grid.
10. Develop a VB project to view all image file in your system.
11. Develop a VB project for notepad.
12. Develop a VB project for document typing using MDI forms.

Use Employee information for the following projects.

13. Develop a VB project to search a record in MS-Access database using data control
14. Develop a VB project to delete a record from MS-Access database using data control
15. Develop a VB project to perform the following operation in MS – Access database using DAO
 - a) Move first record
 - b) Move next record
 - c) Move previous record
 - d) Move last record
16. Develop a VB project to insert a record in MS –Access database using ADO.
17. Develop a VB project to modify a record in MS – Access database using ADO.

Skill Based Subject-4 : CUSTOMER RELATIONSHIP MANAGEMENT

Subject Description: This course presents the basics of Customer Relationship Management

Goals: To enable the students to learn the basics of Customer Relationship Management

Objectives: On successful completion of the course the students should have:

Understood Relationship Marketing

Learnt Sales Force Automation

Learnt Database Marketing

UNIT – I

Overview of Relationship marketing – Basis of building relationship – Types of relationship marketing – customer life cycle

UNIT – II

CRM – Overview and evolution of the concept – CRM and Relationship marketing – CRM strategy – importance of customer divisibility in CRM

UNIT – III

Sales Force Automation – contact management – concept – Enterprise Marketing Management – core beliefs – CRM in India

UNIT – IV

Value Chain – concept – Integration Business Management – Benchmarks and Metrics – culture change – alignment with customer eco system – Vendor selection

UNIT – V

Database Marketing – Prospect database – Data warehouse and Data Mining – analysis of customer relationship technologies – Best practices in marketing Technology – Indian scenario.

REFERENCE BOOKS:

S. Shajahan – Relationship Marketing – Mc Graw Hill, 1997

Paul Green Berg – CRM – Tata Mc Graw Hill, 2002

Philip Kotler, Marketing Management, Prentice Hall, 2005

Barry Berman and Joel R Evans – Retail Management – A Strategic Approach- Prentice Hall of India, Tenth Edition, 2006

Elective – I	A	Data Mining and Warehousing
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Goal:

To enable the students learn the data mining techniques and data warehousing concepts.

Objectives:

On successful completion of the course the students should have:

- Understood the data mining and data warehousing techniques.

UNIT I

Basic data mining tasks – data mining versus knowledge discovery in databases – data mining issues – data mining metrics – social implications of data mining – data mining from a database perspective.

Data mining techniques: Introduction – a statistical perspective on data mining – similarity measures – decision trees – neural networks – genetic algorithms.

UNIT II

Classification: Introduction – Statistical – based algorithms - distance – based algorithms – decision tree - based algorithms - neural network – based algorithms –rule - based algorithms – combining techniques.

UNIT III

Clustering: Introduction – Similarity and Distance Measures – Outliers – Hierarchical Algorithms - Partitional Algorithms. Association rules: Introduction - large item sets - basic algorithms – parallel & distributed algorithms – comparing approaches- incremental rules – advanced association rules techniques – measuring the quality of rules.

UNIT IV

Data warehousing: an introduction - characteristics of a data warehouse – data marts – other aspects of data mart. Online analytical processing: introduction - OLTP & OLAP systems – data modelling –star schema for multidimensional view –data modelling – multifact star schema or snow flake schema – OLAP TOOLS – State of the market – OLAP TOOLS and the internet.

UNIT V

Developing a data WAREHOUSE: why and how to build a data warehouse –data warehouse architectural strategies and organization issues - design consideration – data content – metadata distribution of data – tools for data warehousing – performance considerations – crucial decisions in designing a data warehouse.

Applications of data warehousing and data mining in government: Introduction - national data warehouses – other areas for data warehousing and data mining.

