

Reg. No.:

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

Programme	: B.Tech	Semester	: Fall 2021-22
Course Name	: Introduction to Problem Solving and Programming	Course Code	: CSE1021
Faculty Name	: Dr. Balaji A	Slot / Class No	: A21+A22+A23/0100
Time	: 1 ½ hours	Max. Marks	: 50

Answer ALL the Questions

Q. No.	Question Description	Marks
PART - A (30 Marks)		
1	(a) Write an algorithm for finding the sum of the series 2+4+6+8+10+...100 and iteration method used to solve the problem	10
OR		
	(b) Construct the user defined functions add(), sub(), div(), mult() and call the function from the main program with four different type of argument and parameter passing.	10
2	(a) Explain how the break, continue, pass statement work inside the pre-loop and post-loop in python with suitable examples.	10
OR		
	(b) Write the python program to the generate Prime Numbers upto 23 (2 3 5 7 11 13 17 19 23) and identify the position of '17' in the series.	10
3	(a) Explain the different between the ARRAY and LIST in python using various operation in both with suitable example	10
OR		
	(b) Declare the array a = array.array('i', 10,5,3,3,12,12,12,15,12) and compute the python program to sort array in ascending order and finding the maximum number in a set	10
PART - B (20 Marks)		
4	Explain about the various conditional statements used python with computing a program for grading the student as follows 81-100 → A 61-80 → B 50—60 → C, less than 50 → F	10
5	Explain about the Dictionaries Operations(Accessing, Update, Add element, Membership and methods(Copy, keys, values, pop)	10