PROGRAMMING IN COBOL

UNIT – I

Preliminaries – Division of COBOL – Coding form – structure of COBOL Program – IDENDIFICATION DIVISION – ENVIRONMENT DIVISION – CONFIGURATION SECTION – level structure – PICTURE clause – VALUE clause – FILE SECTION – Editing characters – PROCEDURE DIVISION – 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 CORRESPONDING – ROUNDED – ON SIZE ERROR Option.

UNIT – III

PERFORM VERB – Table handling – OCCURS Clause – Multidimensional Tables – 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 Statement – 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 Recommended:

"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.