M. Sc. 1st Semester Examination, 2024

ELECTRONICS

(Computational Skill with Python)

(Practical)

PAPER — ELC-195

Full Marks : 50

Time : 3 hours

Answer **all** questions

The figures in the right hand margin indicate marks

Answer any **two** of the following questions : $17\frac{1}{2} \times 2$

1. Write a python program to determine whether the number is palindrome number or not.

2. Write a python program to print all non-prime numbers in an interval.

3. Write a python program to Fibonacci series using recursion.

4. Write a python program to find factorial of a given number using recursion.

5. Write a python program to find smallest element in an array.

6. Write a python program to addition two matrices.

7. Write a python program to liner search of an element.

8. Write a python program to implement Simpson's $\frac{1}{3}$ rule.

9. Write a python program to implement Newton's Forward rule.

10. Write a python program to integrate numeri-
cally using Trapezoidal rule.

Distribution of Marks

Experiment	— 35 Marks
Viva-voce	— 10 Marks
Practical Note Book	— 05 Marks
Total :	— 50 Marks

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