REFERENCE BOOKS

1. Margaret H. Dunham, “Data mining introductory and advanced topics”, Pearson education, 2003.
2. C.S.R. Prabhu, “Data warehousing concepts, techniques, products and applications”, PHI, Second Edition.
3. Arun K.Pujari, “ Techniques”, Universities Press (India) Pvt. Ltd., 2003.
4. Alex Berson, Stephen J. Smith, “data warehousing, data mining, & OLAP, TMCH, 2001.
5. Jiawei Han & Micheline Kamber, “ Data mining Concepts & Techniques”, 2001, Academic press

Elective – I	B	Modern Office Management
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Unit –I Office Management and organization

Basic concepts of office – Importance – Functions – size of the office – office management – relations with other departments – scientific office management – office manager - principles of office organization – types / systems of organization – charts – centralization Vs. decentralization.

Unit- II Office Environment & Communication

Office location – characteristics / Qualities of office building – Environment – Physical – hazards in office safety – security – secrecy – communication – meaning – essential features – classification – barriers to communication.

Unit –III : office correspondence & Record management

Centralized Vs Departmental correspondence – departmental typing and typing pools – classification of records – principles of record keeping – filing – methods.

Unit –IV : Office systems & Procedures

Systems – procedure – Advantages – Characteristics of sound office system & procedures – work simplification – principles – kinds of reports.

Unit –V Office Personnel relations

Personnel management – definitions – functions –office committees- employee morale – productivity – Employee welfare – grievances – work measurement – control of office work.

Reference Books:

1. Modern office management – Dr. I.M.SAHAI –Sathiya Bhawan Agra
2. Office organization And Management – S.P Arora – Vikas publishing House Pvt Ltd.

Elective – I	C	Marketing Research
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UNIT -I

Marketing Research: Meaning, nature and role of marketing research; Organization of marketing research; Marketing research process: Problem identification and definition; Determination of information needs; Developing research proposal.

UNIT -II

Research Design: Types of research Design – Exploratory, descriptive and conclusive researches; Secondary and primary data: Sources of secondary data; Primary data collection instruments – Questionnaire designing and testing; Schedule; Observation methods; Scaling techniques and attitude measurement; Online data sources and research.

UNIT -III

Sample Design: Defining the universe and sampling unit; Sampling frame; Probability and non-probability sampling methods; Sample size determination, Data collection and survey errors.

UNIT -IV

Data Analysis and Interpretation: Data editing and coding; Tabulation and graphic representation; Statistical data analysis including estimation, hypothesis testing, advanced data analysis techniques; Report preparation and presentation.

UNIT -V

Application of Marketing Research : Product research; Advertising research; Market and sales analysis; Marketing research in India; Ethical issues related to marketing research.

TEXT BOOKS:

1. Boyd, Harper W. Jr., Westfall, Ralph and Stasch, Stanley, Marketing Research: Text and Cases, Richard D.Irwin Inc., Homewood, Illinois.
2. Sharma S.S., Marketing Research.

Elective – II	A	Software Engineering
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Unit- I

Introduction-The evolving role of s\w-s\w crisis-s\w myths-s\w engineering technology- the s\w process- s\w process models- the prototyping model.

Unit-II

Requirements engineering- system modeling- requirements analysis and elicitation for software- s\w prototyping- specification- mechanics of structured analysis- data dictionary- elements of analysis model- data modeling- functional modeling and information flow.

Unit-III

Object oriented design- design for object –oriented systems-the system design process-s\w design and s\w engineering- the design process- design principles-design concepts- effective modular design- design heuristics for effective modularity.

Unit-IV

Mapping requirements into a s\w architecture- transform mapping- transaction mapping- user interface design – interface design activities- s\w testing techniques- s\w testing fundamentals- white box testing- basis path testing- control structure testingblack box testing.

Unit V

S/w testing strategies – a strategic approach to s/w testing- validation testingsystem testing- the art of debugging- s/w quality- s/w reengineering- reverse engineering – building blocks for CASE- a taxonomy of CASE TOOLS.

