DB-003-003108 Seat No. _____

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

March - 2022

CS-02 : Problem Solving Methodologies & Programming in C

(Old Course)

Faculty Code : 003

Subject Code : 003108

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

Instructions : (1) All questions carry equal marks.

(2) Attempt any five of the following questions.

1 (a) Write a note on algorithm.   **14**

(b) Write a note on pre-processor and file inclusion.

2 (a) Explain switch case with example.   **14**

(b) Explain nested loop with example.

3 (a) Differentiate call by value and call by reference. **14**

(b) Explain recursion with example.

4 (a) What is pointer ? Discuss pointer notation.   **14**

(b) Explain types of UDF with example.

5 (a) Explain 2-D array with example.   **14**

(b) Explain how to pass entire 1-D array in UDF with example.

6 (a) Explain nested structure with example.   **14**

(b) Explain how to pass structure into UDF with example.

7 Write a program to write and read student roll number and **14**
name into text file.

8 (a) Differentiate : Text V/s Binary mode. **14**

(b) Explain command line argument with example.

9 Explain any two file handling function with syntax and example. **14**

10 (a) Explain logical not operator with example. **14**

(b) Explain any three symbol of flowchart.

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