

American International University- Bangladesh (AIUB) Faculty of Engineering

Course Name: Microprocessor and Embedded Systems Course Code: EEE 4103

Semester: Fall 2022-23 Term: Mid

Total Marks: 20 Submission Date: 30-10-2022

Faculty Name: Md. Ali Noor Assignment: 02

Course Outcome Mapping with Questions

Item	COs	POIs	K	P	A	Marks	Obtained Marks
Q1	CO3	P.c.1.C4	K5	P1, P2, P7		5	
Q2	CO3	P.c.1.C4	K5	P1, P2, P7		5	
Q3	CO3	P.c.1.C4	K5	P1, P2, P7		5	
Q4	CO3	P.c.1.C4	K5	P1, P2, P7		5	
					Total:	20	

Student Information:

Student Name: Asif Sharif Akash

Student ID:

20-42647-1

Section: K Department: CSE

Marking Rubrics (to be filled by Faculty):

	Excellent [5]	Proficient [4]	Good [3]	Acceptable [2]	Unacceptable [1]	No Response [0]	
Problem #	Detailed unique response explaining the concept properly and the answer is correct with all works clearly shown.	Response with no apparent errors and the answer is correct, but the explanation is not adequate/unique.	The response shows an understanding of the problem, but the final answer may not be correct	The partial problem is solved; the response indicates part of the problem was not understood clearly.	Unable to clarify the understanding of the problem and method of the problem solving was not correct	No Response/(Copie d/identical submissions will be graded as 0 for all parties concerned)	Secured Marks
1							
2							
3							
4							
Comments						Total marks (20)	

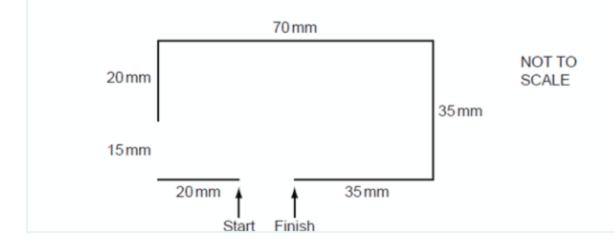
Place the right choice in the following table:

Q1	Q2	Q3	Q4
C	В	A	F

Problem Statement

A floor turtle can use the following instructions:

INSTRUCTION	MEANING
FORWARD n	Move n mm forward
BACKWARD n	Move n mm backward
LEFT t	Turn left t degrees
RIGHT t	Turn right t degrees
PENUP	Lift the pen
PENDOWN	Lower the pen
REPEAT n	Repeat the following instructions n times
END REPEAT	Finish the REPEAT loop



List Of Instructions:

- A. PENDOWN
- B. FORWARD 15
- C. PENUP
- D. REPEAT 2
- E. END REPEAT
- F. FORWARD 70

Complete the set of instructions to draw this shape by filling in the blank lines. You will need to use a REPEAT loop after the turtle has moved the 70 mm.

PEN DOWN	FORWARD 20
LEFT 90	RIGHT 90
FORWARD 20	Instruction 10
RIGHT 90	Instruction11
Instruction 5	RIGHT 90
Instruction,6	FORWARD 35
Instruction 7	Instruction 14

- Q1. Select Instruction 5 from the list of given instructions
 - ➢ PENUP
- Q2. Select Instruction 6 from the list of given instructions
 - > FORWARD 15
- Q3. Select Instruction 7 from the list of given instructions
 - > PENDOWN
- Q4. Select Instruction 10 from the list of given instructions
 - > FORWARD 70