Online Examination
Topic: Arithmetic Operations and Conditional Statements
Section C2
Full Marks: 20   **Time: 40 minutes**

Problem 1: Write a C program that will take two integer inputs from a user. Then, it will swap the values of the variables and print the values. **[Marks: 10]**

Constraint: You can take only two integer variables for the whole program.

[Swapping values means interchanging values. For example, if your two variables num1 and num2 contain the values 5 and 7 respectively, then after swapping variable num1 will contain the value 7 and num2 will contain the value 5.]

Sample input	Corresponding Output
5 7	7 5
10 -4	-4 10

Problem 2: Write a C program that will take an integer number (the number will be non-negative and less than 1000) as input and print the digits of the number. **[Marks: 10]**

Constraint: You have to solve the problem using the topics that you have learnt in the theory class/sessional class.

Sample input	Corresponding Output
105	1 0 5
75	7 5
5	5