

IV Semester

INTRODUCTION TO VISUAL PROGRAMMING

UNIT I

Introduction - Starting and Exiting Visual Basic - using project Explorer - working with Forms - Using Toolbox - - Working with projects-Printing objects - Building &Running Applications.

Adding code & Using events -Using code window-using, Naming conventions -Using variable-Scope-Subroutines & Functions.

UNIT-2

Using Intrinsic visual Basic controls - Label & textbox controls-Using Command button control-Using Frame ,Checkbox, option button controls-List Box and combo Box controls-formatting controls-Using control arrays-using tab order.

Working with strings - Using strings, Converting strings ,Concatenating stings, Formatting strings , Manipulating strings, comparing strings.

UNIT-3

Working with numbers - Using Numeric values-Using numeric operators-Math functions-Random numbers.

Using control statements-If & IIF - select case -Do-For -Exit statements.

UNIT-4

Using dialogue boxes - MsgBox - input box-Common dialogue control-Open&Save as dialog boxes- Color Dialog box -Font Dialog box-print dialog box-show help method.

Using menus - Creating menus-adding code to menu -creating shortcut menu-using picture box-rich text box.

UNIT-5

Using files and databases-Opening closing and deleting files-reading and writing files.

Building your own active x controls - First step-Testing the control-polishing the presentation of your control -Adding the functionality.

BOOKS FOR STUDY:

1. Scott warner-Teach yourself Vb 6-Tata Mc Graw hill, New delhi,1999
Chapters:1-8, 10.1, 10.2
2. Gray cornell -Visual basic 6 from the ground up-TMH, New Delhi, 1999
Chapters 6(Page 206-214) chapters 232 (pages 843-854)

BOOK FOR REFERENCE:

Mastering Visual basic 6 - Evangel Pertoutsos - BPB publishers.

VISUAL PROGRAMMING - LAB

1. Arithmetic calculator
2. Design a clock
3. Menu Creation – with simple file and edit options
4. Designing a color mixer using basic colours
5. Picture Animation
6. Rocket Launching
7. Create a file open dialogue box to load a picture
8. Font control dialogue box
9. Screen saver
10. Implementing String function
11. Preparation of interest table using Flex grid control
12. Prepare pay slip using data control
13. Prepare Electricity bill data control
14. Prepare Mark sheet using data control
15. Student Admission using DAO
16. Hotel Management using DAO

BANKING THEORY LAW AND PRACTICE

UNIT I

Introduction - Origin of banking - Definition - Banker and customer relationship - General and special - Types of deposits - Origin and growth of Commercial Banks in India - Reserve Bank of India and its functions.

UNIT II

Cheques - Crossing - Endorsement - Meaning - Definition - Types - Rules.

UNIT III

Paying Banker - Duties - Statutory protection - payment - in due - course.

Collecting Banker - Duties - Statutory protection - holder - in due - course - Concept of negligence.

UNIT IV

Bank lending - principles of sound lending - Secured Vs Unsecured advances - Types of advances - Advances against various securities (Land & Building, Life Insurance policy, Stock exchange securities).

UNIT V

E-Banking - Meaning - Benefits - Internet Banking - Home Banking - Mobile Banking - Virtual Banking - E-payments - ATM card / Biometric Card, Debit/Credit/ Smart card, EFT, ECS (credit/Debit) - E.money - Electronic purse, Digital cash.

BOOKS FOR STUDY:

1. Banking theory, Law and Practice - Sundaram & Varshney
2. Banking theory, Law and Practice - Gorden and Natarajan
3. Banking theory, Law and Practice - P.N.Varshney
4. Banking theory, Law and Practice - Dr. S. Gurusamy
5. Banking theory, Law and Practice - A.V.Renganadachary & D.S.Rao

BOOKS FOR REFERENCE:

1. A textbook of Banking - M.Radhaswamy
2. Banking in India - Vasant Desai
3. Banking theory and practice - P.K. Srivastava

BUSINESS MATHEMATICS

UNIT I

Elements of set theory - Definition - symbols - Roster method and Rule method - Types of sets - Union & Intersection - Sub sets - Complements - Difference of two sets - Family of sets - Venn diagram - De-Morgan's law.

UNIT II

Indices - Positive - Fractional - Operation with power function - Logarithms - Definition - Exponential forms - Laws of logarithms - change of base - Formula - Common logarithms and natural logarithms - characteristics and mantissa - Rules to write - Practical problems.

UNIT III

Commercial Arithmetic - Interest - Simple - Compound - Normal rate - Effective rate- Depreciation - present value - Discounting of bills - face value of bills - depreciation - banker's gain - normal due date - legal due date - calculation of period for banker's discount and true discount.

UNIT-4

Different Calculus (excluding trigonometric functions) - rules - sum rule - product rule - quotient rule ,functions of a function rule (simple problems only) - Maxima and minima (single variable cases) -Methods of integral calculus -rules (excluding integration by part of fractions)-simple problems only.

UNIT-5

Determinants - properties - product - Matrices - types - addition - Multiplication - matrix Inversion - solving a system of linear equation using matrix inversion - Rank of matrix - testing consistency of equations.

BOOKS FOR STUDY:

1. Business Mathematics – D.C.Sancheti & V.k. Kapoor
2. Business Mathematics – M.Manoharan & C.Elango
3. Business Mathematics-P.R.Vittal
4. Business Mathematics – B.M. Aggrwal
5. Business Mathematics – Kashyap Trivedi

BOOKS FOR REFERENCE:

1. Business Mathematics – V.K.Kapoor
2. Business Mathematics – Jeyaseelan and sundresan
3. Business Mathematics – G.K.Ranganath

FINANCIAL ACCOUNTING - IV

UNIT I

Partnership accounts: Partnership - Definition - Provisions relating to partnership Accounting - Capital and Current Accounts of partners - Fixed and Fluctuating - Appropriation of profits - past adjustments and guarantee

UNIT II

Admission of partner - calculation of new profit sharing ratio - Adjustment of undistributed profits, losses and reserves - Revaluations of Assets and Liabilities - Treatment of Goodwill - Adjustment of capitals of partners after admission of a partner.

UNIT III

Retirement of partner - Transfer of balance due to retired partner - Death of a partner - Treatment of joint life policy - Settlement of amount due to legal representative of deceased partner.

UNIT IV

Amalgamation firms - Sale to a company.

UNIT V

Dissolution of partnership: Accounting treatment - Insolvency of partner - Decision in Garner Vs Murray case - Insolvency of all partners - piecemeal distribution - Proportionate capital method - Maximum loss method.

BOOKS FOR STUDY:

1. Advanced Accountancy - R.L. Gupta and Radhaswamy
2. Advanced Accountancy - S.P. Jain and K.L. Narang
3. Advanced Accountancy - M.A.A. Arunachalam and K.S. Raman
4. Advanced accountancy - S.N. Maheshwari and S.K. Maheshwari
5. Advanced Accountancy - T.S. Reddy and A. Murty

INTERNATIONAL TRADE

UNIT I

International trade – nature and scope – comparative cost theory.

UNIT II

Barriers of international marketing.

UNIT III

Balance of Trade and Balance of payments – disequilibrium in balance of payments – cause and remedies.

UNIT IV

Free trade Vs Protection trade.

UNIT V

Liberalisation Privatisation and Globalisation (LPG), GATT, WTO – Functions – principles – organization structure.

BOOKS FOR STUDY:

1. International Economics – M.C. Vaish and Sudama Singh
2. International Marketing – L.E.Varshney and B.Bhattacharya
3. Money, Banking and International Trade – KPM Sundram
4. International Business – Fransis Cherrunillam