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Total No. of Pages : 02

Total No. of Questions : 07

**B.Sc. (IT) (2015 & Onward)/BCA (2013 & Onward) (Sem.-1)**

**PROGRAMMING IN C**

**Subject Code : BSIT/BSBC-102**

**M.Code : 10044**

**Time : 3 Hrs.**

**Max. Marks : 60**

**INSTRUCTION TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **SIX** questions carrying **TEN** marks each and a student has to attempt any **FOUR** questions.

**SECTION-A**

**Q1. Answer briefly :**

- a. Discuss the need of flowchart.
- b. What is debugging and why is it important?
- c. Write data types available in C.
- d. Define user defined functions.
- e. What are the benefits of arrays?
- f. Distinguish between structure and union.
- g. Discuss the use of nested structure.
- h. Why we use storage classes in C?
- i. What is Recursion?
- j. What is meant by formatted output in C?



### SECTION-B

- Q2. Define expressions List various types of operators also give their precedence.
- Q3. Write the general syntax and working of *Switch* and *goto* statement in C Language.
- Q4. Write a C program to find the factorial of a given number using recursion.
- Q5. What are strings? Explain the syntax to copy one string to another.
- Q6. What is the use of pointers? Discuss concept of declaration and initialization of pointers.
- Q7. What is file processing in C++? Write syntax for opening the file using file operations.

**NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC case against the Student.**