

TERM END EXAMINATIONS (TEE) – May 2024

Programme	: B.Tech.	Semester	:	Winter 2024-25
Course Title	Introduction to Problem Solving and Programming / CSE1021	Slot	:	B11+B12+B13
Time	: 3 Hrs.	Max. Marks	:	100

Answer ALL the Questions

Q. No.		Question Description	Marks
		PART A – (60 Marks)	10
1	(a)	Prepare an algorithm and flowchart for the below given scenario. The student who wants to take leave during weekends, they need to get the approval from their proctor and submit the same to the Hostel Supervisor to proceed.	. 12
		The proctor will check the total number of outings given to the students should not exceed 2 per month and provide their recommendation only if the above rule is satisfied. If the rule is not satisfied, they will not recommend their leave application.	
		The leave application needs to be accompanied with the parent consent from the Mail / Handwritten Letter / Call to Proctor on Registered Mobile Number.	
		OR	
	(b)	Design the top-down model for online ticket reservation in Buses. You can use your own design for Bus Booking with necessary justification.	12
2/	(a)	Write a python program to find the minimum length of the given three strings?	12
		OR	
	(b)	associativity of the operators.	12
	2	$((10+2)*3 //5) (6^3) & (\sim (3 << 5)) \text{ or not True}$	
3	(b)	Design a Python program to handle append and search operations in a list. The search operation should be performed sequentially, checking each element until a match is found or the end of the list is reached.	12
		OR	
	(b)	Write a Python program to identify the eligible candidates for the entrance examination as per below conditions.	12