S.D.N.B.VAISHNAV COLLEGE FOR WOMEN
CHENNAI-44
SYLLABUS AND REGULATIONS
DEPARTMENT OF B.Sc. (ISM)
I YEAR

Subject	CA	ESE	Maxim Marks	No. Of Credits Per Paper	Exam Duration	Total No. Of Credits	No. Of Teaching Hours Per Paper
Language I	25	75	100	4	3	3	90
English I	25	75	100	4	3	3	90
MAJOR							
Introduction to Accounting	25	75	100	4	3	4	75
Computer Applications in Business(Theory)	15	60	75	2	3	2	50
Computer Applications in Business (Practicals)	-	25	25	1	3	1	25
ALLIED							
Business Communication.	25	75	100	5	3	5	70
NON MAJOR ELECTIVE PAPERI							
Principles of Programming languages	-	-	100	2	2	2	30
Language II	25	75	100	4	3	3	90
English II	25	75	100	4	3	3	90
MAJOR							
Management Principles	25	75	100	4	3	4	75
Internet Programming (Theory)	15	60	75	2	3	2	50
Internet Programming(Practical)	-	25	25	1	3	1	25
ALLIED							
Business Environment	25	75	100	5	3	5	70
NON MAJOR ELECTIVE PAPERII							
Micro Finance	-	-	100	2	2	2	30

SEMESTER I

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44

DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER - I
INTRODUCTION TO ACCOUNTING – MAJOR I
Commom for Bsc (ISM) and BBA

Unit I

Meaning and Scope of Accounting, Basic Accounting Concepts and Conventions – Objectives of Accounting – Accounting Transactions – Double Entry Books Keeping – Journal, Ledger, Preparation of Trail Balance – Preparation of cash Book – An overview of accounting standards AS1 – AS6 (only theory)   (15 hours)

Unit II

Preparation of Final Accounts of a Sole Trading Concern- Adjustments – Closing Stock, Outstanding and Prepaid items, Depreciation, Provision for Bad Debts, Provision for Discount on Debtors, Interest on Capital and Drawings – Meanings and definitions of Non-Performing Assets.   (20 hours)

Unit III
Preparation of Receipts and Payments Account, Income & Expenditure Account and Balance Sheet of Non Trading Organizations.   (10 hours)

Unit IV
Classfication of errors – Rectification of errors – Preparation of Suspense Account -
Bank Reconciliation Statement   .   (15 hours)

Unit V
Depreciation – Meaning, Causes, Types – Straight Line Method – Written Down Value Method (Change in Method excluded).   (15 hours)

Proportionate of Ratio for Theory and Problems 20:80 (Only Simple Problems)

Reference Books:

1. R.L. Gupta & V.K. Gupta – Advanced Accounting – Sultan Chand – New Delhi
2. T.S Reddy & A.Murthy – Financial Accounting – Margham Publications – Chennai
3. Shukla & Grewal – Advanced Accounting – S Chand – New Delhi
4. Jain & Narang – Financial Accounting
5. P.C.Tulsian – Financial Accounting
6. S.Parthasarathy and A. Jaffarulla (Kalyan Publishers) – Financial Accounting
7. R.L. Gupta & Radhaswamy – Advanced Accounting – Volume 1

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks

75 marks

INTERNAL ASSESSMENT

- Test Marks
    - 3 hour test   5 marks
    - Continuous Assessment test   2 ½ marks
    - Continuous Assessment test   2 ½ marks

- Assignment(individual)   5 marks
- Seminars/quiz/GD   5 marks
- Attendance   5 marks

25 marks

100 Marks

**S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44**

**DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER - I
COMPUTER APPLICATION IN BUSINESS – MAJOR II**

Unit I

Word Processing : - Meaning and role of word processing in creating of documents, Editing , formatting and printing documents, using tools such as spelling check, thesaurus, etc., in word processors (MS Word)   **(10 hours)**

Unit II

Electronic spreadsheet,Structure of spreadsheet ,Using Built in functions, Concept of absolute and relative cell reference; Sharing data with other desktop application;
(MS-Excel)   **(10 hours)**

Unit III

Programming under a DBMS environment : - The concept of data base management system; Data field, records , and files, sorting and Indexing data; Searching records, Designing queries, and reports; Linking of data files (MS- Access).   **(15 hours)**

Unit IV

Electronic Data Interchange (EDI) :- Introduction to EDI – Basics of EDI; EDI standards - Financial EDI (FEDI) FEDI for international trade transaction; Applications of EDI, Advantages of EDI; Future of EDI.   **(10 hours)**

Unit V

The internet and its basic concepts :- Internet Concept , History, Technological foundation of internet ;Client – Server computing; Application of distributed computing; Domain Name System (DNS) ; Generic Top – Level Domain (GTLD); Country code Top Level Domain (cc TLD) – India; - Allocation of second level domains; IP addresses, Internet protocol; - Application of internet in business, Education, Governance, etc.   **(15 hours)**

Reference Books:

1. Herbert Schildt, 2000, Windows 2000 programming from the Ground up, Tata McGraw Edition 2000
2. Comdex Computer Course Kit, Training Kit for Windows 98/me, Word, Excel, Access 2000 and Internet dream tech press.
3. Kalakota & Whinston, 1999, Frontier of Electronic Commerce, Addision Wesley Longman Inc.
4. Napier, Judd, Rivers, Wagner, 2001, Creating a Winning E-Business, Vikar Publishing House.

