END TERM EXAMINATION

FIRST SEMESTER [MCA] JANUARY 2011

Paper Code: MCA103	**Subject: Programming in C**
	(Batch: 2010)

Time: 3 Hours   **Maximum Marks: 60**

Note: Q. no. 1 is compulsory. Attempt one question from each unit.

Q1 explain the following questions:-   **(2*10=20)**
  (a) Differentiate between while and d0-while loop statements.
  (b) Explain string functions.
  (c) What is the difference between actual argument and formal arguments?
  (d) Define const pointer with example.
  (e) Discuess enumerated data type.
  (f) Discuess the advantages of using linux with 'C' language.
  (g) Explane formatted I/O.
  (h) Explain perror( ) and Exit( ).
  (i) Describe chmod,chown, chroot.
  (j) Explain the fork() and wait( ).

UNIT-I

Q2 write short note on storage classes in C.   **(10)**

Or

  (a) write a c program to sort an array in descending order.
  (b) Explain multidimensional array with example.

UNIT-II

                                                                                 (10)
Q3
  (a) discuss type casting with example.
  (b) Describe array of pointers.

Or

  (a) explain dynamic memory allocation in 'c' language.
  (b) Write short note on command line input giving example.

UNIT-III

                                                                                 (10)

Q4
  (a) explain c preprocessor directives.
  (b) Discuss linux system calls.

Or
  (a) write the syntax and an example of character I/O and block I/O.
  (b) write a program delete and renaming of a file

UNIT-IV

 Q5 Define Thread. Discuss its implementation with example.
                                                                                 (10)
Or
Explain linux processes in breaf. Discuess the ways of connecting the processes in linux.

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