



B.K. BIRLA CENTRE FOR EDUCATION

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

PERIODIC TEST - 01 (2025-26) INFORMATION TECHNOLOGY MARKING SCHEME

Class: V A

Date: 30-06-2025

Time: 60 Minutes

Max. Marks : 25

Section-A

I. Fill in the blanks with the help of words given below in the bracket. 1x5

(Transistors, Personal Computer, Mini Computer, Pascal's Calculator, Abacus, Windows Hello, Desktop, Trash Can, Icons)

1. _____ was invented by Blaise Pascal. (**Pascal's Calculator**)
2. _____ was used in the second generation computer. (**Transistors**)
3. Microcomputers are also called _____. (**Personal Computer**)
4. _____ provides extra security to your application. (**Windows Hello**)
5. When you open your computer, the first screen that appears is _____. (**Desktop**)

II. Write 'T' for true and 'F' for false statements. 1x2

6. UNIVAC-I was developed in 1951. (T)
7. Windows 10 allows the users to create more than one desk simultaneously. (T)

III. Tick (✓) the correct option. 1x4

8. Which of the following is a mainframe computer ?
(a) C 64 (b) PDP 8 (c) **PDP 10**
9. Which generation of computer used Vacuum tube ?
(a) Second (b) Third (c) **First**
10. Name the feature that display latest updates and information.
(a) Task View (b) **Live Tiles** (c) Search Box
11. Which of the following is present at the right side of the taskbar ?
(a) Start Button (b) Cortana (c) **Notification area**

Section-B

IV. (Short Answer Questions) 2x4

12. Write a brief note on Computer Generations.

Ans: **1st Generation (1940–1956):** Used large machines with vacuum tubes. Very slow and used a lot of electricity.
2nd Generation (1956–1963): Used transistors instead of vacuum tubes. Smaller in size and worked faster.
3rd Generation (1964–1971): Used integrated circuits (ICs). Became more reliable and cheaper.
4th Generation (1971–Present): Used microprocessors (all components in one chip). Computers became smaller, faster, and used in homes and schools.
5th Generation (Present and Beyond): Based on Artificial Intelligence (AI). Can think, learn, and solve problems like humans.

13. Name any two early IT / Computer inventors and write their inventions.

Ans: **Charles Babbage:**

Known as the "Father of the Computer"

Invented the Difference Engine and designed the Analytical Engine

Alan Turing:

Known as the "Father of Artificial Intelligence"

Invented the Turing Machine and helped in breaking secret codes during World War II

Blaise Pascal:

A French mathematician and inventor

Invented the Pascaline, an early mechanical calculator

14. Write some features of Windows 10.

Ans: Start Menu- Easy to use and helps you open apps and files quickly.
Cortana - A voice assistant that can help you search and do tasks. Multiple
Desktops - You can create more than one desktop for different work.
Task View - Lets you see and switch between open apps easily.
Touchscreen Support - Works well on computers with a touchscreen.
Fast and Secure - Starts quickly and keeps your computer safe from viruses.

15. What is an Operating System ? Give at-least three examples.

Ans: An Operating System (OS) is the main software that helps us use the computer. It manages all the parts of the computer and helps us run other programs.
Examples of Operating System: Windows 10 ,Linux ,macOS

Section-C

V. (Long Answer Questions)

3x2

16. Differentiate between Microcomputer and Mainframe computer. Give examples.

Ans: **Microcomputer :**

Small in size, Used by one person at a time

Found in homes, schools, and offices

Example: Desktop, Laptop

Mainframe Computer:

Very big and powerful, Used by many people at the same time, Used in big companies and government offices. Example: IBM Mainframe

17. What is the difference between icons and shortcuts ? Give examples.

Ans: **Icons :**

Small pictures on the desktop,
Show programs, files, or folders,
Example: This PC, Recycle Bin

Shortcuts:

Special icons that quickly open a file, folder, or program, Link to a real file or program stored somewhere else. Example: A shortcut to MS Word on the desktop

***** BEST OF LUCK *****