

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

BCA (2011 & Onward) / B.Sc.(IT) (2015 Batch)

(Sem.-1)

PROGRAMMING IN C

Subject Code : BSBC/BSIT-102

Paper ID : [B1109]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS 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 students have to attempt any FOUR questions.**

SECTION-A

1. Write briefly :

- Draw and name the symbols used in a flow chart.
- Why is the use of *goto* statement discouraged in C programs?
- Declare a 3-dimensional array to store 30 students' names class wise (for 3 classes).
- What is a file handle?
- Write down the syntax of switch statement.
- Explain the statement 'reg int I;'.
- Why are header files used in a C-program?
- What is the drawback of declaring variables as global?
- What is a recursive function?
- Write down the function keys combinations used for editing, compiling, debugging, and executing a C program.

SECTION-B

2. Explain the steps of program development in C-language. (10)
3. Explain the formatted and unformatted statements for I/O in a c-program. (10)
4. Write down a C program to check if a number is present in a given list of numbers. If present give location of the number otherwise insert the number in the list in the beginning. (6,4)
5. Explain the use of 'continue' statement. Write a program to check whether a number is prime or not. Use continue statement. (4,6)
6. You are given a list stored in memory with starting address as 1004. Write a program to print the list of numbers along with their addresses starting from the 3rd number in the list. (10)
7. Explain the following : function definition, declaration, prototype, and function call with the help of C-code? (10)