Roll No. | | | | | | | | | | | | **Total No. of Pages : 02**

Total No. of Questions : 07

BCA (Sem.–1st)

PROGRAMMING IN C

Subject Code : BC-104 (2007 to 2010 Batch)

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 students has to attempt any FOUR questions.**

SECTION-A

1. Answer briefly :

a) What are symbolic constants? Explain with example.

b) What are library functions? Explain their use.

c) What is structure? How it is different from Union?

d) What is self referential structure? Give one example.

e) What is ladder if statement? Write its syntax.

f) What are various unformatted input functions?

g) What is an array? How an array is declared in C language?

h) What are advantages of pointers? Explain.

i) What is function prototyping? Explain.

j) What is call by value and call by reference? Explain with example.

SECTION-B

2. What are keywords and identifiers? Also explain various data types available in C Language. Give example to support your answers.

3. Write a note on the following :

   a) Recursion

   b) Storage classes

4. What are different types of operators in C language? Explain with examples. Also describe the concept of operator precedence.

5. What are various control flow statements? Explain various jumping control statements with examples.

6. What is sorting? Write a program in C language to sort an array using bubble sort.

7. What is file? What are its advantages? Explain various file handling with examples.