

# 20 questions based on Introduction to Computers along with their answers

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## COMPUTER STUDIES QUESTIONS WITH ANSWERS

### 20 QUESTIONS BASED ON INTRODUCTION TO COMPUTERS ALONG WITH THEIR ANSWERS

- 1. What is the definition of a computer?**  
**Answer:** A computer is an electronic device that accepts data as input, processes it using programs, and produces output or information.
- 2. How does a computer accept data and instructions?**  
**Answer:** A computer automatically accepts data and instructions as input from an input device.
- 3. What is the purpose of programs in a computer?**  
**Answer:** Programs are sets of instructions written in the language of the computer that make the computer perform specific tasks or operations.
- 4. Define data in computer science.**  
**Answer:** Data refers to a collection of raw facts, figures, or instructions that do not have much meaning to the user.
- 5. What is the difference between data and information?**  
**Answer:** Data is unprocessed facts, while information is data that has been processed and organized into a meaningful form for decision-making.
- 6. What are the characteristics or features of a computer?**  
**Answer:** Some characteristics of a computer include speed, accuracy, reliability, consistency, storage capacity, diligence, automation, and versatility.
- 7. How does a computer ensure accuracy in its operations?**  
**Answer:** Computers are designed to be very accurate and have built-in error-detection and correction mechanisms. However, user errors in entering data can lead to inaccurate results (Garbage In, Garbage Out).
- 8. How does a computer store data and instructions?**  
**Answer:** A computer is capable of storing large amounts of data and instructions in its memory for later use or retrieval.
- 9. What is the importance of consistency in computer operations?**  
**Answer:** Consistency means that given the same data and instructions, a computer will produce the same result every time the process is repeated.
- 10. How does automation apply to computers?**  
**Answer:** Computers are automatic devices that can carry out tasks based on pre-defined instructions without human intervention.
- 11. In real life, how are computers used to store and process information?**  
**Answer:** Computers are widely used in offices and homes to store and process different types of information, such as documents, databases, and multimedia files.

12. **What is the unit used to measure the speed of a computer?**

**Answer:** The speed of a computer is typically measured in terms of its processing power or clock speed, usually expressed in megahertz (MHz) or gigahertz (GHz).

13. **Explain the concept of "Garbage In, Garbage Out" (GIGO) in relation to computers.**

**Answer:** GIGO means that if incorrect or flawed data is input into a computer, the output or results produced by the computer will also be incorrect or flawed.

14. **How does a computer ensure the security of stored data?**

**Answer:** Data stored in a computer can be protected from unauthorized access by using passwords or encryption techniques.

15. **What advantage does a computerized system have over a manual system?**

**Answer:** Some advantages of a computerized system over a manual system include increased speed, accuracy, efficiency, storage capacity, and the ability to automate tasks.

16. **Give an example of how computers are used in real-life decision-making.**

**Answer:** Computers are used in financial institutions to analyze large amounts of data and generate reports that aid in decision-making, such as investment strategies or risk assessments.

17. **How does a computer handle errors during its operation?**

**Answer:** Computers have built-in error-checking mechanisms that can detect and correct errors. However, errors made by users in entering data can still lead to incorrect results.

18. **What are the essential characteristics of information?**

**Answer:** Information must be accurate, timely, complete, and relevant to be useful for decision-making.

19. **Why are computers considered versatile?**

**Answer:** Computers can be programmed to perform a wide range of tasks and can be used in various fields, such as business, education, research, entertainment, and communication.

20. **How do computers contribute to increased productivity in the workplace?**

**Answer:** Computers can automate repetitive tasks, process data faster, provide instant access to information, and facilitate communication, leading to improved efficiency and productivity in various industries.

20 multiple-choice questions based on the document Introduction to Computers along with their answers