

Reg. No.:

Name :



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Mid-Term Examinations – November 2021

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

Answer all the Questions

Q.No.	Sub. Sec.	Question Description	Marks
1		List the three strategies used for developing an algorithm with illustrating the solution for the problem to swap the two numbers without build-in function.	10
2		What is algorithm? Summarise the characteristics of a good algorithm with outline the algorithm for displaying the first n odd numbers	10
3		Why are functions needed and write a python program using function with passing the Argument with Returns to find the sum of first 'n' even numbers	10
4		Compare the Iteration statements FOR and WHILE including pictorial representation	10
5		Develop the coding for the below program using conditional (if, if-else, if-elif-else) commands 1. Find the biggest number among the three numbers and also find the biggest number is odd or even.	10

