Department of Computer Science and Engineering,
Anna University, Chennai– 600025
CS23C04 – Programming in C (R 2023)
Practical
June – November 2025
Year/Sem/Batch : I/I/ Q

| Week 1 | Exploring Unix Commands and Basic C Programs | 13 – Aug– 2025 |

Observation (5 Marks)

1. Write down all the Basic Linux/Unix Commands with Examples and Syntax.
2. Write down the syntax of basic VI Commands.

Execution (15 Marks)

3. Write a C program to perform the following

   a. Print "Hello World"

   b. Temperature Converter – Convert Celsius to Fahrenheit and vice versa.

   c. Simple Calculator – Perform addition, subtraction, multiplication, and division.

   d. Odd or Even Checker – Determine if a given number is odd or even.

   e. Area of three different shapes.

   f. Average of three numbers.

   g. Swap two numbers (with and without using a temporary/ third variable)

   h. Convert (i) Hours to Minutes and Seconds (ii) Days to Weeks and Days (iii) Rupees to Paise

   i. Currency Conversion.

   j. Calculate the following (i) Body Mass Index (BMI) (ii) Speed (iii) Distance (iv) Time