Course:	Structured Programming Methodology		Semester:	I	Date:	
Division:		Batch:		SET	K	Name:	
Exam:	OST		Time:		Roll No:	

Q No	Question	Marks
1	Write a program to generate electricity bills for n customers using functions and decision-making. ● Input: Customer name, units consumed ● Apply the following tariff: 　○ First 100 units → ₹5 per unit 　○ Next 100 units → ₹7 per unit 　○ Above 200 units → ₹10 per unit ● If the total bill exceeds ₹2000, add 10% surcharge. ● Display all customer details in a formatted table. Use functions for: ● Calculating bill amount ● Applying surcharge ● Displaying report	15
	OR	
2A	Write a menu driven program using functions to: 1. Calculate the factorial of a number. 2. Check if the number is a Strong Number (sum of factorials of digits = number itself). Example: 145 → 1! + 4! + 5! = 145 (Strong Number)	8
2B	Write a program to read the weekly sales amounts (in ₹) of a salesperson for 7 days and perform the following: 1. Display all sales amounts entered. 2. Calculate and display the total and average sales. 3. Display the highest sales amount	7