



# B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS  
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL



## PERIODIC TEST-II : 2025-26 ARTIFICIAL INTELLIGENCE

Class: VI

Date: 08-11-2025

Admission No. ....

Time : 1 hr.

Max Marks: 25

Roll No. :.....

## MARKING SCHEME

### I. Multiple Choice Questions :

(8 X 1 = 8)

- (1) ..... is your on the go encyclopedia.  
(a) **Amazon Echo** (b) Netflix (c) Amazon prime (d) Amazon go
- (2) AI assistant by Google, which can place human like calls to make appointments is called .....  
(a) Google cardboard (b) Google chrome (c) **Google duplex** (d) Google remnant
- (3) ..... is starting a new college solely with an AI focus.  
(a) **MIT** (b) Delhi University (c) IBM (d) Google
- (4) You can give your home ..... look online in future ready homes.  
(a) **An occupied home** (b) Better (c) Artificial (d) Intelligent
- (5) A home equipped with lighting, heating and electronic devices that can be controlled remotely by smartphone or computer is called a .....  
(a) **Smart home** (b) Intelligent home (c) Sustainable home (d) Sensor home
- (6) Which technology does Bloomberg use to help make quick sense of complex financial reports ?  
(a) **Cyborg technology** (b) Access (c) Excel (d) J2EE
- (7) What is the function of the “when green flag clicked” command block ?  
(a) Points sprite in the specified direction (b) If condition is true, runs the blocks inside  
(c) **Runs the sprite** (d) None of these
- (8) What is the function of the “Move 10 steps” command block ?  
(a) Runs the blocks inside over and over (b) **Move sprite forward**  
(c) Runs script below when specified key is pressed  
(d) None of the above

### II. Write True or False :

(3 X 1 = 3)

- (1) True
- (2) True
- (3) False

### III. Short Answer Type Questions :

(4 X 2 = 8)

- (1) Artificial Intelligence is impacting the future of virtually every industry and every human being. Justify.

**Ans. :** Artificial Intelligence is impacting the future of virtually every industry and every human being. AI has acted as the main driver of emerging technologies like big data, robotics and IoT, and it will continue to act as a technological innovator for the foreseeable future.

Transportation, Manufacturing, Healthcare, Education, Media, Customer Service etc. are sectors at the start of their AI journey. AI is indeed transforming the future of nearly every industry and every aspect of human life.

(2) Give any four examples of the use of Artificial Intelligence in “Smart Homes”.

**Ans. :**

Control everything at your fingertips

Run personalised schedules

Talk to your home or make it talk

Intelligent Security

Talk to your guests from anywhere

Ask almost anything and everything

Smoke and Temperature sensing

(3) Explain block coding.

**Ans. :** Block based coding uses “blocks” of code which can be dragged and dropped onto a work environment and pieced together to make meaningful programs.

(4) Explain any four blocks used in Scratch.

**Ans. :**

**Motion :** These are used to move a sprite back and forth.

**Looks :** Used to change the look of the sprite.

**Sounds :** Tempo or sounds are used to control the sound flow in the program.

**Events :** Events handle trigger calls.

**Controls :** Conditional operators and loops are all in this category.

**Sensing :** It controls how to react whenever the mouse pointer hits the playground.

**Operators :** These are for the control and flow of arithmetic operations in the program.

**Variables :** You can declare the variables in your program using these blocks.

**My Blocks :** You can create your custom blocks from here.

#### **IV. Long Answer Type Questions :**

**(2 X 3 = 6)**

(1) Describe intelligent security.

**Ans. :**

Intelligent security refers to the use of advanced technologies, such as artificial intelligence (AI), machine learning to enhance the protection of digital and physical assets. Get instant alerts on your phone in case your home is hit with fire, flood or any other disaster. Remotely control your locks from anywhere in the world.

Intelligent security represents the next generation of security technologies, leveraging AI and machine learning to enhance threat detection, automate responses, and predict potential risks.

(2) Describe the three major commands in the Events block.

**Ans. :**

- 1. When the green flag is clicked :** The project will begin when the green flag is clicked.
- 2. When the space key is pressed :** The project will begin when the space bar is pressed.
- 3. When sprite 1 is clicked :** sThe project will begin when the sprite is clicked.

\*\*\*\*\* ALL THE BEST \*\*\*\*\*