TEXT BOOKS:

1. Roger S Pressman, “Software engineering”, 5th edition. TMH publishers.

REFERENCE BOOKS:

1. Watts S Humphrey, “A discipline for software engineering”, Pearson education publishers, 2001.

2. Ian Somerville, ” Software Engineering”, 6th edition, Pearson education publishers, 2001.

Elective – II	B	Industrial Relations and Labour Laws
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Objectives:

On successful completion of this course, the students should have understood

- Legislations relating to Industrial Disputes and Labour welfare

UNIT I

Industrial relations - industrial disputes - causes - handling and settling disputes - employee grievances - steps in grievance handling - causes for poor industrial relations - remedies.

UNIT II

Collective Bargaining: - Concept - Principles and forms of collective bargaining - Procedure - conditions for effective collective bargaining - worker's Participation in management.

UNIT III

Factories Act 1948 - The Workman's Compensation Act, 1923.

UNIT IV

The Industrial Disputes Act 1947 - The Trade Union Act, 1926.

UNIT V

The Payment of Wages Act,1936 - The Employee's State Insurance Act, 1948

REFERENCES:

1. Personnel Management & Industrial Relation -P.C.Tripathi
2. Dynamics of Personnel Management - C.B.Mamoria
3. Human Resource Management - N.G.Nair & Latha Nair Sultan Chand & Sons.
4. Essentials of Human Resource Management and Industrial Relations – P.SubbaraoHimalaya.
5. N.D. Kapoor - Mercandile Law - Sultanchand & Sons
6. R.Venkatapathy & Assissi Menachery - Industrial Relations & Labour Legislation
- Aditya Publishers.

Elective – II	C	Global Business Management
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UNIT -I

Need and relevance-international trade – current pattern of India’s foreign trade and world trade-India’s trade-trends-composition-volume and direction-traditional and non traditional products-brief background of import trade-future.

UNIT -II

Indian institutional assistance for export promotion – export policy – features – policy measures – infrastructure set up and aids – expert promotion council – commodity boards – board of trade – trade development authority – FIFO, IIFT, Export inspection council, STC, Export houses.

UNIT -III

Export procedures-offer and receipt of confirmed orders – production – shipping and banking procedure – negotiation-documents for export trade –export incentives.

UNIT -IV

Export financing – procedure for pre-shipment finance-post shipment finance-terms of payment in international trade-letter of credit-features and types-medium and long term loans – export control regulations - ECGC.

UNIT -V

International agencies and agreement – IMF-World Bank – functions and features – WTO features-import policy features.

Recommended Books:

1. TAS Balagopal Export Management
2. Francis Cherunilam International Trade and Export Management
3. S K Varghese Foreign Exchange and Financing of Foreign Trade
4. Y R Ullal Export Management

Elective – III	A	Electronic Commerce
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UNIT – I

Foundation of electronic Commerce :- Definition and content of the field – Driving force of EC-Impact of Ec – Managerial Issues- Benefits and Limitations of EC Retailing in EC :- Business models of E – marketing – Aiding comparison shopping - The impact of EC on Traditional Retailing System.

UNIT – II

Internet Consumers and market Research: - The consumer behavior model – Personal Characteristics and the Demographics of internet Surfers - Consumer Purchasing Decision making - One – to – One Relationship marketing - Delivering Customer Service in Cyberspace – Marketing research of EC-Intelligent Agents for Consumers – Organizational Buyer Behavior.

UNIT – III

Advertisement in EC :- Web Advertising – Advertisement Methods – Advertisement Strategies – Push Technology and Intelligent Agents – Economics and Effectiveness of Advertisement – Online Catalogs. Internet and Extranet :- Architecture of Intranet and External :- Applications of Intranet and Extranet

UNIT – IV

Business – to – Business Electronic Commerce : Characteristics of B2B EC- Model– Procurement Management Using the Buyer’s Internal Market Place – Supplier and Buyer Oriented Marketplace – Other B2B Models Auctions – and Service – Integration with back End Information System _ The Role of S/W Agents in B2B – Electronic Marketing in B2B.

