

Computer Fundamental MCQ PDF by [Toposters.com](https://www.toposters.com)

1. What does CPU stand for?

- a) Central Processing Unit
- b) Computer Processing Unit
- c) Central Processor Unit
- d) Core Processing Unit

Answer: a) Central Processing Unit

2. Which type of memory is volatile and loses its contents when the power is turned off?

- a) ROM (Read-Only Memory)
- b) RAM (Random Access Memory)
- c) Cache Memory
- d) Hard Disk Drive

Answer: b) RAM (Random Access Memory)

3. What is the primary purpose of an operating system?

- a) Running applications
- b) Managing hardware resources
- c) Creating documents
- d) Providing internet connectivity

Answer: b) Managing hardware resources

4. Which programming language is often used for web development and is known for its flexibility and ease of use?

- a) Java
- b) Python
- c) C++
- d) HTML

Answer: b) Python

5. What does URL stand for?

- a) Uniform Resource Locator
- b) Universal Resource Link
- c) Uniform Reference Locator
- d) Universal Reference Link

Answer: a) Uniform Resource Locator

6. Which computer component is responsible for converting digital data into analog signals for transmission over telephone lines?

- a) Modem
- b) Router
- c) Switch
- d) NIC (Network Interface Card)

Answer: a) Modem

7. What is the purpose of a firewall in the context of computer security?

- a) Protecting against hardware failures
- b) Preventing unauthorized access to a network
- c) Improving computer performance
- d) Managing software updates

Answer: b) Preventing unauthorized access to a network

8. Which storage device typically uses laser technology to read and write data on optical discs?

- a) USB flash drive
- b) Hard Disk Drive
- c) SSD (Solid State Drive)
- d) Optical Drive

Answer: d) Optical Drive

9. What is the binary representation of the decimal number 25?

- a) 11001
- b) 10100
- c) 10011
- d) 11101

Answer: c) 10011

10. What does HTML stand for?

- a) Hyperlink and Text Markup Language
- b) Hyper Text Markup Language
- c) High-level Text Management Language
- d) Hyper Transfer and Markup Language

Answer: b) Hyper Text Markup Language

11. Which of the following is not a primary function of an operating system?

- a) Memory Management
- b) File Management
- c) Application Development
- d) Process Management

Answer: c) Application Development

12. What does RAM stand for?

- a) Random Access Memory
- b) Read-Only Memory
- c) Remote Access Module
- d) Rapid Application Mode

Answer: a) Random Access Memory

13. Which computer port is used for connecting a keyboard?

- a) USB
- b) HDMI
- c) Ethernet
- d) VGA

Answer: a) USB

14. The process of converting high-level programming languages into machine code is known as:

- a) Compilation
- b) Interpretation
- c) Execution
- d) Editing

Answer: a) Compilation

15. Which type of software is designed to detect and remove malicious software from a computer system?

- a) Firewall
- b) Antivirus
- c) Browser
- d) Operating System

Answer: b) Antivirus

16. What is the smallest unit of digital data?

- a) Byte
- b) Bit
- c) Kilobyte
- d) Megabyte

Answer: b) Bit

17. Which type of storage device uses magnetism to store data?

- a) Flash Drive
- b) SSD
- c) Hard Disk Drive
- d) CD-ROM

Answer: c) Hard Disk Drive

18. What is the purpose of an IP address?

- a) To identify a specific email address
- b) To identify a specific person online
- c) To identify a specific website
- d) To identify a specific computer or device on a network

Answer: d) To identify a specific computer or device on a network

19. What does CPU Clock Speed refer to?

- a) The physical size of the CPU
- b) The number of cores in the CPU
- c) The speed at which the CPU can perform calculations
- d) The amount of cache memory in the CPU

Answer: c) The speed at which the CPU can perform calculations

20. Which programming language is often used for creating dynamic and interactive websites?

- a) Java
- b) C#
- c) JavaScript

d) Ruby

Answer: c) JavaScript

21. Which component of a computer is responsible for executing arithmetic and logical operations?

a) RAM

b) GPU

c) CPU

d) Hard Drive

Answer: c) CPU

22. What does LAN stand for?

a) Local Area Network

b) Long Area Network

c) Limited Access Network

d) Link Area Network

Answer: a) Local Area Network

23. The process of copying files from a remote server to a local computer is called:

a) Downloading

b) Uploading

c) Transferring

d) Sharing

Answer: a) Downloading

24. What is the primary function of an input device?

a) Displaying output to the user

b) Processing data

c) Providing power to the computer

d) Entering data into the computer

Answer: d) Entering data into the computer

25. What is the purpose of a compiler?

a) To execute program instructions

b) To convert high-level code into machine code

c) To create graphics for applications

d) To manage memory resources

Answer: b) To convert high-level code into machine code

26. Which type of software provides a user interface for interacting with an operating system?

a) Compiler

b) Operating System

c) Text Editor

d) Web Browser

Answer: b) Operating System

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27. What is the main purpose of a spreadsheet software?

a) Creating and editing images

- b) Managing emails and contacts
- c) Creating and analyzing numerical data
- d) Writing and editing documents

Answer: c) Creating and analyzing numerical data

28. Which storage device uses optical technology to store data on a spinning disc?

- a) USB Flash Drive
- b) SSD
- c) Hard Disk Drive
- d) DVD-ROM

Answer: d) DVD-ROM

29. What does the acronym HTML stand for?

- a) Hyper Text Markup Language
- b) High-level Text Management Language
- c) Home Text Modeling Language
- d) Hyperlink and Text Management Language

