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Total No. of Pages : 02

Total No. of Questions : 07

BCA (2011 & onwards) / B.Sc.(IT)(2015 Batch) (Sem.-1)

PROGRAMMING IN 'C'

Subject Code : BSBC/ BSIT-102

Paper ID : [B1109]

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

1. Write briefly :

- a) List various features of C language.
- b) What is a constant? How it is declared in C language?
- c) Write a program in C language to find the factorial of a given number.
- d) What is break statement? How it is different from continue statement?
- e) What is function? List various categories of a function.
- f) What is nested structure? Explain with example.
- g) What is pointer? How it is declared and accesses in C language?
- h) What is nested if statement? Explain with example.
- i) What is file? What is its need?
- j) What is header file? Discuss its use in C programming.

SECTION-B

2. What is an algorithm? What are its characteristics? Write and explain an algorithm to find greatest number out of three given numbers.
3. Explain the following :
 - a) Looping statements in C language
 - b) Type of Operators in C language
4. What is Storage Class? Explain various storage classes available in C language with their merits and demerits.
5. What is Structure? How it is declared and accessed? Discuss how a structure is different from union.
6. What are different types of file operation in C? Discuss various operations by taking suitable examples.
7. Write short notes on the following :
 - a) Single and Multidimensional arrays
 - b) Preprocessor directives