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Reg. No.:

Name   :

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TERM END EXAMINATIONS (TEE) – December 2021- January 2022

Programme	:	BTech	Semester	:	Fall 2021-22
Course Name	:	Introduction to problem solving and programming	Course Code	:	CSE1021
Faculty Name	:	M. Suresh	Slot / Class No	:	A11+A12+A13/0092
Time	:	1 ½ hours	Max. Marks	:	50

Answer ALL the Questions

Q. No.		Question Description	Marks

PART - A (30 Marks)

1 (a) Write the algorithm, pseudocode and draw the flowchart to find the sum of all EVEN numbers till 100.   **10**

OR

(b) Write a program for swapping of two numbers and adding of two numbers using function and module.   **10**

2 (a) Define break, continue and pass. Write a program for sum of series $1^3+2^3+\ldots+n^3$ **10**

OR

(b) Write a program to reverse the digit and sum of digit for the given number.   **10**

3 (a) Write a program to find length, reverse, and number of integers for given string without using build in function. (WELcome 2 the Vit Bhopal 4123567s)   **10**

OR

(b) Write a program to create two 1-dimensional array of same size, add all even index and odd index items, and store them in a separate array.   **10**

PART - B (20 Marks)

4   Write the algorithm, pseudocode and draw the flowchart to compute the area of triangle.   **10**

5   Differentiate between list and tuple. Write a program for matrix subtraction.   **10**