

**M.Sc. 1st Semester Examination, 2023**

**ELECTRONICS**

*( Computational Skill on Python )*

*( Practical )*

**PAPER – ELC-195**

*Full Marks : 50*

*Time : 3 hours*

**Answer all questions**

**A.** Answer any *one* of the following selected by a lucky draw :

1. Write a python program to find factorial of given number using function.

2. Write a python program to determine whether the number is armstrong number or not.
3. Write a python program to print all prime number in an interval.
4. Write a python program to fibonacci series using recursion.
5. Write a python program to find largest element in an array.
6. Write a python program to multiply two matrices.
7. Write a python program to check if a string is palindrome or not.
8. Write a python program to binary search using recursion.

9. Write a python program to implement Newton's Forward Interpolation formula.
10. Write a python program to integrate numerically using Trapezoidal Rule.

### **Distribution of Marks**

---

Program	: 15 Marks
Execution	: 20 Marks
Viva voce	: 10 Marks
Laboratory Note Book	: 05 Marks
<hr/>	
Total	: 50 Marks

---