

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

BCA (2009 to 2010 Batch) (Sem.-1)

**PROGRAMMING IN C**

Subject Code : BC-104

Paper ID : [B0204]

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. Write briefly :**

- a) What is a Flow Chart?
- b) What are the various features of C Language?
- c) What do you mean by Data Type and Keyword?
- d) What is the difference between Prefix and Postfix Operator?
- e) Can we use float variable in Switch Statement.
- f) Define Function.
- g) What do you mean by Local and Global variables?
- h) Discuss the concept of Single Dimensional Array.
- i) How the memory allocated to Structure Elements?
- j) What do you mean by File Pointer?

## SECTION-B

- Q2. What do you mean by Errors? Explain different type of errors with example. (10)
- Q3. Define Operators. Explain its types with the help of example. (10)
- Q4. (a) What is the difference between for and while loop. (5)  
(b) Differentiate between call by value and call by reference. (5)
- Q5. What do you mean by strings? How strings are declared and initialized? Explain. (10)
- Q6. (a) Differentiate between structure and union. (5)  
(b) How memory is allocated to a union? How they are declared and initialized? (5)
- Q7. (a) Discuss the various modes in which file can be opened. (8)  
(b) What is the significance of EOF? (2)