



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-01

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) PowerPoint is a presentation software which is used to create **Professional** presentations.
- (ii) A **Shape** is a graphical representation of an object or its external presentation.
- (iii) **Graphics** create an important link between text and images.
- (iv) Using telephone line computer is connected to **ISP**.
- (v) **Internet** is the network of interconnected computers across the world.
- (vi) **Variable** block is used to create a variable and list.
- (vii) **Cat** is the default sprite in a Scratch program.
- (viii) **Sorting** refers to arranging the data in a specific order.
- (ix) When data is processed, it produces the **Information**.
- (x) Turing test was found by **Alan Turing**.
- (xi) **Deep Blue** is a chess-playing computer developed by IBM.

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

- (i) A picture is used to convey your ideas in a poor way. → **F**
- (ii) You can insert a picture from internet only. → **F**

- (iii) CD-ROM drive is required for voice communication. → **F**
- (iv) Internet stands for International Network. → **F**
- (v) CC is used to send E-mail to more than one person. → **T**
- (vi) You can also record your own sound but cannot add in a script. → **F**
- (vii) A pictogram consists of rows and columns. → **F**
- (viii) In Artificial Intelligence, Artificial means natural. → **F**

Q.3 Tick the correct option (8 × 1 = 8)

- (i) A picture can be added in a presentation in
(b) Three ways
- (ii) There are _____ basic elements of multimedia.
(c) Five
- (iii) The most common video format is
(a) MP4 (printed as MP# in paper)
- (iv) Which of the following is global network?
(a) Internet
- (v) The colour code of the Sound block is
(c) Purple
- (vi) _____ is a part of _____ block.
Sound is a part of Sensing block (Correct: Sound – Sensing)
- (vii) _____ is a smart speaker developed by Apple Inc.
(b) Home Pod
- (viii) We have entered the fourth industrial revolution of
(c) AI
- (ix) _____ is an educational humanoid robot.
(a) Nao

Q.4 Short Answer Questions (Answer any 7) (7 × 2 = 14)

(i) Textbox:

A textbox is used to enter text in a slide.

Steps to add text:

- Click on Insert tab

- Click on Text Box
- Draw the box and type text

(ii) **Multimedia:**

Multimedia is the combination of text, image, audio, video and animation.

Basic elements:

Text, Image, Audio, Video, Animation

(iii) Use of multimedia in education:

- Makes learning interesting
- Improves understanding
- Helps in better presentation

(iv) **Internet:**

Internet is a global network of computers.

Uses:

- Sending emails
- Searching information
- Online shopping
- Online classes

(v) Steps to attach a file to mail:

- Click on Compose
- Click on Attach File option
- Select the file
- Click Open and Send

(vi) Steps to add new sprite in Scratch:

- Click on Choose a Sprite
- Select the sprite
- Click OK

(vii) “When Green Flag Clicked” block:

It starts the program when the green flag is clicked.

(viii) Encoding means converting message into secret code.

Decoding means converting secret code back to original message.

(ix) Artificial Intelligence is the ability of machines to think and act like humans.

Turing Test was founded by **Alan Turing**.

(x) Purpose of Turing Test:

To check whether a machine can think like a human.

(xi) Decode:

(a) 3 12 1 19 19 20 5 19 20 → **CLASS TEST**

(b) 19 21 18 16 18 9 19 5 → **SURPRISE**

Q.5 Long Answer Questions (Answer any 4) (4 × 3 = 12)

(i) Purpose of adding picture:

- Makes presentation attractive
- Helps in better understanding

Steps to add picture from computer:

- Click Insert tab
- Click Pictures
- Choose This Device
- Select image
- Click Insert

(ii) Three basic elements of multimedia:

- **Text** – Written information
- **Audio** – Sound and music
- **Video** – Moving pictures

(iii) Three services provided by Internet:

- Email
- Online Shopping
- Video Conferencing

(iv) Use of Sensing block:

It detects touching, sound, distance, etc.

There are **18 blocks** in Sensing block (as per Scratch 3.0 basic level).

(v) Ways to represent information:

- Text
- Pictures
- Charts
- Graphs

(vi) Three educational robots:

- Nao
- Root
- Lego Mindstorms

(vii) Uses of AI at home:

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

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