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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 functions in C language with examples.