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	1 mark each	10 marks
Section B	5 out of 7 questions	4 marks each	20 marks
Section C	2 out of 4 questions	15 marks each	30 marks
			─────── 60 marks

PRACTICALS   25 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test
    I & II   3 marks

- Assignment(individual)   2 marks
- Attendance   5 marks
                                                            ───────

                                                                       15 marks

                                                                       100 Marks

DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER - I

BUSINESS COMMUNICATION – ALLIED I
Commom for Bsc (ISM) and BBA

UNIT I

Definition – Methods – Types – Principles of effective Communication – Barriers to Communication – Business Letter – Layout.   (8 hours)

UNIT II

Kinds of Business Letters : Interview – Appointment – Acknowledgement – Promotion – Enquiries – Replies – orders – sales – circular – complaints.   (12 hours)

UNIT III

Bank Correspondence – Insurance Correspondence – Agency Correspondence - Correspondence with Shareholders, Directors.   (22 hours)

UNIT IV

Reports Writing – Agenda, Minutes of Meeting – Memorandum – office order – Circular – Notes.   (20 hours)

UNIT V

Modern Forms of Communication : Fax – E-mail – Video Conferencing – Internet – Websites and their use in Business.   (8 hours)

REFERENCE BOOKS:

1. Essential of Business Communication – Rajendra Pal & J.S Korlahalli

2. Communication for Business – Shirley Taylor.

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks

                                                            75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

-              Assignment(individual)   5 marks
-              Seminars/quiz/GD   5 marks
-              Attendance   5 marks

                                                    25 marks

                                                    100 Marks

SEMESTER – I
NON MAJOR ELECTIVE PAPER – I
PRINCIPLES OF PROGRAMMING LANGUAGES

(Offered to Students of Other Departments)

OBJECTIVES:

- To enable the students to understand the fundamentals of programming languages.
- To enable the students to write simple programs.

UNIT – I

Programming Languages: Requisites of Good programming languages – Structure and operation of a computer

Enumerated Data Types: Variables, Expressions and Statements

(5 hours)

UNIT – II

Structured Data Types: Structured Data Objects and Data Types - Character Strings and Variable-size Data Structures – Files: Input and Output

(3 hours)

UNIT III

Sequential Control: Labels and Goto statement, Compound Statement, Conditional Statement, Iteration Statement – Exception and Exception Handlers.

(4hours)

UNIT IV

Storage Management: Static Storage Management, Stack Based Storage Management

(4 hours)

UNIT – V

An overview of Languages: BASIC, COBOL

(4 hours)

Practical Session: (10 hours)
- Simple programs in BASIC
- Simple programs in COBOL

REFERENCE BOOKS:
1. Fundamentals of Programming Languages – E.Horowitz – Galgotia Publishers

2. Computer Applications in Business and Management – Ananthi Sheshasaayee – Margham Publications.

SEMESTER II

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44
DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER – II
MANAGEMENT PRINCIPLES – MAJOR III
Commom for Bsc (ISM) and BBA

Unit I

Introduction : Concept, nature , process and significance of management; Managerial roles and skills; Development of management thought; Classical and neo – Classical systems; Contingency approaches : - Robert Owen, Taylor Fayol, and Elton Mayo.   (13 hours)

Unit II

Planning – Nature – Importance – Forms – Types – Steps in planning – Objectives – Policies – Procedures and methods – Nature and types of policies – Decision Making – Process of decision making – Types of decisions – Problems involved in decision – making.   (20 hours)

Unit III

Organizing – Types of Organisation (Line and staff, Committees, Projects, Matrix, Informal Organization) – Organizational Structure – Departmentation – Span of Control.

Delegation – Authority – Uses of Authority – Difference between Authority and Power – Responsibility – Decentralization – Difference between centralization and decentralization.
                                                                    (35 hours)

UNIT IV

Staffing - Meaning and functions of Staffing – Directing – Nature, Purpose and Scope of Directing, Leadership – Traits and Types.   (17 hours)

UNIT V

Co-ordination – Need for Co-ordination – Types – Techniques – Distinction between Co-ordination and Co- operation – Requisites for excellent Co-ordination.
Controlling – Meaning importance and Types of Controls – Control Process.   (15 hours)

REFERENCE BOOKS :

1.   P.C Tripathi & P.N. Reddy – Principles of Management.

2.   C.B. Gupta – Principles of Management.

3.   L.M. Prasad – Principles of Management

4.   Lallan Prasad – Principles of Management.

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks

                                                                        75 marks

INTERNAL ASSESSMENT

- Test Marks
    - 3 hour test   5 marks
    - Continuous Assessment test   2 ½ marks
    - Continuous Assessment test   2 ½ marks

- Assignment(individual)   5 marks
- Seminars/quiz/GD   5 marks
- Attendance   5 marks

                                                            25 marks

                                                            100 Marks

**S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44**

**DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER – II**

INTERNET PROGRAMMING – MAJOR IV

Unit I   (15 hours)

Internet Basic – Introduction to HTML – List – Creating Table – Linking Documents – Frames – Graphics to HTML documents – Style Sheet - Style Sheet Basic – Add Style to document.

Unit II   (17 hours)

Creating style sheet rules – Style sheet properties – Font – Text – List – Color and background color – Box – Display properties.
Introduction to JavaScript – Advantages of JavaScript – JavaScript syntax – Data type – Variables – Arrays.

Unit III   (14 hours)

Operator and expression – Looping Constructor – Function – Dialog Box – JavaScript document object model.

Unit IV   (15 hours)

Introduction – Object in HTML – Event Handling – Window Object – Document Object – Browser Object – Form object methods – Screen Object – Build in Object – User defined object – Cookies.

Unit V   (14 hours)

DHTML – Cascading style sheets – Class – External style sheet – Working with JavaScript Style Sheet (JSSS).

