

UP Board Class 12 Computer Applications 2026 Question Paper with Solutions

Time Allowed :3 Hours

Maximum Marks :100

Total questions :10

General Instructions

Read the following instructions very carefully and strictly follow them:

1. All questions are compulsory.
2. Questions 1–5 are objective type questions.
3. Questions 6–10 are descriptive type questions.
4. Write answers neatly and clearly.
5. Use of unfair means is strictly prohibited.

1. The brain of the computer is called —

- (A) Monitor
- (B) CPU
- (C) Keyboard
- (D) Mouse

Correct Answer: (B) CPU

Solution:

The CPU controls all operations of a computer and performs calculations and logical tasks.

Step 1: Analyze the options.

- Monitor — Output device.
- CPU — Processing unit (brain).
- Keyboard — Input device.
- Mouse — Input device.

Step 2: Conclusion.

Thus CPU is called the brain of the computer.

Final Answer:

| |
|---------|
| (B) CPU |
|---------|

Quick Tip

CPU stands for Central Processing Unit.

2. Which of the following is an input device?

- (A) Printer
- (B) Monitor
- (C) Keyboard
- (D) Speaker

Correct Answer: (C) Keyboard

Solution:

An input device is used to enter data into the computer.

Step 1: Analyze the options.

- Printer — Output device.
- Monitor — Output device.
- Keyboard — Input device.
- Speaker — Output device.

Step 2: Conclusion.

Therefore keyboard is an input device.

Final Answer:

| |
|--------------|
| (C) Keyboard |
|--------------|

Quick Tip

Mouse, keyboard, scanner are input devices.

3. Which memory is volatile in nature?

- (A) ROM
- (B) Hard Disk
- (C) RAM
- (D) DVD

Correct Answer: (C) RAM

Solution:

Volatile memory loses data when power is off.

Step 1: Analyze the options.

- ROM — Non-volatile.
- Hard Disk — Permanent storage.
- RAM — Volatile memory.
- DVD — Optical storage.

Step 2: Conclusion.

Hence RAM is volatile.

Final Answer:

| |
|---------|
| (C) RAM |
|---------|

Quick Tip

RAM stores temporary working data.

4. Which software is used to prepare documents?

- (A) MS Paint

- (B) MS Word
- (C) MS Excel
- (D) PowerPoint

Correct Answer: (B) MS Word

Solution:

MS Word is a word processing software.

Step 1: Analyze the options.

- Paint — Drawing tool.
- Word — Document creation.
- Excel — Spreadsheet.
- PowerPoint — Presentation.

Step 2: Conclusion.

Thus MS Word is correct.

Final Answer:

| |
|-------------|
| (B) MS Word |
|-------------|

Quick Tip

Word processors are used for letters, reports, assignments.

5. The full form of URL is —

- (A) Universal Resource Locator
- (B) Uniform Resource Locator
- (C) Unique Reference Link
- (D) Uniform Reference Location

Correct Answer: (B) Uniform Resource Locator

Solution:

URL is the address of a webpage on the Internet.

Step 1: Analyze the options.

Only option (B) is correct.

Step 2: Conclusion.

Hence URL stands for Uniform Resource Locator.

Final Answer:

(B) Uniform Resource Locator

Quick Tip

Every webpage has a unique URL.

6. Define computer. Write any four characteristics of a computer.

Solution:

A computer is an electronic device that accepts input, processes data according to instructions, stores the results, and produces output. It performs calculations and logical operations at very high speed and accuracy.

The major characteristics of a computer are as follows. First, speed — computers can perform millions of calculations in a fraction of a second. Second, accuracy — results are highly accurate if correct data and instructions are provided. Third, storage capacity — computers can store large amounts of data for future use. Fourth, diligence — unlike humans, computers do not get tired and can work continuously for long periods.

Quick Tip

Computer works on IPO cycle — Input, Process, Output.

7. Explain the difference between hardware and software with examples.

Solution:

Hardware refers to the physical components of a computer that can be seen and touched, such as keyboard, monitor, mouse, CPU, and printer. These devices perform input, processing, storage, and output functions.

Software, on the other hand, consists of programs and instructions that tell the hardware what to do. Software cannot be touched. Examples include operating systems like Windows, application programs like MS Word, and antivirus software.

The main difference is that hardware is the physical part of the computer system, whereas software is the logical part that controls the hardware.

Quick Tip

Hardware needs software to function, and software needs hardware to run.

8. What is the Internet? Write any four uses of the Internet.

Solution:

The Internet is a worldwide network of interconnected computers that allows users to share information, communicate, and access various online services.

The Internet has many uses. It enables communication through email, video calls, and social media. It provides access to information through websites and online databases. It is widely used for online education and research. It also supports e-commerce, allowing people to buy and sell goods and services online.

Quick Tip

Internet connects millions of networks across the world.

9. Explain RAM and ROM. Write two differences between them.

Solution:

RAM (Random Access Memory) is the main memory of a computer used to store data and programs currently in use. It is volatile, meaning the data is lost when power is switched off.

ROM (Read Only Memory) is a permanent memory that stores essential instructions needed to start the computer. It is non-volatile and retains data even when the power is off.

The main differences are that RAM is temporary and volatile, while ROM is permanent and non-volatile. RAM allows both reading and writing of data, whereas ROM generally allows only reading.

Quick Tip

RAM = Temporary memory, ROM = Permanent memory.

10. What is MS Excel? Write any four features of MS Excel.

Solution:

MS Excel is a spreadsheet software developed by Microsoft used for organizing, calculating, and analyzing data in tabular form. It allows users to perform mathematical operations, create charts, and manage large datasets efficiently.

Some important features of MS Excel include formulas and functions for automatic calculations, the ability to create charts and graphs for data visualization, sorting and filtering tools to organize data, and worksheets arranged in rows and columns for easy data entry.

Quick Tip

Excel is widely used for accounting, data analysis, and reporting.