Mock Test-01: Mid-Term: Examination 2024-25

BCA – I Semester

Subject Code: BCA107

C Programming

[Time: 02:00 Hrs]

[Maximum Marks: 25]

NOTE: Attempt all three sections.

SECTION – 'A'

Attempt both questions from Section "A": (2/3 Marks each)

Q.1. Answer the following:

(2 Marks)

    (I)   How do you declare an integer variable in C?

Q.2. Answer the following:

(3 Marks)

    (I)   What are the different types of operators in C? Explain each with an example.

SECTION – 'B'

Attempt any two questions from Section "B": (4 Marks each)

Q.3. Write a C program to calculate the factorial of a given number using a loop.

Q.4. Write a C program that takes the radius of a circle as input and calculates its area and circumference.

Q.5. Write a C program to check if a given number is a Even or odd number.

SECTION – 'C'

Attempt any two questions from Section "C": (6 Marks each)

Q.6. What are switch case in C? Explain with an example how to make a similar calculator of given two numbers.

Q.7. Explain the differences between for, while, and do-while loops in C.

Q.8. What is a printf and scanf function in C? Write a program that demonstrates the use of this function.