REFERENCE BOOKS:

1. Ivan Bayross, Web enable commercial application development using HTML, DHTML, JavaScript, BPB Publications, 2000.

2. J. Jaworski, Mastering JavaScript, BPB Publications, 2000.

3. T.A. Powell, Complete reference HTML (Third edition), TMH, 2002.

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	1 mark each	10 marks
Section B	5 out of 7 questions	4 marks each	20 marks
Section C	2 out of 4 questions	15 marks each	30 marks

                     ───────── 60 marks

PRACTICALS   25 marks

INTERNAL ASSESSMENT

- Test Marks
    - 3 hour test   5 marks
    - Continuous Assessment test
            I & II   3 marks

-        Assignment(individual)   2 marks
-        Attendance   5 marks

                      ─────────

                         15 marks

                         100 Marks

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44

DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER – II
BUSINESS ENVIRONMENT – ALLIED II
Commom for Bsc (ISM) and BBA

Unit I

The concept of Business Environment – Nature and significance – Brief overview of political – Cultural – legal – economic and social environments and their impact on business and strategic decisions.   (5 hours)

Unit II

Political Environment – Economic Systems, Functions, – Overview of Types of economic system - Government and Business relationship in India – Provisions of Indian constitution pertaining to business.   (15 hours)

Unit III

Social environment – Cultural heritage – social attitudes – impact of foreign culture – castes and communities – joint family systems – linguistic and religious groups – Types of social organization – social responsibilities of business.   (15 hours)

Unit IV

Economic Environment – Economic systems and their impact of business – Macro economic parameters like GDP – Population growth rate – Urbanization - Fiscal deficit – Investment plan – Per capita income and their impact on business decisions – Five Year Planning.
                                      (18 hours)

Unit V

Financial Environment – Financial system – Commercial banks – Financial Institutions – RBI Stock Exchange – IDBI – Non Banking Financial Companies NBFCs
                                      (17 hours)

REFERENCE BOOKS :

1. Sankaran S – Business Environment

2. Francis Cherunilam – Business Environment

3. Aswathappa – Business environment

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks
			75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

  - Assignment(individual)   5 marks
  - Seminars/quiz/GD   5 marks
  - Attendance   5 marks

                                          25 marks

                                          100 Marks

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SEMESTER – II
NON MAJOR ELECTIVE PAPER – II

MICRO FINANCE

(Offered to Students of Other Departments)

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OBJECTIVE:

- **To create an awareness about micro finance**
- **To know the level of financial assistance provided by Micro finance institutions**

Unit – I

Micro finance – meaning, definition, need and importance of Micro finance – evolution of Micro finance

(5 Hours)

Unit – II

Contribution of Mohammed Yunus's Grameen Bank 1976 – its features, Factors which led to success of micro finance

(6 Hours)

Unit – III

Micro finance & Self Help Groups – Emergence of Self Help Groups –Characteristics – Types of Self Help Groups

(8 hours)

Unit - IV

Types of financing agencies giving Micro finance – procedure for Micro finance

(6 hours)

Unit-V

Role of NABARD in micro finance- problems and prospects in Micro finance

(5 Hours)

REFERENCE:

1) www.microfinancegateway.org
2) www.microfinance.com
3) www.ifmr.ac.in/cmf
4) www.wikipedia.org/wiki/microfinance

SEMESTER III

Subject	No. of Papers	CA	ESE	Max. Marks	No. of Credits/ Paper	Exam Duration	Total No. of Credits	No. of Teaching hours /Paper
SEMESTER III								
Major-V Human Resource Management	1	25	75	100	4	3hrs	4	100
Major-VI Management Accounting	1	25	75	100	3	3hrs	3	100
Major-VII Programming in C	1	25	75	100	4	3hrs	4	90
Major-VIII C Practicals	1	25	75	100	3	3 hrs	3	70
Allied – III Business Statistics I	1	25	75	100	5	3hrs	5	90
SEMESTER IV								
Major-IX Marketing Management	1	25	75	100	4	3hrs	4	100
Major-X Financial Management	1	25	75	100	3	3hrs	3	100
Major-XI Database Management System	1	25	75	100	4	3hrs	4	90
Major-XII RDBMS – Oracle(Practicals)	1	25	75	100	4	3hrs	4	70
Allied – IV Business Statistics II	1	25	75	100	5	3hrs	5	90

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS) CHENNAI-44

DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER – III
HUMAN RESOURCE MANAGEMENT – MAJOR V
Commom for Bsc (ISM) and BBA

UNIT I

Nature and scope of Human Resource Management – Differences between personnel management and HRM – Environment of HRM – Human resource planning – Recruitment – Selection – Methods of Selection – Uses of various tests – Interview techniques in selection.

(25 hours)

UNIT II

Placement - Induction – Training – Methods – Techniques and Identification of the training needs - Training and Development.   (20 hours)

UNIT III

Performance appraisal – Transfer – Promotion – Career Development

(15 hours)

UNIT IV

Remuneration – Components of remuneration (Wages and Salaries) – Incentives – Motivation – Retirement of Benefit – Gratuity – Pension – Provident Fund - Welfare and Social Security Measures.   (15 hours)

UNIT V

Human Resource Audit – Nature – Benefits – Scope – Approaches   (15 hours)

Reference Books :

1. C.B. Gupta – Human Resource Management – 6th Edition, Sultan Chand & Sons – New Delhi, 2003.

2. S.S. Khanka - Human Resource Management – Sultan Chand & Sons – New Delhi, 2005.

3. L.M. Prasad - Human Resource Management – 1st Edition, Sultan Chand & Sons – New Delhi, 2001.

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks

75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

- Assignment(individual)   5 marks
- Seminars/quiz/GD   5 marks
- Attendance   5 marks

25 marks

100 Marks

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44

DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER – III
MANAGEMENT ACCOUNTING
MAJOR VI

UNIT – I

Management accounting – meaning, nature, scope and functions need, importance and limitations – Management accounting vs. Cost accounting management accounting vs Financial accounting.   (10 hours)

UNIT – II

Funds flow and cash flow analysis   (25 hours)

UNIT – III

Ratio analysis – interpretation, benefits and limitations. Classification of ratios – liquidity, profitability, turnover, capital structure and coverage   (25 hours)

UNIT – IV

Budgets and budgetary control – meaning, objectives, merits and demerits. Types of Budgets – Production, Cash and Flexible budgets.   (20 hours)

UNIT – V

Marginal costing (excluding decision making) absorption costing and marginal costing – CVP analysis – Breakeven analysis - Breakeven Chart.   (20 hours)

<u>**QUESTION PAPER PATTERN**</u>   **:**   **80% - Problems**
                                                20% - Theory

Reference Books :

1. Dr. Maheswari S.N – Management Accounting – 11th Edition - Sultan Chand & Sons, New Delhi – 1999.
2. T.S. Reddy and Hariprasad Reddy – Management Accounting – 3rd Edition – Margham Publications, Chennai – 2005.

