



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



**WORKSHEET FOR CLASS 7 TO 10**

**A. Multiple Choice Questions**

1. A BO motor is preferred in robotics because it:  
A. Works only on high voltage                      B. Has no torque  
C. Works on low voltage                              D. Used only in factories
2. The Power Block supplies power to:  
A. Only motors    B. Only sensors  
C. All robot components                              D. Only LEDs
3. Which block controls forward and backward movement of motors?  
A. Lamp Block    B. Power Block  
C. Motor Driver+ Block                              D. Distance Block
4. Which block converts electrical energy into light?  
A. Dark Sensor    B. IR Block    C. Lamp Block    D. Distance Block
5. Distance Block is mainly used to:  
A. Detect sound    B. Measure distance  
C. Control speed    D. Store energy
6. Which component inside Dark Sensor Block detects light?  
A. LED    B. Capacitor    C. LDR                      D. Resistor
7. The Invert Block works like which logic gate?  
A. AND    B. OR                      C. NOT                      D. NAND
8. Wire-Tap Block is used to:  
A. Supply power                      B. Extend connections between blocks  
C. Control motors                      D. Detect light
9. IR sensors are commonly used for:  
A. Temperature sensing                      B. Obstacle detection  
C. Sound detection                              D. Voltage regulation
10. In a black line follower robot, black surface gives:  
A. High IR reflection                      B. No signal  
C. Low IR reflection                              D. Same reflection as white
11. Which part of a robot takes decisions?  
A. Sensor    B. Motor    C. Microcontroller                      D. Battery
12. Chandrayaan-3 successfully landed on the Moon in:  
A. 2019                      B. 2021                      C. 2023                      D. 2024

