

Multiple-Choice-Questions (MCQs):

1. **What is the world's first calculator?**
A) Abacus
B) Pascaline
C) Leibnitz's Calculator
D) Napier's Bones
2. **Which is an example of System Software?**
A) Microsoft Word
B) Google Chrome
C) Windows
D) VLC Media Player
3. **What was the first general-purpose electronic digital computer?**
A) UNIVAC
B) ENIAC
C) MARK 1
D) IBM 1401
4. **Which storage device uses magnetic storage?**
A) SSD
B) HDD
C) USB Drive
D) Optical Drive
5. **What technology was introduced in the Second Generation of computers?**
A) Vacuum tubes
B) Transistors
C) Integrated circuits
D) Microprocessors
6. **Which computer was the first to use magnetic tape for data storage?**
A) ENIAC
B) UNIVAC
C) IBM 7090
D) MARK 1
7. **What is the main component of the CPU responsible for executing instructions?**
A) RAM
B) ALU
C) Control Unit
D) Registers
8. **What is the primary function of RAM in a computer?**
A) Permanent data storage
B) Short-term memory storage
C) Data processing
D) Input/Output operations
9. **Which device uses flash memory for faster and more reliable data storage?**
A) HDD
B) SSD
C) Optical drive
D) External hard drive
10. **What is the main function of the motherboard?**
A) Store data
B) Connect all components
C) Display output
D) Execute instructions
11. **Which input device is used to navigate the graphical user interface?**
A) Keyboard
B) Mouse
C) Scanner
D) Microphone
12. **What is the primary display device for visual output?**
A) Printer
B) Monitor
C) Speaker
D) Projector
13. **What does LAN stand for?**
A) Local Area Network
B) Large Area Network
C) Long Area Network
D) Linked Area Network
14. **Which network covers a larger area than a LAN but smaller than a WAN?**

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| A) MAN | C) LAN |
| B) PAN | D) CAN |

15. What is the largest and most populous network in the world?

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| A) LAN | C) WAN |
| B) MAN | D) Internet |

16. What technology enables devices to connect to a network without wires?

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| A) Ethernet | C) Fiber Optics |
| B) Wi-Fi | D) Coaxial Cable |

17. What is the hexadecimal representation of Binary number 1010?

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| A) 5 | C) 10 |
| B) A | D) F |

18. Which type of cable is widely used for cable television systems?

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|------------------|-------------------|
| A) Twisted Pair | C) Optical Fiber |
| B) Coaxial Cable | D) Ethernet Cable |

19. Which number system uses only two digits, 0 and 1?

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| A) Decimal | C) Octal |
| B) Binary | D) Hexadecimal |

20. What is the result of binary subtraction 1 - 1?

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| A) 0 | C) 10 |
| B) 1 | D) 11 |

21. What is the 1's complement of 0110?

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| A) 1001 | C) 1000 |
| B) 0110 | D) 1010 |

22. What is the 2's complement of 0101?

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| A) 1010 | C) 1011 |
| B) 1101 | D) 1110 |

23. What is the ASCII code for the character 'A'?

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| A) 65 | C) 67 |
| B) 66 | D) 68 |

24. Which programming language is considered low-level?

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| A) Python | C) Assembly |
| B) Java | D) C++ |

25. What is the main function of an operating system?

- A) Store data
- B) Manage hardware and software resources
- C) Display output
- D) Connect to the internet

26. Which device is known as the "brain" of the computer?

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| A) RAM | C) Hard Drive |
| B) CPU | D) Motherboard |

27. What is the main purpose of a compiler?

- A) Execute code line-by-line

- B) Translate high-level code into machine code
- C) Store data
- D) Display output

28. Which generation of computers introduced transistors?

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| A) First Generation | C) Third Generation |
| B) Second Generation | D) Fourth Generation |

29. What is the main advantage of SSDs over HDDs?

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| A) Higher storage capacity | C) Lower cost |
| B) Faster and more reliable | D) Larger size |

30. What is the main function of the ALU in the CPU?

- A) Store data
- B) Perform arithmetic and logical operations
- C) Control data flow
- D) Execute instructions

31. Which device converts digital materials into physical copies?

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| A) Monitor | C) Speaker |
| B) Printer | D) Projector |

32. Which type of memory is volatile?

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| A) ROM | C) Hard Drive |
| B) RAM | D) SSD |

33. What is the main purpose of an interpreter?

- A) Translate high-level code into machine code in one go
- B) Execute code line-by-line
- C) Store data
- D) Display output

34. What is a flowchart?

- A) A visual representation of an algorithm
- B) A type of computer hardware
- C) A programming language
- D) A storage device

35. Which programming language is known for its ease of learning and use in educational settings?

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| A) C | C) BASIC |
| B) Pascal | D) Java |