

INTRODUCTION TO COMPUTERS AND ITS APPLICATIONS TO CO-OPERATIVES

UNIT I. Understanding the Computers - Importance - of Computers -History of Computers - Types of Computers - History of Computers - Type of Computers -Computing concepts - input devices - processing unit - out puts devices External storage devices -; Driving the computer; the soft w - Programming Languages - common high level language - program Execution Modes - Interactive computing - Using the Computers.

UNIT II: Problem solving - algorithm - flow charts - branching - looping - the connector - hints for flow charting - writing algorithm and drawing flow charts for the following:

a) Membership Admission Particulars b) Net Profit distribution c) Preparation of Act d) Preparation of Drawal Application e) Finding Arithmetic Mean, Standard Deviation and Co efficient of Correlation.

UNIT III: BASIC Character act - constant and variable - naming the variables - LET, INPUT, READ, DATA and RESTORE statements - arithmetic operators - arithmetic expressions - hierarchy of operations relational expressions - logical operators - print controls - PRINT with comma, semicolon, TAB and PRINT USING.

UNIT IV: Branching - IF - THEN - Looping for - NEXT summing the first natural numbers - summing the squares and cubes - preparing the multiplication table using the idea of branching and looping.

UNIT V: Sequential files in BASIC - Application of the BASIC programming concepts / files for the following problems of cooperative studies.

1. Membership Admission Particulars.
2. Net Profit Distribution.
3. Preparation of ACL
4. Preparation of Drawal Application
5. Finding Arithmetic Mean, Standard Deviation and coefficient of correlation.

Text Books:

Programming in BASIC: Balagurusamy, E. Tata McGraw Hill Publishing Company Ltd., New Delhi (1991)

Chapters: 1, 2, 4, 5, 6, 7.

REFERENCES:

1. Programming with BASIC:: Gottfroed. Schaum's Outline Series. Tata McGraw Hill Publishing Company Singapore (1990)