United International University

Department of Computer Science and Engineering (CSE)

Course: CSE 1110 Introduction To Computer Systems

Trimester: Summer 2024 **Section:**

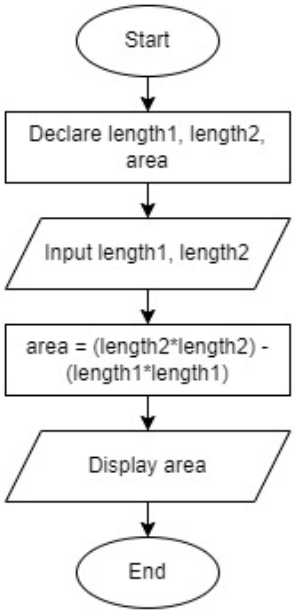
Class Test 2

Set B

Name: **ID:**

The following questions will be considered as Class Test 2. Figures on the right-hand margin indicate the marks for each question. Answer all questions.

SL	Problem Statement	Marks
1.	In order to convert the source code to machine code, the _____ button is to be clicked in Codeblocks. Fill in the black space with an appropriate answer. Can you expect an output from your written code without clicking said button first? Justify your answer.	0.5+1
2.	Consider the following code segment. Write the output for the print statement. Justify your answer. *int x = 4;* *int y = 18;* *x = 14;* *int sum = x - y;* *sum = y;* *y = 10;* ***printf("%d", sum);*** *sum = x + y;*	0.5 + 1

3.	Consider the following code segment. Write the output for all four print statements. *int num1 = 78, num2 = 64;* ***printf("%d", num1);*** *num1 = 72;* ***printf("num2");*** *num1 = 76;* ***printf("%d", num2);*** *num1 = 54;* *num2 = 62;* ***printf("%d", num1);***	2
4.	**Declare** the following variables named "page_no" of integer type, "average" of float type, and "bookmark" of character type. **Assign** 104 to page_no, 16.52 to average and Q to bookmark. Mention the **format specifiers** for each type of data used within your answer.	2
5.	Consider the following flowchart. Convert it into a C program by writing the appropriate code.  	3