

Roll No.

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

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

Q1 Answer briefly :

- (a) Define data type.
- (b) List any four keywords.
- (c) What is use of jumping statement?
- (d) What are various input/output statements?
- (e) Define local and global variable.
- (f) What is use of nested structure?
- (g) Write a C language program to swap two given numbers.
- (h) How pointers are initialized?
- (i) Write a C language program to print first 10 even numbers.
- (j) What is function prototyping?

SECTION-B

- Q2 Define Program. Write and explain various steps involved in development of the program.
- Q3 What is operator and expression? Explain various types of operators available in C language.
- Q4 What is Call by value? How it is different from call by reference? Explain with suitable example.
- Q5 Write and explain a C language program to transpose a matrix.
- Q6 Write notes on the following :
- (a) Pointers
 - (b) Processing a data file
- Q7 Differentiate the following :
- (a) Structure and union
 - (b) While and do-while statement.