



**BK BIRLA CENTRE FOR EDUCATION**  
**SARALA BIRLA GROUP OF SCHOOLS**  
**SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL**  
**PERIODIC TEST II (2024-25)**  
**ARTIFICIAL INTELLIGENCE**



**Class: VI**  
**Date: 09-12-2024**  
**Adm No: .....**

**Duration: 1 hr.**  
**Max Marks: 25**  
**Roll No. :**

## MARKING SCHEME

### I. Multiple Choice Questions :

(8 X 1 = 8)

- (1) 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
- (2) 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
- (3) How do you create code in Scratch ?  
(a) **Snap block together** (b) Write code in the editor  
(c) Draw blocks in the editor (d) Copy and paste code
- (4) The cat in Scratch is an example of .....  
(a) Avatar (b) **Sprite** (c) Template (d) Character
- (5) In Scratch which blocks are yellow ?  
(a) Motion (b) Looks (c) **Control** (d) Sensing
- (6) ..... is a malware which gains access to your computer system and demands for ransom.  
(a) Email Spoofing (b) **Ransomware** (c) Phishing (d) Identity Theft
- (7) The short form of malicious software is .....  
(a) **Malware** (b) Malsoft (c) Maliware (d) Malisoft
- (8) ..... is the use of technology to harass, threaten, embarrass or target another person.  
(a) Cyber harassing (b) Cyber targeting (c) Cyberstalking (d) **Cyberbullying**

### II. Write True or False :

(4 X 1 = 4)

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

### III. Short Answer Type Questions :

(4 X 2 = 8)

(1) 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.

(2) Describe any four commands from the Looks Block in Scratch.

**Ans. :**

**Say:** Displays a speech bubble with text for a specified duration.

**Think:** Shows a thought bubble with text.

**Change Costume:** Switches the sprite's appearance to a different costume.

**Show/Hide:** Makes the sprite visible or invisible.

**Change Size:** Adjusts the sprite's size.

**Set Color Effect:** Applies visual effects like color changes to the sprite.

(3) What is a cyber crime ? Explain at least two types of cybercrimes.

**Ans. :**

It can be defined as a crime done by the internet to cause an immeasurable loss to the individual, organization or the government.

Types of Cyber Crimes :

**Cyberbullying :** It is the use of technology to harass, threaten, embarrass or target another person.

**Cyberstalking :**

**Phishing :**

**Identity Theft :** Identity theft is when someone illegally poses as you. It is when someone uses your personal data to impersonate you.

(4) Differentiate between Cyberbullying and cyberstalking.

**Ans. :**

**Cyberbullying and Cyberstalking :** Cyberbullying is the use of technology to harass, threaten, embarrass or target another person. Cyberstalking is a type cybercrime that uses the internet and technology to harass or stalk a person.

**IV. Long Answer Type Questions :**

**(2 X 2.5 = 5)**

(1) Explain any three 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.

(2) Different security measures should be followed to be safe from the dreadful act of cyber crime.

Mention any five security measures.

**Ans. :**

Strong password should be used.

Use antivirus programmes to keep the system free of malware.

Try to avoid opening websites which are not secure.

Don't provide your personal information to any unknown person.

Don't download software or other files from every website.

Continuously update the system

Be vigilant to avoid identity thefts

Maintain privacy settings over social media.

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