ICI School, Bhosari

PERIODIC TEST :- 2 (2025-26) Subject :- Ai & Robotics

Name : Std :- III Div : Date :-		Roll.no : Marks Obtained : Total Marks :- 25		
Marks Obtained:	Supervisor Sign with date:			
Total Marks: 25	Subject Teacher's Sign:			
Q1. Tick the Correct Answer				
1. Which component detec	ts an obstacle without touching it	?		
□ DC motor□ IR Sensor□ LED				
	2. What kind of motor is used to spin the wheels of the RC car? Servo Motor Pump Motor			
	ed to push water in the Smart Tap	ρ?		
4. To make the RC car turn turns:ClockwiseAnti-clockwiseOff	right, the left wheel turns clockwi	se and the right wheels		
_	ecial sockets to connect compone	nts. These are called:		
Q2. Fill in the Blanks(Light Emit	ting Diode,Infrared,actuators,cl	ockwise,Infrared)		
1. IR stands for	R stands for			
2. LED stands for				
	mitter and ato work			
•	ns, like motors, are called eft and right motors must rotate in			

	1.	The IR sensor in the smart tao detects the presence of a hand.				
	2.	A DC motor and Pump Motor are used for the exact same purpose.				
	3.	The Qbrick is another name for the Motherboard				
	4.	To make the car turn left, both motors must stop working				
	5.	The transmitter in an IR sensor sends out invisible IR rays				
Q4. Match the Following						
a. Qbrick		rick	DC Motor			
b. Senses Obstacles		ses Obstacles	Motherboard			
c. :	Spin	ns Wheels	LED			
d. Moves Water IR Sensor						
e.Gives Light		es Light	Pump Motor			
Q5	. An	swer in One Word (Receiver,RJ,Qbits,	True/ON,Transmitter)			
	1.	L. What part of the IR sensor sends out a signal?				
		Ans :				
	2.	2. What part of the IR sensor catches the reflected signal?				
	Ans :					
	3.	What type of cable connects the sensor to the motherboard? Ans:				
	4.	I. What is the name for robot's building blocks?				
		Ans :				
	5.	What state is the tap in when the IR se				

Q3. True or False