Roll No.:_____ Enrollment No.:_____

Vadodara Institute of Technology
Diploma- I, Sem-1, Class Test-2

Subject:CPF Subject Code:DI01000131 Date: 10-11-2025
Time: 10:30 to 11:15 am Discipline: CE Total Marks: 20

Instructions:
1. Attempt any two questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Sr.no	Question	Marks
Q1.	(a) Explain the process of declaring and initializing a two-dimensional array in C with a simple example.	04
	(b)Explain one-dimensional and two-dimensional arrays with simple examples (no code). Describe how they are declared and initialized.	06
Q2	(a)What is a pointer? Explain the use of the address-of operator (&) and indirection operator (*) with an example.	04
	(b)What is a pointer? Explain the address-of operator (&) and the indirection operator (*) in simple words. Give one everyday example to show why pointers are useful.	06
Q3	(a)Write the syntax of a user-defined function in C and explain any two simple parts of a function (such as function name or parameters).	04
	(b)Explain what a function is in C. Describe its definition, purpose, and structure in detail. Also give a simple real-life example (not code) to show how functions make problem-solving easier.	06

*****BEST OF LUCK*****

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