

MCA DEGREE I SEMESTER EXAMINATION DECEMBER 2013

CAS 2103/2102 PROGRAMMING IN 'C'
(Regular & Supplementary-2008 Revision)

Time: 3 Hours

Maximum Marks: 50

PART A
(Answer *ALL* questions)

(15 × 2 = 30)

- I. Write short notes on
- Floating point constants in C.
 - String constants in C.
 - Enumerated data type in C.
- II.
 - Write on scope rules in C.
 - Mention operator precedence and associability rules in C.
 - Usage of bit wise operators in C.
- III.
 - Define a Macro in C and use it in an example program.
 - Compare call by value and call by reference.
 - What are self-referential structures?
- IV.
 - Write on pointer to function.
 - Write on the usage of command line arguments.
 - Differentiate between pointer to array and array of pointers.
- V.
 - Give and explain miscellaneous functions in C.
 - Write on the file access methods in C.
 - Write on error handling in C.

PART B

(5 × 4 = 20)

- VI. Explain data types in C with modifiers.
OR
- VII. Explain the structure of a C Program.
- VIII. Write a program with clearly mention the difference between break and continue.
OR
- IX. Write an example for the usage of "Extern" and "Register" variables in C.
- X. Write a recursive program to reverse a string.
OR
- XI. Write a C program to create a singly linked list.
- XII. Write a C program which shows the usage of pointer to function.
OR
- XIII. Write a C program which shows the usage of pointer to pointer
- XIV. Write a 'C' program to create a student file, which store details of 'n' students.
(Student Name, Roll No., marks in '3' subjects.)
OR
- XV. Write a C program to read a student file and print the student list in descending order of total marks.
