Roll No.												

PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – March 2026

Date: 13–03-2026 **Time:** 09.30am to 11.00am

School: SOCSE	**Program:** B.Tech.,	
Course Code: CSE2200	**Course Name:** Problem solving using C	
Semester: II	**Max Marks**:50	**Weightage**: 25%

CO - Levels	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**
Marks	**14**	**12**	**24**		

Instructions:

(i) Read all questions carefully and answer accordingly.

(ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks. **5Q x 2M=10M**

1	What is #define? Give an example.	**2 Marks**	**L1**	**CO1**
2	Write truth table for logical operator (OR)||	**2 Marks**	**L1**	**CO2**
3	Write the syntax of if else statement**.**	**2 Marks**	**L1**	**CO2**
4	Declare a one dimensional array of size 10 to store float values	**2 Marks**	**L1**	**CO3**
5	List any two string functions.	**2 Marks**	**L1**	**CO3**

Part B

Answer the Questions. **Total Marks 40M**

6.	**a.**	Explain the primitive data types available in C with suitable examples.	**10 Marks**	**L2**	**CO1**
		Or			
7.	**a.**	Describe input and output functions gechar(), putchar(), gets(), puts() with examples.	**10 Marks**	**L2**	**CO1**

8.	**a.**	Illustrate conditional statements nested if-else and if-else ladder in detail with syntax and suitable examples.	**10 Marks**	**L3**	**CO2**
		Or			
9.	**a.**	Demonstrate do- while loop with syntax. Write a C program to print numbers from 1 to 10 using do-while loop**.**	**10 Marks**	**L3**	**CO2**

10.	**a.**	Define an array in C language. Demonstrate one dimensional array in C with suitable examples.	**10 Marks**	**L3**	**CO3**
		Or			
11.	**a.**	Write a C program to sort an array using selection sort.	**10 Marks**	**L3**	**CO3**

12.	**a.**	Define string. Demonstrate the use of string functions strlen(), strcat(), strcmp() and strrev() with syntax.	**10 Marks**	**L2**	**CO3**
		Or			
13.	**a.**	Illustrate linear search to search for an element in an array with C program.	**10 Marks**	**L2**	**CO3**