

Code No: OR-14/MCA

OR

**MCA-I Semester Supplementary Examinations,
July/Aug 2008.**

C-PROGRAMMING

Time: 3hours

Max. Marks: 60

**Answer any FIVE questions
All questions carry equal marks**

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- 1.a) Describe various data types in C.
b) Describe any four I/O statements of 'C'.
- 2.a) Describe the loops of C and compare them.
b) Write a for loop that generates fibonacci series, and explain your program.
- 3.a) Define a structure and union with your own examples and compare them.
b) Describe any four string library functions.
- 4.a) Describe various ways of passing arguments to a function with their merits and demerits.
b) Describe the use of recursion. Write a recursive program for factorial of a number.
- 5.a) Describe what is meant by passing by reference. Explain with your own example.
b) Describe how to declare a two dimensional array using pointers. And write a for loop to store information and later modification to the declared pointer.
- 6.a) Write a program for sorting of a string.
b) Describe about multidimensional arrays and their relations to pointers.
- 7.a) Write a C program that creates a file that consists of sum hundred random numbers.
b) Write a C program that adds 10 to the above file.
8. Write short notes on the following:
 - a) Register variables
 - b) Break and continue statements
 - c) User defined data types
 - d) Static Allocation.

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