Exam - 2 [GIM- CODING - C LANGUAGE]

Topics: Loops and Patterns
Total Marks: 30
Duration: 1.5 Hours

Q1: Loop - Sum of Digits (10 Marks)

Write a C program that takes a positive integer as input from the user and calculates the sum of its digits using a loop.

INPUT :
Enter a number: 12345

OUTPUT :
Sum of digits: 15

Q2: Pattern - Right-Angled Triangle (10 Marks)

Write a C program to print a right-angled triangle pattern based on the number of rows entered by the user.

INPUT :
Enter the number of rows: 5

OUTPUT :
5
5 4
5 4 3
5 4 3 2
5 4 3 2 1

Q3: Pattern - Inverted Pyramid (10 Marks)

Write a C program to print an inverted pyramid pattern based on the number of rows entered by the user.

INPUT :
Enter the number of rows: 5

OUTPUT :
5 4 3 2 1
5 4 3 2
5 4 3
5 4
5