



SAKAR ENGLISH SCHOOL
Annual Assessment 2025-26
Subject: Coding & Robotics

WORKSHEET FOR CLASS 4 TO 6

Name: _____ **Class:** _____ **Section** _____ **Date:** _____

 **Section A: Multiple Choice Questions (MCQs)**

- BO motor is a type of:
a) AC motor b) DC gear motor c) Servo motor d) Stepper motor
- Which block supplies power to all other blox?
a) Motor Driver Blox b) Lamp Blox
c) Power Blox d) Wire-Tap Blox
- Which block controls the forward and backward movement of motors?
a) Lamp Blox b) Distance Blox c) Motor Driver+ Blox d) Dark Sensor Blox
- The Lamp Blox converts electrical energy into:
a) Heat b) Sound c) Motion d) Light
- Which sensor uses an LDR?
a) IR Blox b) Distance Blox c) Dark Sensor Blox d) Power Blox
- LDR stands for:
a) Light Digital Resistor b) Low Density Resistor
c) Light Dependent Resistor d) Light Direction Resistor
- The Invert Blox works like which logic gate?
a) AND b) OR c) NOT d) XOR
- Distance and IR Blox are mainly used for:
a) Lighting b) Obstacle detection c) Sound detection d) Power supply

 **Section B: True or False**

- A BO motor can have output shafts on both sides. _____
- The IR Blox sends infrared light. _____
- A capacitor stores large amounts of electrical energy. _____
- An open circuit allows electricity to flow. _____
- A closed circuit has no breaks in it. _____



Section C: Fill in the Blanks

1. LED stands for _____.
2. A _____ circuit does not allow current to flow.
3. Rubber and plastic are examples of _____.
4. Resistance is measured in _____.
5. In a _____ connection, components are connected side by side.



Section D: Choose the Correct Answer

1. Chandrayaan-3 was launched on:
 - a) 14 July 2022
 - b) 14 July 2023
 - c) 23 August 2023
 - d) 5 November 2013
2. Which part of Chandrayaan-3 moved on the Moon's surface?
 - a) Vikram Lander
 - b) Propulsion Module
 - c) Pragyan Rover
 - d) Orbiter
3. Aditya-L1 studies the:
 - a) Moon
 - b) Mars
 - c) Earth
 - d) Sun
4. Mangalyaan is related to which planet?
 - a) Venus
 - b) Jupiter
 - c) Mars
 - d) Mercury
5. Lights used in homes are connected in:
 - a) Series.
 - b) Parallel
 - c) Mixed.
 - d) Open circuit