B. C. A. (Sem. I) (CBCS) Examination

March - 2022

Problem Solving Methodlogies & Programming in C : CS-02

(Old Course)

Faculty Code : 003

Subject Code : 003102

Time : **2.30** Hours]   [Total Marks : **70**

Instructions : (1) All Questions carry Equal Marks.

(2) Attempt any five of the following questions.

1   (A) List various categories of UDF. Explain any one with   **14**
          example.
     (B) What is recursion ? Explain with example.

2   (A) Explain array of structure with example.   **14**
     (B) Explain various data types in C Language.

3   Write a C program to check entered string is palindrome or not.   **14**

4   Write a program to print reverses of given number.   **14**

5   Write a program to check entered number is prime or not.   **14**

6   (A) Explain Basic Structure of C Program.   **14**
     (B) Explain Symbolic constant with example.

7   List the looping structure available in C language. Explain any   **14**
     two with syntax and example.

8   Write a program to print following Triangle.   **14**

    1   2   3   4   5

    1   2   3   4

    1   2   3

    1   2

    1

9   (A)   Explain Break and Continue statement with an example.   **14**

    (B)   Draw a flowchart to check whether the number is odd or even.

10 (A)   Explain Strcmp(), gets(), puts() function.   **14**

    (B)   Write a program to accept a string from user and display it in upper case.

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