

(Please write your Exam Roll No.)

Exam Roll No.

END TERM EXAMINATION

FIRST SEMESTER [MCA] DECEMBER-2012

Paper Code: MCA 109

Subjects: Principles & Practice of Management

Time: 3 Hours

Maximum Marks: 60

Note: Q. no. 1 which is compulsory. Attempt one question from each unit. Internal choice is indicated

Q1 Attempt the following: -

(2x10=20)

- (a) What are global and local variables?
- (b) What is the difference between array and structure?
- (c) What is thread?
- (d) Define library functions in C?
- (e) When keyword break is used in programming?
- (f) Define conditional inclusion.
- (g) What are system calls?
- (h) Write the syntax to declare array of pointers?
- (i) Explain the purpose of fflush()
- (j) What are logical operators

UNIT -I

Q2 what is function prototyping? Explain how parameters can be passed using reference. What are the scope rules of functions? **(10)**

OR

- (a)** Write a program to print all prime numbers from 1 to 300
- (b)** Discuss order of precedence with the help of an example

UNIT -II

Q3 what do you mean by dynamic memory allocations? Explain malloc (), calloc (), realloc () and free () functions with the help of an example

OR

- (a) Write a program to pick up the largest number from any 5 row by 5 column matrix.

(b) Explain bitwise operators with the help of an example.

(10)

UNIT -III

Q4 what is conditional compilation? Explain #if and #elif directives with the help of an example. Also explain how macros are different from functions.

(10)

OR

(a) Write a program to calculate the square root of a number.

(b) What is type casting? When it is needed and how it can be used while programming.

UNIT -IV

Q5 Explain the fork (), wait () and exit () with example

(10)

OR

(a) Discuss the implementation of thread with the help of an example.