UNIT –V

Public Policy : From Legal Issues to Privacy :- Legal, Ethical and Other Public Policy Issues – Protecting Privacy – Free Speech , Internet Indecency Censorship – Taxation and Encryption Policies and Seller Protection in EC.

Reference Books :-

EFRAIM TURBUN, JAE LEE, DAVID KING, H. MICHAEL CHUNG

- “ELECTRONIC COMMERCE – A MANAGERIAL
- PERSPECTIVE ,
- Pearson Education Asis – 2000.

Elective – III	B	HRD (Human Resource Development)
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Goal: To enable the students to learn the principles and practices of developing human resources.

UNIT I:

HRD - Meaning, scope, importance, difference between traditional personnel management and HRD. Role Analysis and HRD-Key performance areas, Critical Attributes, Role Effectiveness, Role analysis methods.

UNIT II:

Performance appraisals and performance development - objectives of performance appraisal - The past and the future; Basic considerations in performance appraisal; Development oriented appraisal system. Interpersonal Feedback and performance counseling

UNIT III:

Potential Appraisal and Development. Career planning and Development.

UNIT IV:

Training - conceptual framework for training; learning principles; Identification of training needs; Determination of training objectives; Training programme design; Training methods and their selection criteria.

UNIT V:

Organization Effectiveness - Organisation Culture, HRD climate; Organization Development - characteristics, HRD - OD interface. HRD experiences in India - Emerging trends and perspectives.

REFERENCES:

1. Pareek Udai and T.V.Rao, Designing and Managing Human Resource Systems, Oxford & IBH.
2. Rao T.V.performance Appraisal: Theory and Practice.AIMA-Vikas.
3. ILO: An Introductory course in Teaching and Training Methods for Management Development. Sterling Publishers.
4. Rao T.V.et.al.(ed) Alternative Approaches and Strategies of HRD Rewat Publications.
5. Silvera D.M. - Human Resource Development - the Indian Experience New India Publications.

6. Rao VSP, Human Resource Development, Response Books, 2001.
7. Kandula S.R, Strategic Human Resource Development, PHI, 2001.

Elective – III	C	Insurance Principles and Practice
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Goal: To enable the students to acquire knowledge of Insurance Business

Objective: On successful completion of this course, the students should have understood

- ✂ Principles of Insurance
- ✂ Life Insurance and General Insurance business in India

UNIT-I

Defining Risk and Uncertainty - Classification of risk - Sources of risk - External and Internal Insurance - Meaning, nature and significance essential requirements and principles of risk insurance; reinsurance; privatisation of insurance business in India; Insurance Regulatory Development Authority – Recent Developments in the Insurance sector.

UNIT-II

Life Insurance - Law relating to life Insurance; General Principles of Life Insurance Contract; Proposal and policy; assignment and nomination; title and claims; concept of trust in life policy; LIC - Role and functions.

UNIT-III

General Insurance - Law relating to general insurance; different types of general insurance; general insurance Vs life insurance; nature of fire insurance ; various types of fire policy ; subrogation; double insurance; contribution; proximate cause; claims of recovery. Accident and Motor Insurance - Nature, disclosure, terms and conditions claims and recovery; third party insurance; Compulsory motor vehicle insurance; accident insurance.

UNIT-IV

Deposit and Credit Insurance - Nature, terms and Conditions, claim, recovery etc., public liability insurance; emergency risk insurance structure and power, function of General Insurance Corporation of India; Deposit Insurance and credit Guarantee Corporation.

UNIT-V

Marine Insurance - Law relating to marine insurance ; scope and nature; types of policy; insurable interest; disclosure and representation; insured perils; proximity cause; voyage; warranties; measurement; subrogation; contribution; under insurance.

TEXT BOOKS

1. M.N.Mishra : Insurance Principles and Practices
2. Kothari & Bahl : Principles and Practices of Insurance
3. G.S.Panda : Principles and Practices of Insurance
4. N.D.Kapoor : Elements of Business Law
5. P.Periyasamy : Principles and Practices of Insurance
