

Reg. No.:

Name :



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

<b>Programme</b>	<b>: BTech</b>	<b>Semester</b>	<b>: Fall 2021-22</b>
<b>Course Name</b>	<b>: Introduction to problem solving and programming</b>	<b>Course Code</b>	<b>: CSE1021</b>
<b>Faculty Name</b>	<b>: E Nirmala</b>	<b>Slot / Class No</b>	<b>: B11+B12+B13/0074</b>
<b>Time</b>	<b>: 1 ½ hours</b>	<b>Max. Marks</b>	<b>: 50</b>

**Answer ALL the Questions**

<b>Q. No.</b>	<b>Question Description</b>	<b>Marks</b>
<b>PART - A (30 Marks)</b>		
1	(a) Write the algorithm, pseudocode and draw the flowchart to find the sum of n even numbers.  OR (b) Explain different types of operators in python with example.	10  10
2	(a) Explain Iteration statements with syntax and python code.  OR (b) Write a Program to generate Fibonacci sequence for n numbers and convert Fahrenheit to Celsius.	10  10
3	(a) Write a program for different types of operations performed for tuples.  OR (b) List out the operation performed with arrays with python coding.	10  10

**PART - B (20 Marks)**

4	Write the algorithm, pseudocode and draw the flowchart to find the given number is prime numbers or not.	10
5	Differentiate between list and sets. Write a program for matrix transpose.	10