

MCA/D-15
PROGRAMMING IN 'C'
PAPER-MCA-14-11

Time Allowed: 3 Hours

Maximum Marks: 80

Note: Attempt Five questions in all, selecting at least one question from each Unit.
Question No. 1 is compulsory. All questions carry equal marks.

Compulsory Question

1. (a) Describe with diagram the body of a "C Program".
(b) Discuss the syntax for declaring the variable and constants.
(c) List and explain the purpose with syntax of at least 5 inbuilt input output functions.
(d) Explain the utility of function in a program.
(e) Explain the utility of pointer type variables with declaration syntax.
(f) Explain the purpose of any 5 predefined string functions.
(g) What is the purpose of structure?
(h) What do you mean preprocessor directives? Explain with example.

UNIT-I

2. Explain the various data types available in "C program".
3. Discuss various operators with their hierarchy level.

UNIT-II

4. Explain various repetitive statements with syntax and example.
5. Write a program to find the multiplication of two matrix of size 3*3.

UNIT-III

6. Write a program to show, how an array is passed to a function.
7. Explain with syntax the purpose and utility of 1, 2 and 3 dimensional array.

UNIT-IV

8. Differentiate between structure and union.
9. Explain the various types of files related function.