CORE COURSE IV - PROGRAMMING IN COBOL

UNIT – I

Preliminaries – Division of COBOL – Coding form – structure of COBOL Program – IDENTIFICATION DIVISION – ENVIRONMENTAL DIVISION – CONFIGURATION SECTION – level structure – PICTURE clause – VALUE clause – FILE SECTION – Editing characters – PROCEDURE DIVISON – Structure – Basic verbs – ACCEPT, DISPLAY, MOVE – Arithmetic verbs – COMPUTE verb – Input and Output verbs.

UNIT – II

Sequence control verbs – Conditional verb – Different types of conditions – IF – Nested IF statement – GOTO with DEPENDING clause – ALTER, EXIT statements – Usage clause – SYNCHRONIZED clause – JUSTIFIED clause – REDEFINES clause – RENAMES clause – SIGN clause – Elementary and Group MOVE – MOVE CORESPONDING – ROUNDED – ON SIZE ERROER Option.

UNIT – III

PERFORM VERB – Table handling – OCCURS Clause – Multidimensional Tables – PERFORM TIMES – PERFORM UNTIL – PERFORM VARYING – PERFORM VARYING AFTER – SET – SEARCH verb – Character Handling – EXAMINE verb – INSPECT verb – STRING and UNSTRING verb.

UNIT – IV

File organization – types – Sequential files – File Characteristics – File Description – statements for sequential files – OPEN, CLOSE, WRITE AND REWRITE statements – sequential file with variable length records – I-O-CONTROL paragraph – SORT and MERGE features – Simple MERGE verb – INPUT and OUTPUT procedure in SORT statements – MEMORY SIZE clause.

UNIT – V

Indexed sequential files – FILE-CONTROL paragraph for indexed file – Procedure division statements for index files – File description for relative and index file – DECLARATIVES and FILE STATUS clause – Direct organization – REPORT WRITER – General format of a REPORT – FILE SECTION – REPORT CLAUSE – Report Generation.

Text Book

"COBOL PROGRAMMING" M.K.ROY, D.GHOSE DASTIDAR - Tata McGraw Hill Publishers.

Reference Book:

"Programming with Modern Structured COBOL" – Larry R.Newcomer – McGraw Hill International Editions.