Term: II

Session: 2023-24 Marks 20



Name	: _		 		
Date:					_

1 ۱	Choose	tho	correct	answer.
L	Cnoose	tne	correct	answer.

[5]

	my blocks	Sub-routine	debugging	Indefinite	errors	
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- 1. A <u>sub-routine</u> is a subset of code within a program.
- 2. <u>Indefinite</u> loops where instructions repeat without stopping.
- 3. We can test different parts of the program systematically to identify and debug errors.
- 4. Fixing an error is called debugging.
- 5. Sub-routine blocks can be created from my blocks in the palette.

2) Explain what the algorithms are about.

[4]

Step	Instruction
0	Start program when space key is pressed
2	Say "Oh yeah!"
3	Run "Jump" sub-routine
4	Play pop sound

Step	Instruction
0	Start "Jump" sub-routine
2	Change y position by 50
3	Wait for 0.2 seconds
4	Change y position by –50

Students will explain in their own words			

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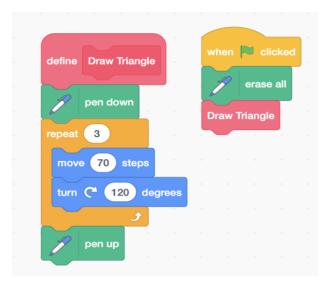
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3) Write an algorithm for the given scratch 3 program.

[6]



Sub-routine "Draw Triangle"

Steps	Instruction
1	Define draw triangle
2	Pen down
3	Move 70 steps
4	Turn right 120 degrees
5	Repeat step 3 and 4 three times
6	Pen up

To draw Triangle Shape

Steps	Instruction
1	When green flag is clicked
2	Erase all
3	Run subroutine draw triangle

4) State whether t	he statements	are true	or false.
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- 2. There are 3 types of definite (repeat) loops. False
- 3. Sub-routine block can be created from the variable palette. False
- 4. Sub-routine makes it easier to code, test and debug. ______True_____
- Definite (repeat) loops where instructions repeat a number of times before stopping. _____True_____