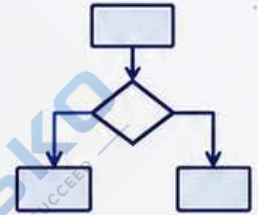


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Question Bank

QUESTION BANK

- Unit-wise Questions
- Short Answer Questions
- Long Answer Questions
- Practice More, Score Better
- Important for Exams

Practice • Understand • Succeed



Fundamentals of Computers

Unit I - Introduction to Computer

● Answers in one or two lines (1 mark questions)

1. Define Computer.
2. What is data?
3. What is information?
4. What are the uses of computers?
5. Who is known as the Father of Computers?
6. Name the first electronic computer.
7. How many generations of computers are there?
8. What is the CPU?
9. What is the function of the Control Unit?
10. What is the function of the ALU?
11. Define block diagram of a computer.
12. Write any two characteristics of a computer.

● Short Answer Questions (3 marks questions)

1. Explain the characteristics of a computer.
2. Describe the history of computers.
3. Explain the applications of computers.
4. Explain the first and second generation computers.
5. Explain the third and fourth generation computers.
6. Differentiate between data and information.
7. Draw the basic block diagram of a computer.
8. Explain the functions of the CPU.
9. Explain the Input-Process-Output cycle.
10. Explain the components of a computer system.
11. Explain the advantages of computers.
12. Write a short note on computer generations.

● Long Answer Questions (6 marks questions)

1. Explain the history and evolution of computers in detail.
2. Explain all generations of computers with suitable examples.
3. Draw and explain the block diagram of a computer.
4. Explain the characteristics and applications of computers.
5. Explain the working of a computer system.
6. Describe the functional units of a computer with a neat diagram.

Unit II - Computer Memories

● Answers in one or two lines (1 mark questions)

1. Define memory.
2. What is primary memory?
3. What is secondary memory?
4. Expand RAM.
5. Expand ROM.
6. Name any two types of RAM.
7. Name any two types of ROM.
8. What is Cache Memory?
9. Which memory is volatile?
10. Which memory is non-volatile?
11. What is the full form of HDD?
12. What is an SSD?
13. What is a Pen Drive?
14. Which storage device uses flash memory?
15. Which memory is directly accessed by the CPU?

● Short Answer Questions (3 marks questions)

1. Explain primary memory.
2. Explain secondary storage devices.
3. Differentiate between RAM and ROM.
4. Explain the different types of RAM.
5. Explain the different types of ROM.
6. Write a short note on Cache Memory.
7. Explain the working of RAM.
8. Compare HDD and SSD.
9. Explain the advantages of SSD over HDD.
10. Describe the features of Pen Drive.
11. Differentiate between primary and secondary memory.
12. Explain volatile and non-volatile memory.
13. Explain the importance of memory in a computer.
14. Write a short note on storage devices.

● Long Answer Questions (6 marks questions)

1. Explain primary memory in detail with suitable examples.
2. Explain RAM and ROM along with their types.
3. Differentiate between primary and secondary memory with a comparison table.
4. Explain Cache Memory and its importance in computer performance.

Unit III - Input/Output Devices

- **Answers in one or two lines (1 mark questions)**

1. Define input device.
2. Define output device.
3. What is a keyboard?
4. What is a mouse?
5. What is a scanner?
6. What is a monitor?
7. Expand VDU.
8. Name any two types of monitors.
9. What is an LCD monitor?
10. What is an LED monitor?
11. Define printer.
12. Name two types of printers.
13. What is an impact printer?
14. What is a non-impact printer?
15. What is a modem?

- **Short Answer Questions (3 marks questions)**

1. Explain input devices.
2. Explain output devices.
3. What is a Keyboard ? Describe the working of a keyboard.
4. What is a Mouse ? Explain the functions of a mouse.
5. What is a Scanner ? Explain the working of a scanner.
6. Differentiate between LCD and LED monitors.
7. Explain VDU and its uses.
8. What is Printer ? Differentiate between impact and non-impact printers.
9. Explain the working of a laser printer.
10. Explain the working of an inkjet printer.

- **Long Answer Questions (6 marks questions)**

1. Explain various input devices with suitable diagrams.
2. Explain various output devices with suitable diagrams.
3. Describe different types of monitors in detail.
4. Explain different input and output devices used in modern computers.
5. Describe different types of monitors in detail.
6. What is Printer ? Explain impact and non-impact printers with examples.

Unit IV - Operating System

● Answers in one or two lines (1 mark questions)

1. Define Operating System.
2. What is booting?
3. What is cold booting?
4. What is warm booting?
5. Define Batch Operating System.
6. Define Multiprogramming.
7. Define Time Sharing Operating System.
8. What is a Real-Time Operating System?
9. What is a Distributed Operating System?
10. Name any two operating systems.
11. What is process management?
12. What is memory management?
13. What is file management?
14. Write one function of an operating system.

● Short Answer Questions (3 marks questions)

1. What is an Operating System ? Explain the Operating System.
2. What is an Operating System ? Explain the functions of an Operating System.
3. Explain Batch Operating System.
4. Explain Multiprogramming Operating System.
5. Explain Time Sharing Operating System.
6. Explain Real-Time Operating System.
7. Explain Distributed Operating System.
8. What is an Operating System ? Differentiate between Batch and Time Sharing Operating Systems.
9. Explain the booting process.
10. What is an Operating System ? Explain the importance of an Operating System.

● Long Answer Questions (6 marks questions)

1. Define Operating System and explain its functions in detail.
2. Explain different types of Operating Systems with suitable examples.
3. Differentiate between Batch, Multiprogramming, Time Sharing, Real-Time, and Distributed Operating Systems.
4. Explain the architecture and working of an Operating System.
5. Explain the major services provided by an Operating System.
6. Explain the advantages and disadvantages of different Operating Systems.