

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

BCA (2011 & onwards)
B.Sc.(IT) (2015 & onwards) (Sem.-1)
PROGRAMMING IN 'C'
Subject Code : BSIT/BSBC-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. What is the significance of `stdio.h`?
- b. Differentiate formatted and unformatted I/O functions.
- c. Write the general structure of a C program.
- d. What are `argc` and `argv`?
- e. What are header files?
- f. Differentiate between `getch()` and `getche()`.
- g. What is array?
- h. Differentiate between structure and union.
- i. Define C Macro.
- j. What are the logical operators in 'C' language?

SECTION-B

2. What are problem solving strategies? Discuss significance of each.
3. Explain creating a data file also opening and closing a data file with example.
4. What do you mean by scope of a variable? What are local and global variables? Give examples.
5. What is a pointer? What are the different operations that can be performed on pointers? What is an array of pointers?
6. What is meant by data-type? What are the data types supported by 'C' language? Illustrate the importance of each.
7. What are the different types of errors that occur in programming?