3. Pillai and Bhagawathi – Management Accounting – 1st Edition – Sultan Chand & Sons, New Delhi – 2004.

<u>**QUESTION PAPER PATTERN**</u>

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks

                                                                                  75 marks

INTERNAL ASSESSMENT

- Test Marks
    - 3 hour test   5 marks
    - Continuous Assessment test   2 ½ marks
    - Continuous Assessment test   2 ½ marks

    -     Assignment(individual)   5 marks
    -     Seminars/quiz/GD   5 marks
    -     Attendance   5 marks

                                                                    25 marks

                                                                    100 Marks

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44

DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER – III

PROGRAMMING IN C – MAJOR VII

UNIT – 1

C fundamentals – Character set – Identifier and keywords – Data types – Constants – Variables – Declaration – Expressions – Statements – Operators – Arithmetic, Unary, relations, logical, Assignment and conditional Library functions.
(15 hours)

UNIT – II

Input/Output functions – Simple C programs – Flow of control – Control structures – Switch, break, continue, goto statements- comma operator (20 hours)

UNIT – 1II

Functions – Defining, accessing functions – Function prototypes – passing arguments – recursion – storage classes. (15 hours)

UNIT – 1V

Arrays – Definition and processing – Passing arrays to function – multidimensional arrays – arrays and string - structures – Pointers – Declaration, Operations on pointers, Passing pointers to functions, Pointers and arrays (25 hours)

UNIT – V

Introduction to files – basic concepts of object oriented programming- classes and objects
(15 hours)

Reference Books:

1. Gottfried B.S – Programming with C – second edition TMH Pub.Co.Lt.
   - New Delhi – 1996

2. Kanctkar y : Let us c _ BPB pub. _ New Delhi – 1999

3. E. Balagurusamy – Programming in ANSI C

<u>**QUESTION PAPER PATTERN**</u>

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks

75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

-         Assignment(individual)   5 marks
-         Seminars/quiz/GD   5 marks
-         Attendance   5 marks

25 marks

100 Marks

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44

DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER – III

C PRACTICALS – MAJOR VIII

1. To find max and min of numbers
2. To generate Fibonacci series
3. npr and ncr
4. matrix addition and subtraction
5. Transpose of a Matrix
6. Sorting – Bubble Sort
7. Reverse a string and check for palindrome
8. counting the number of vowels, consonants, words and white spaces in a line of text
9. linear search
10. binary search
11. illustration of classes and object concept.

Question Paper Pattern

Record Work   -25 Marks

Practical Examination   -75 Marks

**S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44**

**DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER – III**

BUSINESS STATISTICS I –ALLIED III
Commom for Bsc (ISM) and BBA

UNIT – I

Introduction – Origin and development of statistics – Definition of statistics – Importance and scope of statistics-Limitations of statistics.   (5 hours)

UNIT – II

Collection-Classification and tabulation of data – Types of importance.

Frequency distribution – Frequency table – Discrete and continuous series . (15 hours)

UNIT – III

Measures of central tendency –Types of Averages- Mean: Arithmetic mean, Geometric mean, Harmonic mean – Median – Mode.   (15 hours)

UNIT – IV

Measures of dispersion – Range, Quartile Deviation, Mean Deviation, Standard Deviation – Combined Mean and Standard Deviation.

Skewness – meaning, definition and types – Karl Pearson's co-efficient of Skewness and Bowley's Co-efficient of Skewness.   (18 hours)

UNIT – V

Correlation Analysis – Meaning Significance and types of correlation – Scatter diagram, Karl Pearson's co-efficient of correlation and Spearman's Rank Correlation.

Regression Analysis: Meaning and importance – Regression equations.   (17 hours)

REFERENCE BOOKS :

1. S.P. Gupta – Elements of Business Statistics – 28th edition – Sultan Chand & Sons, New Delhi – 2000.

2. R.S.N. Pillai – Statistics – Revised edition – Sultan Chand & Sons – 2003.

3. Dr. P.R. Vittal – Business Statistics - 2nd Edition – Margham Publications, Chennai – 2001.

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks
			75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

- Assignment(individual)   5 marks
- Seminars/quiz/GD   5 marks
- Attendance   5 marks

                                                        25 marks

                                                        100 Marks

SEMESTER IV

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS) CHENNAI-44

DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER – IV

MARKETING MANAGEMENT – MAJOR IX

UNIT I

Fundamentals of marketing – Role and importance of Marketing – Marketing Environment- Functions of marketing- Concept of marketing mix –Buyer Behaviour- Factors influencing buyer behavior- Buying motives. Marketing segmentation –Need and basis of segmentation- Targeting- Positioning. (25 hours)

UNIT II

Product- Characteristics- Benefits- Classification –Consumer goods- Industrial goods – New product development process- Product Life cycle-Branding –Labelling- Packaging.
(15 hours)

UNIT III

Pricing- Factors influencing procing decisions- Pricing objectives- Pricing policies and procedures- Different methods of pricing.
Physical Distribution: Importance - Various kinds of marketing channels-distribution problems. (15 hours)

UNIT IV

Promotion: An overview of sales promotion- personal selling- Publicity- Advertising- Kinds –Advertising copy– Advertising budget- Effectiveness of advertising – Public relations. (25 hours)

UNIT V

Customer Relationship Management and Relationship Marketing: Acquisition, Retention, Loyalty and Partnering. (10 hours)

Reference Books:

1. Philip Kotler and Armstrong – Marketing Management
2. V.S. Ramaswamy, S. Namakumari- Marketing Management- Third edition,Macmillian India Ltd., 2002.

