Q1 Choose the correct answer:

1. In "Moving ball" project, the block used to move the ball in not specific place is.....
   a) Play sound
   b) Repeat
   c) When  Clicked
   d) Go to random position

2. The main function of Blocks in Scratch is .....
   a) **Controlling program settings**
   b) **Playing sounds**
   c) **Files management**
   d) **Ordering coding instructions**

3. **.....is a part of robot components.**
   a) **softwares**
   b) **motors**
   c) **structure.**
   d) **all of them**

4. **The first thing the sensor do is.....**
   a) **take decision based on the gathered information**
   b) **sending signals to other devices**
   c) **recognize changes in the environment.**
   d) **converting signals to electrical signals**

5. **.....used in instant translation.**
   a) **Expert systems**
   b) **Computer vision**
   c) **deep learning**
   d) **Natural language processing**

Q2 Mark the correct statement with (✔) and the wrong one with (✗):

1. The default location of the sprite on the stage is (80,100) ( )
2. X coordinate represents the horizontal motion of the sprite on the stage. ( )
3. Structure is the main part that carry all components of the robot. ( )
4. Ultrasonic sensors emit low-frequency sound waves an then receive them after they bounce off the body. ( )
5. The super AI (SAI) exists in our daily life. ( )

Q3 Complete from words between brackets:

(Machine Learning - Teachable Machine - Infrared-UV - Events - Sensors -Repeat - Wait)

1. .....check changes in the environment and inputs around the robot.
2. Remote control device uses..... rays to change channel on TV.
3. Choose when  clicked from .....
4. .....is considered a technology that makes artificial intelligence learn from mistakes to improve its performance.
5. The .....block is used to delay executing the next code.

LIVEWORKSHEETS