ICI School, Bhosari

PERIODIC TEST :- 2 (2025-26)

Subject :- Ai & Robotics

Name	e:		Roll.no :		
Std :- VII , Div :			Marks Obtained :		
Date	:		Total Marks	:- 25	
	Marks Obtained	:	Supervisor Sign with date:		
	Total Marks:	25	Subject Teacher's Sign:		
Q1. Ti	ck the Correct Answ	wer (5 Marks)			
1.	A motor or an LED, which performs a physical action, is an example of an: ☐ Sensor ☐ Actuator ☐ Input				
2.	An LDR sensor works because its changes with light intensity. □ Color □ Electrical resistance □ Speed				
3.	A variable like count that can be accessed throughout the program is called a: ☐ Conditional Statement ☐ Global variable ☐ Port				
4.	The process of increasing a variable's value by one is known as: ☐ Decrementing ☐ Evaluating ☐ Incrementing				
5.	Making a robot tur ☐ Differential dr ☐ Event-driven p ☐ Boolean Login	ive programming	left and right motor speeds di	ifferently is called:	

Q2. Fill in the Blanks (5 Marks)	
(Boolean, Ports, Sensor, Conditional, Blueto	pothClient)
3. The "if-then-else" structure used for ro	therboard via specific connection points called bot decision-making is a statement. vireless communication with an Android Device is the
Q3. True or False (5 marks)	
4. To make a robot move straight, both m	•
Q4. Match the following (5 Marks)	
1.LDR 2.Actuator 3.Global Variable 4.Conditional Statement 5.BluetoothClient	☐ Stores data accessible by the whole program ☐ A control structure like "if-then-else" ☐ A component that performs a physical action ☐ Enable Wireless communication ☐ A sensor that Measures light level
Q5. Answer in one word (5 Marks)	
(Direction , Analog , Proximity , 255 , Boole	an)
2. What general term describes a sensor t contact?	

[&]quot;The important thing is not to stop questioning. Curiosity has its own reason for existing." – Albert Einstein