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks

75 marks

INTERNAL ASSESSMENT

- Test Marks
    - 3 hour test   5 marks
    - Continuous Assessment test   2 ½ marks
    - Continuous Assessment test   2 ½ marks

- Assignment(individual)   5 marks
- Seminars/quiz/GD   5 marks
- Attendance   5 marks

25 marks

100 Marks

**S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44**

**DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER – IV
FINANCIAL MANAGEMENT – MAJOR X**
Commom for Bsc (ISM) and BBA

UNIT – I(Theory only)

Financial management: Definition, Meaning, objective and scope –Functions of a finance manager.   (10 hours)

UNIT – II (Theory & problems)

Financial Planning, Capital Structure: Factors influencing Capital Structure –Importance of capital structure- Financial, operating and combined leverage.
                                                                                        (25 hours)

UNIT – III (Theory only)

Cost of capital – Basic concepts, rational and assumptions – Cost of equity capital – cost of debt – cost of preference capital – cost of retained earnings – Weighted average cost of capital.   (25 hours)

UNIT – IV(Theory & problems)

Capital Budgeting Decisions: Nature of investment decisions- Investment evaluation criteria- Payback period – Accounting Rate of Return – Discounted payback period.
Net present value- Internal rate of return.   (20 hours)

UNIT – V (Theory & Problems)

Working capital management :   Concept of operating /Working capital Cycle – Determinants of Working capital – Estimation of Working capital cycle.
                                                                                        (20 hours)

Question paper pattern: 60% Theory
                            40% problems

Reference books :

1. Financial Management – Prasanna Chandra
2. khan and jain – financial management
3. Pandey I M – Financial Management
4. P.V. Kulkarni , B.G.Satya prasad – 11th revised edition, Himalaya Publihing house 2002.

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks

                                                                        75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

- Assignment(individual)   5 marks
- Seminars/quiz/GD   5 marks
- Attendance   5 marks

                                                                        25 marks

                                                                        100 Marks

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44

DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER – IV

DATABASE MANAGEMENT SYSTEMS – MAJOR XI

UNIT – I

Purpose of Database systems –Advantages and application of DBMS- Overall System Structure – Entity Relationship Model – Mapping Constraints – Primary Key – Foreign Keys – Super keys-Candidate keys- ER Diagrams   (10 hours)

UNIT – II

Relational model : Structure – formal query languages – Structured query language- Data Definition language– Data Manipulation language – Data Control Language. Data Dictionary.
                                                                                                (20 hours)

UNIT – III

Relational Database Design : Pitfalls – Normalization using functional dependencies – Decomposition–-Third Normal form-Fourth Normal form-Boyce codd normal form.
                                                                                (25 hours)

UNIT – IV

PL/SQL : Approach and Advantages – PL/SQL blocks - variables – Manipulating Data – Procedural constructs – Exception handling – Program units in oracle forms – PL/SQL Editor.
                                                                                (25 hours)
UNIT – V

Database Admin – Development Stages – Back up and Recovery - Security and Privacy- Distributed Databases- Introduction- Distributed DBMS Architecture-Distributed Transaction – Distributed Concurrency Control.   (10 hours)

Reference Books :

1. C.J. Date – An introduction to Database systems – 7th Edition – Addison Wesley 2000
2. H.F. Korth and A. Silberschatz – Database system concepts – MCGraw Hill International Publication - 1988

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks
			75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

- Assignment(individual)   5 marks
- Seminars/quiz/GD   5 marks
- Attendance   5 marks

                                    25 marks

                                    100 Marks

**S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44**

**DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER – IV**

RDBMS – ORACLE PRACTICALS – MAJOR XII

1. EXCEPTION HANDLING – user defined and built in
2. Using cursors
3. Accepting Input from the user
4. Creating Procedure and Function
5. Creating Database Trigger

Question Paper Pattern

Record Work   -25 Marks

Practical Examination   -75 Marks

**S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44**

**DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
SEMESTER – IV**

BUSINESS STATISTICS - II - ALLIED IV
(Common to B.sc. (ISM) and B.B.A.)

UNIT I

Time series Analysis – Meaning, Need and components of time series – Different methods: Simple Average Method – Freehand, Semi-average, Moving Average and Least Square Method – Seasonal Indices.   (10 hours)

UNIT II

Index Numbers – Definition, Uses, Methods of Construction of Index numbers – Types: Unweighted and Weighted Index Numbers. Simple, Aggregate, Price relatives mode – Laspeyeres Method, Paasches Method, Bowley's Method and Fisher's index number – Time and factor reversed tests – Cost of living index.   (15 hours)

UNIT III – Theory only

Sampling Techniques – Types of sample – Random and non-random sampling – Sampling procedures – Sampling errors.

