

# Madras University

## M.C.A Programming in Cobol Question paper

Time: Three hours

Maximum: 75 marks

### PART A - [5 x 5 = Marks 25]

Answer ALL questions.

All questions carry equal marks.

1. (a) Briefly bring out the functions of the four divisions of COBOL.

Or

(b) What is the significance of PICTURE clauses? Give examples. 2. (a) Explain the syntax and use of MULTIPLY and DIVIDE verbs.

Or

(b) How are the following verbs used in COBOL : OPEN, CLOSE, READ and WRITE?

3. (a) What are the paragraphs and sections in the ENVIRONMENT DIVISIONS? Show sample entries.

Or

(b) Explain the significance and usage of FIGURATIVE CONSTANTS.

4. (a) Describe the different ways of using PERFORM verb in COBOL.

Or

(b) Discuss sorting of a table.

5. (a) Distinguish between Direct and Sequential Access files

Or

(b) How are Direct Access files opened and data accessed?

**PART B - [5 x 10 =Marks 50]**

Answer any FIVE questions.

All questions carry equal marks.

6. Describe the structure of a COBOL program with the help of an illustrative example. What are COBOL reserved words?

7. Explain the entries in the various possible sections in the Environment and Data Divisions.

8. Discuss the syntax, significance and use of the MOVE verb. Explain editing clauses in COBOL with examples.

9. Write a COBOL program to print a temperature conversion table from 0°C to 100°C in steps of 20°C with appropriate column headings.

10. Write a COBOL program to illustrate the use of conditional and sequence control verbs.

11. How are tables handled in COBOL? Write a COBOL program to create a two dimensional table in a problem of your choice.

12. Discuss the organization and features of a Direct Access file through a sample program.

13. Write notes on the following :

(a) JUSTIFIED and CORRESPONDING options.

(b) String manipulation in COBOL.