

**Arab Academy for Science, Technology and
Maritime Transport-College of Computing &
Information Technology - Sheraton branch**

Course : Problem Solving and
Programming

Examiner : Dr. Shereen A. Hussien

Name :

Class :



Academic Year : 2023/2024

Semester : Second

Department : Computer Science

Time Allowed : 50 Minutes

Model B

Draw a Structure Chart and a write C program as a solution for the following problem:

Having a series of lowercase characters ended with (Z), write a program that gets the largest and smallest character in this series

a) Using while loop.

b) Using for loop.

Example: for an input of u, c, r, y, b, 0, the output will be: Largest character = y, Smallest character = b.

Your output must be a FILE "output.txt" and you must use at least one FUNCTION.