Test of hypothesis – Procedure of testing hypothesis – Errors in testing hypothesis
                                              (5 hours)

UNIT IV – Simple problems

Chi-square test – Conditions for application of chi-square test – Uses of chi-square test and cautions while applying chi-square test.   (20 hours)

UNIT V – Simple problems

Analysis of variance – Assumption on analysis of variance – One way classification and Two way classification.   (20 hours)

REFERENCE BOOKS:

1.   S.P. Gupta – Elements of Business Statistics – 28th edition – Sultan Chand and Sons, New Delhi – 2000.

2.   R.S.N. Pillai and Bhagavathy – Statistics – Revised edition Sultan Chand and Sons – 2003.

3.   Dr. P.R. Vittal – Business Statistics – 2nd edition – Margham Publications, Chennai – 2001.

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks
			75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

-         Assignment(individual)   5 marks
-         Seminars/quiz/GD   5 marks
-         Attendance   5 marks

                                                                           25 marks

                                                                           100 Marks

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN(AUTONOMOUS)
CHENNAI – 44
SYLLABUS AND REGULATIONS
DEPARTMENT OF B.Sc(ISM)

Subject	No. of Papers	CA	ESE	Max. Marks	No. of Credits per Paper	Exam Duration	Total No. of Credits	No. of Teaching hours per Paper
SEMESTER V								
Major-XIII Operations Research	1	25	75	100	4	3hrs	4	90
Major-XIV Cost Accounting	1	25	75	100	4	3hrs	4	90
Major-XV Visual Basic Programming	1	25	75	100	4	3hrs	4	90
Major-XVI Visual Basic Programming Practical	1	25	75	100	4	3 hrs	4	90
Core Elective -I Banking	1	25	75	100	4	3hrs	4	90
SEMESTER VI								
Major-XVII Business Maths	1	25	75	100	4	3hrs	4	90
Major-XVIII Software Project Management	1	25	75	100	4	3hrs	4	90
Major-XIX Tally & SPSS	1	25	75	100	4	3hrs	4	90
Core Elective-II E-Business	1	25	75	100	4	3hrs	4	90
Core Elective-III Group project	1	25	75	100	4	3hrs	4	90

SEMESTER V

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44
DEPARTMENT OF B.Sc (Information System and Management)
SYLLABUS
III YEAR – MAJOR - XIII
SEMESTER-V
(Common for B.Sc(ISM) and B.B.A.)
OPERATIONS RESEARCH

UNIT-I   (5 HOURS)

Introduction to OR – Meaning & Scope – Characteristics – Different types of Models used in OR – Its advantages & disadvantages – Importance of OR in Decision Making Process – Limitations.

UNIT-II   (20 HOURS)

Linear Programming – Components of LPP, Use of LPP in Management decision making, Characteristics of LPP – Meaning of Slack Variable & Surplus Variable – Basic feasible solution, Optimal & Unbounded Solution – LPP – Formulation – Graphical method – Simplex method – Maximization & Minimization (simple problems only<type only).

UNIT-III   (25 HOURS)

Transportation Model – Basic feasible solution – NWCR, VAM, LCM – Solving for Optimal solution – MODI method.

Assignment Model – Formulation – Solution.

UNIT-IV   (20 HOURS)

        Net Work Analysis – Work Breakdown Analysis – Construction – Numbering of event – Time Calculation – CPM – PERT Analysis, Calculation of Float – Total, Free and Independent float.

UNIT-V   (20 HOURS)

        Decision Theory – Criteria for Decision making under uncertainty – EMV & EOL criterion – Decision trees.
        Game Theory – Meaning & Characteristics – Saddle point – Dominance property.
        Different methods of solving game theory problems (no LPP).

REFERENCE BOOKS:

1. Introduction to Operation Research – P.R. Vittal
2. Introduction to Operation Research – V.K. Kapoor
3. Introduction to Operation Research – P.K. Gupta & D.S. Hira

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks

75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

-                 Assignment(individual)   5 marks
-                 Seminars/quiz/GD   5 marks
-                 Attendance   5 marks

25 marks

100 Marks

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI – 600 044

DEPARMENT OF B.Sc (Information System and Management)
SYLLABUS
III YEAR
SEMESTER V
COST ACCOUNTING – MAJOR XIV

UNIT I   (15 HOURS)

Cost accounting – meaning, nature, objectives, significance & limitations – differences between cost and financial accounting – cost unit – cost center – profit center – investment center – preparation of cost sheets and tenders.

UNIT II   (25 HOURS)

Materials stores records; purchase order – goods received note – bin card – stores ledger inventory control; ABC analysis, EOQ, maximum, minimum, reorder level, average stock level & danger level ,JIT, methods of pricing issues- FIFO, LIFO

UNIT III   (15 HOURS)

Labour - importance of labour cost control – various methods of wage payments – calculation of wages – methods of incentive (bonus) schemes – recording labour time – treatment of overtime & idle time – labour turnover.

UNIT IV   (15 HOURS)

Overheads - classification – allocation – apportionment & reapportionment – principles of absorption and absorption of overheads –machine hour rate.

UNIT V   (15 HOURS)
Process Costing – Meaning – Features – Merits and Demerits –Process Losses- Normal loss, Abnormal loss and Abnormal gain(simple problems)

PROPORTIONATE RATIO FOR THEORY AND PROBLEMS: 20:80

REFERENCE BOOKS:

COST ACCOUNTING – T.S.REDDY&HARIPRASAD REDDY. – MARGHAM - 2000
COST ACCOUNTING –JAIN & NARANG.
COST ACCOUNTING – S.P. IYENGAR.
COST ACCOUNTING – REDDY & MURTHI.
COST ACCOUNTING – S.N. MAHESWARI – SULTAN CHAND – 2002

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks

75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

-           Assignment(individual)   5 marks
-           Seminars/quiz/GD   5 marks
-           Attendance   5 marks

25 marks

100 Marks

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44

DEPARTMENT OF B.Sc(Information System and Management)
SYLLABUS
III YEAR
SEMESTER-V

VISUAL BASIC PROGRAMMING - MAJOR XV

UNIT-I   (20 HOURS)

Starting with Visual Basic – SDI Environment – Toolbars – Code Window – Editing Tools – Statements in Visual Basic – Data Types : String, Numbers – Variables – Type Conversions – Constants – ToolBox : Creating Controls – Name Property - Command Button - Access Keys - Text Boxes – Labels – Image Controls – Grid – Form Event Procedures – Autoredraw Property – Refresh Method – Message Boxes – Input Boxes.

