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Total No. of Printed Pages: 1

Total No. of Questions: [09]

BCA-MCA Dual Degree (Semester 1st)
PROGRAMMING IN C LANGUAGE
Subject Code: BCMC103
Paper ID: [18340104]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a) Write data types available in C.
- b) What do you mean by Function Prototyping? Explain it
- c) List various operators available in C.
- d) Write the syntax of FOR loop.
- e) What are the benefits of arrays?
- f) What is meant by formatted output in C?
- g) Differentiate between constant and variable.
- h) Why we use storage classes in C?
- i) What is Compilation & Execution of Program?
- j) Differentiate between identifier and keyword.

Section – B

(5 marks each)

- Q2. Write the general syntax and working of Switch and goto statement in C Language.
- Q3. What is the use of pointers? Discuss concept of declaration and initialization of pointers.
- Q4. Write a short note on storage classes.
- Q5. Write a C program to find the factorial of a given number using recursion.
- Q6. What is file processing in C++? Write syntax for opening the file using file operations.

Section – C

(10 marks each)

- Q7. Explain Call by Value & Call by Reference using Suitable Example.
- Q8. Differentiate between structure and union. Also explain array of structure.
- Q9. Describe the following
 - a) Macros in C
 - b) Use of Header files