

Reg. No.:

Name :



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Mid-Term Examinations – October 2021

Programme	: BTech	Semester	: Fall 2021-22
Course	: Introduction to Problem Solving and Programming	Code	: CSE1021
Faculty	: Meenakshi Choudhary	Slot/ Class No.	: C11+C12+C13/0093
Time	: 1 ½ hours	Max. Marks	: 50

Answer all the Questions

Q.No.	Sub. Sec.	Question Description	Marks
1		What do you understand by the frequency count? How it is used to find the time complexity of an algorithm. Explain by taking a suitable example.	2+8
2	(a)	Describe various asymptotic notations with graphical illustration.	5
	(b)	Analyze the time complexity of the following code. For(i = 1; i <= n; i++) { For(j = 1; j <= n ² ; j++) Print(“ “) }	5
3		Write a program to print following pattern using function in python. *	10
4		Describe various types of function arguments using suitable python code.	10
5		Write a python program to print Fibonacci series using function with required arguments and while loop.	10

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