UNIT-II   (20 HOURS)

Customizing a Form : Project Explorer - Property Window – Common Form Properties, Scale Properties, Color Properties - Writing Simple Programs.
Displaying Information on a Form: CurrentX and CurrentY, Font Properties in code – Format Function – Picture Boxes – RichTextBoxes – Printer Object.
Controlling Program Flow: Determinate Loops – Indeterminate Loops – Making Decisions(Conditionals) – Select Case – Nested If-Then's – GoTo Statement.

UNIT-III   (20 HOURS)

Built-in Functions: String Functions, Random Function – Numeric Fuctions – Date and Time Functions – Financial Functions.
Functions and Procedures : Function Procedures – Sub Procedures – Advanced Uses of Procedures and Functions: - Passing by Reference, Passing by Value
Lists: One-Dimensional Arrays – Fixed Versus Dynamic Arrays – Static Arrays – Erase Statement – With Statement – Enums - Control Arrays - List and Combo Boxes - MSFlex Grid Control

UNIT-IV   (15 HOURS)

Building Larger Projects : Modules - Do Events and Sub Main – Methods and Events - Error Trapping – Monitoring Mouse Activity

Menus : Menu Editor, Sample Menu Editor Window, Working with Menus at Run Time - Multiple Document Interface(MDI) : Features – Creating a Toolbar on the MDI Form - Creating New Instances.

UNIT-V   (15 HOURS)

Tools and Techniques for Testing and Debugging : The Immediate Window - Debug Object - Categories of Bugs – Design Time, Compile time, Logical and Run time errors - Debugging Tools
Database Connections - Database Connectivity using Data Control and DAO – Stepping through the database records – Searching for a database record – Using SQL – Reading EOF and BOF Property.

REFERENCE BOOKS:

1. Noel Jerke – Visual Basic 6 – The Complete Reference –Tata McGraw Hill 1995.

2. Gary Cornell – Visual Basic 6 from the Ground Up –Tata McGraw Hill 1999.

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks

75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

  -           Assignment(individual)   5 marks
  -           Seminars/quiz/GD   5 marks
  -           Attendance   5 marks

25 marks

100 Marks

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI – 600 044

DEPARMENT OF B.Sc (Information System and Management)
SYLLABUS
III YEAR –SEMESTER V

VISUAL BASIC PROGRAMMING (VB PRACTICALS)
MAJOR XVI

1. Write a program to do money conversion. (conversion of rupees to various currencies)
2. Write a program to perform temperature conversion and inches to feet conversion. The program should include facility to change font size, to display with precision (decimal places). The program should use MDI forms.
3. Write a program to design a calculator with arithmetic, sqrt and trigonometric functions.
4. Write a program to select items from one list and move them to another list.
5. Write a program to implement the timer and shape controls.
6. Write a program to implement MSFlexgrid control.

For the following programs use Oracle, create a database and perform the operations given below.
Use a Menu Driven program:a) Insertion,(b).Deletion,(c)Modification,(d).Generate simple reports using queries.

1. Payroll Processing
2. Inventory Management
3. E-Banking
4. Mark Sheet Processing
5. Electricity Bill
6. Student Information System and Generate a report of students who have not paid the fees.

Question Paper Pattern

Record Work   **- 25 Marks**

Practical Examination   - 75 Marks

**S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44**

**DEPARTMENT OF B.Sc(Information System and Management)
SYLLABUS
III YEAR –SEMESTER-V
BANKING – Core Elective – I**
Commom for Bsc (ISM) and BBA

UNIT-I   (15 HOURS)

Bank – Meaning & Definition – Banking – Features of Banking, Classification of Banks – Relationship between Banker and Customer – Central Banking – Role of RBI and their functions.

UNIT-II   (20 HOURS)

Negotiable Instrument – Definition, features of Cheque, Bill of Exchange & Promissory Note – Endorsement – Material Alteration – Role of Paying Banker, Collecting Banker – Dishonour of Cheque.

UNIT-III   (15 HOURS)

Deposit Mobilization by Banks – Types of Deposit A/c – Fixed Deposit, Savings Bank A/c, Recurring Deposit, Current A/c – Opening of Current & Savings A/c – Operating Bank A/c – Pay-in-slip book, Cheque Book, Pass Book – Closing of A/c – Attractive Savings Schemes – Deposit Schemes for NRI, Foreign Currency Notes, Letter of Credit, Letter of Guarantee.

UNIT-IV   (20 HOURS)

Lending Operations of Banks – Principles of sound lending – Styles of Credit – Cash Credit, Overdraft, Loan System, Purchasing & Discounting of Bills.

UNIT-V   (20 HOURS)

Banking Computerization – Core Banking, Home Banking, Internet Banking, Tele Banking – ATM Card cum Debit Card, Smart Card, Credit Card, Petro card, Electronic Fund Transfer, Electronic Clearing System, and Debit & Credit Clearing System.

REFERENCE BOOKS:

1. Banking Law Theory and Practice – Sundaram and Varshney – Sultan Chand Co.

2. Banking and Financial Systems – B. Santhanam (Margham Publishers)

3. Banking Law Theory and Practice – S.N. Maheswari – Kalyani Publications.

4. Indian Banking – Parameswaran – S. Chand and Co.

5. Banking Law Theory and Practice – Tanon

6. Banking Law Theory and Practice – Sherlaker & Sherlaker

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks
			75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

-         Assignment(individual)   5 marks
-         Seminars/quiz/GD   5 marks
-         Attendance   5 marks

                                                       25 marks

                                                       100 Marks

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI-44

DEPARTMENT OF B.Sc(Information System and Management)
SYLLABUS
III YEAR-MAJOR –XVII
SEMESTER-VI
BUSINESS MATHS
(Common for Bsc (ISM) VI sem and for BBA IV Sem)

UNIT – I   (10 HOURS)

Sets – Theories Of Sets – Set Operations – Relations & Functions Of Sets

UNIT – II (25 HOURS)

Co-Ordinate Geometry – Slope Intercept – Forms Of Equations of Straight Lines

UNIT – III   (15 HOURS)

