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Total No. of Questions : 07

BCA (Sem.–1st)
PROGRAMMING IN C
Subject Code : BSBC-102 (2011 & 2012 Batch)
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 students has to attempt any FOUR questions.

SECTION-A

1. Answer briefly :

   (a) What is compilation? How it is different from execution?

   (b) List various datatypes available in C language.

   (c) What is keyword and identifier? Explain.

   (d) Explain the difference between local and global variable.

   (e) What are various string functions? Explain.

   (f) Discuss how a structure is different from union.

   (g) What is pointer? What are its advantages?

   (h) Write the procedure to open and close a file in C programming.

   (i) What is static storage class? List its characteristics.

   (j) What is macro? What is its need?

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SECTION-B

2. What is flow chart? What are its merits and demerits? Draw and explain the flowchart to find factorial of a given number.

3. Write short notes on the following :

   (a) Program debugging   \

   (b) Formatted input output statements in C language

4. What are various control flow statements? Explain with examples.

5. What is function? What are its advantages? Explain the difference between call by value and call by reference by taking suitable example.

6. Write and explain 'C' language program to transpose a given matrix.

7. Explain the following :

   (a) Array of structures

   (b) Header files