BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2022 COURSE)
B.C.A. Sem – I : WINTER- 2022
SUBJECT : C PROGRAMMING

Day : Thursday | Time : 02:00 PM-05:00 PM

Date : 15-12-2022 | **W-25953-2022** | Max. Marks : 100

N.B.:

1) Attempt **ANY FIVE** questions from Section-I. Each questions carries 12 marks.
2) Attempt **ANY TWO** questions from Section-II. Each question carries 20 marks.
3) Figures to the right indicate **FULL** marks.
4) Answers to both the sections should be written in **SAME** answer book.
5) Draw a labeled diagram **WHEREVER** necessary.

SECTION-I

Q.1 Explain the features and structure of a 'C' program in detail. **(12)**

Q.2 Explain Built in I/O functions in 'C'. **(12)**

Q.3 Explain the standard string library functions with its example (At least six). **(12)**

Q.4 Explain Looping statements used in C. **(12)**

Q.5 What is pointer? Explain declaration and initialization of a pointer. **(12)**

Q.6 Write short notes on **ANY TWO** of the following: **(12)**

a) Storage classes
b) Union
c) Dynamic Memory Allocation

SECTION-II

Q.7 **a)** Write a C program to convert binary number to decimal number. **(10)**

b) Write a C program to store student data using structure. **(10)**

Q.8 **a)** Write a C program to print multiplication table. **(10)**

b) Write a C program to access Array elements using pointer. **(10)**

Q.9 **a)** Write a C program to find transpose of Matrix. **(10)**

b) Write a C program to sort array elements in ascending order. **(10)**

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