

2025

M.Sc. 1st Semester Examination

ELECTRONICS

Paper : ELCC406X9

(Python)

(Practical)

Full Marks : 25

Time : Two Hours

Answer any *one* question by a lucky draw :

1×15=15

1. Write a Python program to find factorial of a given number.
2. Write a Python program to determine whether the given number is Armstrong or not.
3. Write a Python program to print all prime numbers in an interval.

(2)

4. Write a Python program to print fibonacci series up to a given range.
5. Write a Python program to find the 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 find an element using binary search.
9. Write a Python program to implement Newton's Forward Rule.

10. Write a Python program to integrate numerically using Trapezoidal Rule.
11. Write a program to write some Student data (Roll, Name, Marks) to a file and read the data to display.
12. Write a Python program to perform basic list operations : insert, delete, update, membership check.
13. Write a program to compute the word count and character frequency in a given sentence.
14. Write a Python program to traverse a string and count vowels, consonants, digits, and special characters.

(4)

Marks Distribution

Experiment	:	15
Laboratory Notebook	:	05
Viva-voce	:	<u>05</u>
		25 Marks
