**B.B.M - Information Systems**

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

**SCHEME OF EXAMINATION – CBCS Pattern**

<table>
<thead>
<tr>
<th>Part</th>
<th>Study Components</th>
<th>Course Title</th>
<th>Ins. Hrs./Week</th>
<th>Dur. Hrs.</th>
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## SEMESTER – V

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$ Includes 25% / 40% continuous internal assessment marks for theory and practical papers respectively.
@ No University Examinations. Only Continuous Internal Assessment (CIA)
# No Continuous Internal Assessment (CIA). Only University Examinations.

## List of Elective papers (Colleges can choose any one of the paper as electives)

<table>
<thead>
<tr>
<th>Elective – I</th>
<th>A</th>
<th>Data Mining and warehousing</th>
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<td>B</td>
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<tr>
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<td>C</td>
<td>Marketing Research</td>
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<td>Elective – II</td>
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<td>C</td>
<td>Insurance Principles and Practice</td>
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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**


**UNIT –II**


**UNIT –III**


**UNIT -IV**


**UNIT - V**


**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

UNIT - II

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 - Skewness 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**

**UNIT - III**

**UNIT – IV**

**UNIT - V**
Leadership - types - theories – Trait, Managerial Grid, Fiedder’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 - Keyne's Liquidity preference theory – Theories of Profit - Dynamic theory of Profit - Risk Theory - Uncertainty theory.

UNIT - V


REFERENCE BOOKS
1. Sankaran - Business Economics
2. Markar Et al - 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 – mx2 and 2xn 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**

**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**
2. P.R. Vittal - Operations Research
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

UNIT – II

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

UNIT – IV

UNIT - V

Books for Reference:
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**


**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**


**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**


**UNIT - III**


**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**


**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


Unit-II


Unit-III


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

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
4. Prepare the document in newspaper column layout.

**MS – EXCEL**

5. Worksheet Using Formulas.
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


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 advalorum 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

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


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
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)


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)


UNIT - IV (Theory only)


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
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**


**UNIT IV**


**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

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:

REFERENCE BOOKS:
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, etc.

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

UNIT III  LAW OF SALE OF GOODS

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

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 Law
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:
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)

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,

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,

Reference Books
4. Jeffrey A. Hoffer, Mary B. Prescott, Fred R. Mcfadden, "Modern Database Management",
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

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

Reference book
RDBMS (Relational Database Management System)

UNIT I
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

UNIT III
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

TEXT BOOK

REFERENCE BOOKS
1. Alexis Leon And Mathews Leon, “Database Management Systems” Vikas pub
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.

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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 —
Ww4iyand 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

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

Gibson G Vedamani — Retail Management — Functional Principles and Practice, Jaico
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


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

UNIT II

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

UNIT V

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

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

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:**
- Philip Kotler, Marketing Management, Prentice Hall, 2005
Elective – I  A  Data Mining and Warehousing

**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**

**UNIT II**

**UNIT III**

**UNIT IV**

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

**REFERENCE BOOKS**
5. Jiawei Han & Micheline Kamber, “ Data mining Concepts & Techniques”, 2001, Academic press
Elective – I | B | Modern Office Management

Unit – I Office Management and Organization

Unit – II Office Environment & Communication

Unit – III: Office Correspondence & Record Management

Unit – IV: Office Systems & Procedures

Unit – V Office Personnel relations

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 | Marketing Research

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:

2. Sharma S.S., Marketing Research.
Elective – II  A  Software Engineering

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 testing-black
box testing.

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

TEXT BOOKS:

REFERENCE BOOKS:
Elective – II | B | Industrial Relations and Labour Laws

**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**

**UNIT III**

**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
5. N.D. Kapoor - Mercandile Law - Sultan Chand & Sons
Elective – II | C | Global Business Management

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

UNIT -III

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

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

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

UNIT – III

UNIT – IV

UNIT –V

Reference Books :-
EFRAIM TURBUN, JAE LEE, DAVID KING, H. MICHAEL CHUNG
- “ELECTRONIC COMMERCE – A MANAGERIAL PERSPECTIVE ,
Elective – III  |  B | HRD (Human Resource Development)

**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:**
**Elective – III**

**Insurance Principles and Practice**

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

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