Matrices – Inversion Of A 3rd Order Square Matrix

UNIT – IV   (25 HOURS)

Calculus: Differentiation – Variours Derivatives – Function Of A Function Rule – Maxima & Minima – Logarthimic Differentiation – Point Of Inflexion – Simple Application

Integration: Definite & Indefinite Integration – (Except Trignometric Functions) – Integration By Substitution & By Parts – Simple Applications

UNIT – V (15 HOURS)

Simple Interest – Compound Interest – Discount On Bills & Present Value

REFERENCE BOOKS:

Business Mathematics & Statistics – P.R. Vittal

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks

75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

-                Assignment(individual)   5 marks
-                Seminars/quiz/GD   5 marks
-                Attendance   5 marks

25 marks

100 Marks

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS) CHENNAI-44

DEPARTMENT OF B.Sc (Information system and Management)

SEMESTER-VI
SOFTWARE PROJECT MANAGEMENT - MAJOR XVIII

UNIT I   (25 HOURS)

Introduction – Defining of Software Development Process – Process – Tailoring the Process – Improving the process discipline – Need for implementing discipline.
Software Production Process – Identify the Software Model – Software Process Models : Waterfall Model, Prototyping Model, RAD Model, Incremental Model, Spiral Model, Component Assembly Model – Software Life Cycle.

UNIT II   (15 HOURS)

Software Development Team – Three Vital Aspects of Software Project Management – The Team - Meaning of Leadership – Communicating in Harmony - Personality traits – Project Organizations.
Project Planning : Top-Down and Bottom-Up Planning – Types of Activity – Project Duration : Schedule Monitoring Tools – Gantt Chart, PERT Chart, Critical Path.

UNIT III   (15 HOURS)

Project Review : Tracking Meetings – Recovery plans – Schedule Work & Escalation Meetings.
Project Engineering: Product Requirements – Understanding the Customer Problem to solve – Initial Investigation, Strategies for determining information requirements, Information gathering Tools – Product Objectives

UNIT IV   (15 HOURS)

Problem Solving : Product Specifications – Defining the Final Product – Data Flow Diagram, Data Dictionary, Structured English, Decision Trees, Decision Tables – Feasibility Study
Software Testing : Test Plan – Development Testing : Verification and Validation – General Testing Methods : White Box and Black Box Testing – Unit Testing – System Integration Testing - Validation Testing – System testing

UNIT V   (20 HOURS)

   Software Quality : Software Quality – Quality Measures – FURPS - Software Quality Assurance – Software Reviews - Format Technical Review (FTR)
   Formal Approaches to SQA – Software Reliability – Introduction to SQA – The Software Quality Assurance Plan – Formal approaches to SQA – Cleanroom Methodology.

REFERENCE BOOKS:

1. Neil Whitten – Managing Software development projects for success – John Wiley and sons
2. Roger S Pressman – Software Engineering – McGraw Hill
3. Watts Humphrey – Managing Software Process – Addison Wealey

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks

                        75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

-        Assignment(individual)   5 marks
-        Seminars/quiz/GD   5 marks
-        Attendance   5 marks

                   25 marks

                   100 Marks

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS) CHENNAI-44

DEPARTMENT OF B.Sc(Information system and Management)
SYLLABUS
SEMESTER-VI
E-BUSINESS – Core Elective-II

UNIT-I **(10 HOURS)**

Introduction to electronic business-meaning-value chains- the Internet and the web-infrastructure for e-business.

UNIT-II **(15 HOURS)**

Electronic commerce software- basic functions of electronic commerce software-advanced functions of e-commerce software-electronic commerce software for small and midsized companies-e-commerce software for medium sized to large business-e-commerce software for large business**.**

UNIT-III **(25 HOURS)**

Security threats to e-business-Implementing security for e-commerce and electronic payment systems.

UNIT-IV **(25 HOURS)**

Strategies for marketing-business-to-business-web auction virtual-web portals.

UNIT-V **(15 HOURS)**

The environment of e-business-international-legal-ethical-tax issues-business plan for implementing e-business.

REFERENCE BOOKS

Gary P. Schneider – Electronic Commerce, Fourth edition.

Kosivr.David –Understanding E-commerce.

QUESTION PAPER PATTERN

END OF SEMESTER EXAMINATION

Section A	10 out of 12 questions	2 marks each	20 marks
Section B	5 out of 7 questions	5 marks each	25 marks
Section C	2 out of 4 questions	15 marks each	30 marks

75 marks

INTERNAL ASSESSMENT

- Test Marks
  - 3 hour test   5 marks
  - Continuous Assessment test   2 ½ marks
  - Continuous Assessment test   2 ½ marks

-      Assignment(individual)   5 marks
-      Seminars/quiz/GD   5 marks
-      Attendance   5 marks

25 marks

100 Marks

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS)
CHENNAI – 600 044

DEPARMENT OF B.Sc (Information System and Management)
SYLLABUS
III YEAR –SEMESTER VI
MAJOR PRACTICAL-XIX
TALLY AND SPSS
(Lab based Practical paper)

Computerized Accounting-Tally Accounting Software

SPSS - Statistical Package for Social Sciences

Question Paper Pattern

Record Work   -25 Marks

Practical Examination   -75 Marks

S.D.N.B. VAISHNAV COLLEGE FOR WOMEN (AUTONOMOUS) CHENNAI-44

DEPARTMENT OF B.Sc(Information System and Management)
SYLLABUS
III YEAR –Core Elective - III
SEMESTER-VI

GROUP PROJECT
(Common to BSc (Ism) and B.B.A.)

The Project Report shall carry 75marks for Record and Viva Voce for 25marks.

Project will be evaluated externally. A group of 3 students will be assigned a project in beginning of the Final year.

Areas to be covered are:

- **Finance**

    i)Banking

    ii)Financial services

- **Marketing**
- **Human Resource Management**
- **Production and Materials Management**