



B.K. BIRLA CENTRE FOR EDUCATION

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

ANNUAL EXAMINATION (2025-26)
SUBJECT: INFORMATION TECHNOLOGY

MARKING SCHEME

Class : V A /SET-02

Date : 18-03-2026

Admission No.:

Duration: 2 Hrs.

Max. Marks : 40

Roll No.:

Q.1 Fill in the blanks (Answer any 10) (10 × 1 = 10)

(i) You can make your presentation more creative and eye catching by adding **Graphics** into it.

(ii) When you draw a shape, a **Shape-Format** tab appears in the ribbon.

(iii) A **Faster** CPU is required for quicker processing of large amount of data.

(iv) A **Graphic** is a digital representation of non-text information, such as a drawing, chart or photograph.

(v) **Chatting** allows us to communicate with others in real time.

(vi) **Internal-Modem** is already installed in your computer.

(vii) A variable is a placeholder which holds a **Value**.

(viii) **Sensing** block is used to find the different factors of the project.

(ix) **Decoding** is the process of converting the coded message back to its original form.

(x) **Data** are raw facts and figures which may not have any meaning.

(xi) AIBO is a series of robotic dogs designed by **Sony**.

Q.2 True / False (Answer any 6) (6 × 1 = 6)

(i) You can take the snapshot of the current screen and add it in your slide. → **T**

(ii) The biggest use of animation is for entertainment. → **T**

- (iii) A sound block contains 9 purple coded color blocks. → **T**
- (iv) You cannot delete the default sprite and add a new sprite. → **F**
- (v) Traffic and Road signs is an example of pictogram. → **T**
- (vi) Encoding is also known as Deciphering. → **F**
- (vii) Alan Turing, a computer scientist first coined the term “Artificial Intelligence”. → **F**
(Note: The term AI was coined by John McCarthy.)

Q.3 Tick the correct option

(8 × 1 = 8)

- (i) Textbox is displayed as a **(a) dashed** rectangle.
- (ii) To insert a screenshot, click on **(a) Screen Clipping**.
- (iii) **(a) Image** is a visual representation of something.
- (iv) Type of modem:
(c) Both a and b
- (v) Inserted at bottom of each mail:
(b) Signature
- (vi) Used for sending/receiving data on Internet:
(c) Modem
- (vii) The value of a variable can be:
(c) Both a and b
- (viii) AI agent specialised to play Go:
(c) Alpha Go
- (ix) Educational humanoid robot:
(a) Nao
- (x) In _____ Alan Turing proposed Turing Test:
(a) 1950

Q.4 Short Answer Questions (Answer any 7)

(7 × 2 = 14)

- (i) Method to insert picture from internet:

- Click Insert tab
- Click Online Pictures
- Search the image
- Select and click Insert

(ii) Basic elements of multimedia:

Text, Image, Audio, Video, Animation

(iii) Multimedia in advertising:

- Makes advertisements attractive
- Uses sound and animation
- Grabs attention easily

(iv) Search Engine:

A search engine is a website used to search information on the internet.

Example: Google, Bing, Yahoo.

(v) Internet:

Internet is a global network of computers.

Uses:

- Sending emails
- Searching information

(vi) Steps to add sound in Scratch:

- Click on Sounds tab
- Click Choose a Sound
- Select the sound
- Use Sound block in script

(vii) Variable:

A variable is a container that stores a value.

Variable block is used to create and store values.

(viii) Difference between Data and Information:

- Data: Raw facts and figures
- Information: Processed and meaningful data

(ix) Artificial Intelligence:

AI is the ability of machines to think and learn like humans.

(x) Alan Turing:

Alan Turing was a computer scientist who proposed the Turing Test.

Q.5 Long Answer Questions (Answer any 4)

(4 × 3 = 12)

(i) Screenshot:

A screenshot is an image of the current screen display.

Steps:

- Click Insert tab
- Click Screenshot
- Select Screen Clipping
- Drag and insert into slide

(ii) Hardware requirements for multimedia:

- Fast CPU
- Sufficient RAM
- Sound card
- Speakers
- Graphics card
- CD/DVD drive

(iii) Steps to create an Email account:

- Open Gmail website
- Click Create Account
- Enter name and details
- Create password
- Verify mobile number
- Click Submit

(iv) Use of Sensing block:

It detects touching, sound, mouse pointer, etc.

There are **18 blocks** in Sensing category (Scratch 3.0).

(v) Encoding: Converting message into secret code.

Decoding: Converting code back to original message.

(vi) Uses of AI at home:

- Smart speakers (Alexa, Siri)
- Robot vacuum cleaners
- Smart TV recommendations

(vii) Use of AI in Education:

- Smart learning apps
- Online tutoring
- Personalized learning

**** All the Best !!! ****