

### 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 and 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.