

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 07

BCA (2011 & onwards) (Sem.-1)
PROGRAMMING IN 'C'
Subject Code : BSBC-102
Paper ID : [B-1109]

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. Answer in 2-5 lines :

- a. Difference between keyword and identifier.
- b. What is C? Why we use C?
- c. Difference between local and global variable?
- d. Difference between Break and Continue?
- e. Difference between while and do-while loop?
- f. Define C tokens.
- g. What are Constants and what are its types?
- h. What is a Pointer?
- i. What are the Conditional Operators? Give example.
- j. What are the formal and actual parameters in functions?

SECTION-B

2. Difference between Call by Value and Call by Reference with example.
3. Explain creating a data file also opening and closing a data file with example.
4. How do you declare a one dimensional array? How do you pass an array as an argument to a function using a Call by Reference method?
5. What do you mean by Flow chart? Give the different symbols used in a flow chart and their use. How does it differ from an algorithm?
6. What are structures and unions? How a structure is created and referenced? Illustrate.
7. Why 'C' language is named so? Discuss its origin and provide the general structure of 'C' language program detailing out every construct in it.