Answer: a) Hyper Text Markup Language

30. Which of the following is an example of an output device?

- a) Mouse
- b) Keyboard
- c) Monitor
- d) Scanner

Answer: c) Monitor

31. Which protocol is used for sending and receiving emails over the internet?

- a) FTP
- b) HTTP
- c) SMTP
- d) POP3

Answer: c) SMTP

32. What is the purpose of a compiler in programming?

- a) Debugging code
- b) Running code
- c) Writing code
- d) Converting code to machine-readable form

Answer: d) Converting code to machine-readable form

33. Which type of memory is non-volatile and retains its data even when the power is turned off?

- a) RAM
- b) ROM
- c) Cache
- d) Virtual Memory

Answer: b) ROM

34. What is the function of an Ethernet cable in a computer network?

- a) Transmitting radio signals

- b) Transmitting data packets
- c) Providing power to devices
- d) Storing data

Answer: b) Transmitting data packets

35. What is the primary purpose of an application software?

- a) Managing hardware resources
- b) Providing security to the system
- c) Performing specific tasks for the user
- d) Interacting with the operating system

Answer: c) Performing specific tasks for the user

36. Which component of a computer is responsible for storing the operating system and other software?

- a) RAM
- b) CPU
- c) Hard Drive
- d) Monitor

Answer: c) Hard Drive

37. What is the role of a compiler in the software development process?

- a) Executing the program
- b) Writing the program
- c) Converting source code into machine code
- d) Debugging the program

Answer: c) Converting source code into machine code

38. Which programming language is widely used for scientific and numerical computing?

- a) C++
- b) Java
- c) Python
- d) Ruby

Answer: c) Python

39. Which type of software provides a platform for creating and managing databases?

- a) Spreadsheet software
- b) Presentation software
- c) Database management software
- d) Graphics editing software

Answer: c) Database management software

40. What does the acronym PDF stand for in the context of document formats?

- a) Personal Document Format
- b) Pretty Document Format
- c) Portable Document Format
- d) Programmed Document Format

Answer: c) Portable Document Format

41. Which computer language uses a combination of 0s and 1s to represent data?

- a) Binary language

- b) Assembly language
- c) High-level language
- d) Machine language

Answer: d) Machine language

42. What is the purpose of a router in a computer network?

- a) Connecting devices to the internet
- b) Transmitting radio signals
- c) Distributing data packets between different networks
- d) Storing large amounts of data

Answer: c) Distributing data packets between different networks

43. Which type of software allows users to create text-based documents?

- a) Spreadsheet software
- b) Word processing software
- c) Presentation software
- d) Graphics editing software

Answer: b) Word processing software

44. What does USB stand for in the context of computer ports?

- a) Universal Serial Bus
- b) Unifying System Base
- c) Universal System Backup
- d) Ultra Speed Bandwidth

Answer: a) Universal Serial Bus

45. Which device is used for pointing and controlling actions on the computer screen?

- a) Keyboard
- b) Monitor
- c) Mouse
- d) Speaker

Answer: c) Mouse

46. What is the purpose of an operating system's graphical user interface (GUI)?

- a) Running system tasks
- b) Managing hardware resources
- c) Providing a user-friendly way to interact with the computer
- d) Optimizing CPU performance

Answer: c) Providing a user-friendly way to interact with the computer

47. Which software category is used to protect a computer from unauthorized access and security threats?

- a) Database software
- b) Antivirus software
- c) Spreadsheet software
- d) Graphics software

Answer: b) Antivirus software

48. Which of the following is a network protocol used to retrieve emails from a mail server?

- a) HTTP

- b) FTP
- c) POP3
- d) SMTP

Answer: c) POP3

49. Which hardware component provides temporary storage of data to be processed by the CPU?

- a) Hard Drive
- b) CPU
- c) RAM
- d) Monitor

Answer: c) RAM

50. What is the function of an optical mouse?

- a) To project images onto a screen
- b) To provide internet connectivity
- c) To scan printed documents
- d) To track movement on a surface

Answer: d) To track movement on a surface

51. What does the acronym LAN stand for?

- a) Local Access Network
- b) Large Area Network
- c) Longitudinal Array Network
- d) Local Area Network

Answer: d) Local Area Network

52. Which component of a computer is responsible for processing graphics and visuals?

- a) RAM
- b) CPU
- c) GPU
- d) Hard Drive

Answer: c) GPU

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53. What is the purpose of a firewall in computer security?

- a) Storing passwords
- b) Detecting viruses
- c) Preventing unauthorized access
- d) Speeding up internet connections

Answer: c) Preventing unauthorized access

54. What is a URL?

- a) A type of software
- b) A computer programming language
- c) A type of computer virus
- d) An address used to access resources on the web

Answer: d) An address used to access resources on the web

55. Which software is used to browse and interact with websites on the internet?

- a) Word processing software
- b) Spreadsheet software
- c) Web browser
- d) Antivirus software

Answer: c) Web browser

56. Which technology allows you to use your fingerprint to unlock a smartphone or computer?

- a) NFC (Near Field Communication)
- b) GPS (Global Positioning System)
- c) Biometric authentication
- d) Bluetooth

Answer: c) Biometric authentication

57. What is the role of an input device in a computer system?

- a) Displaying output to the user
- b) Storing data for later use
- c) Converting digital data into analog signals
- d) Entering data into the computer

Answer: d) Entering data into the computer

58. What is the purpose of a network switch?

- a) To connect a computer to the internet
- b) To amplify audio signals
- c) To distribute network traffic efficiently
- d) To print documents

Answer: c) To distribute network traffic efficiently

59. Which component of a computer system performs arithmetic and logical operations?

- a) CPU
- b) RAM
- c) Monitor
- d) Keyboard

Answer: a) CPU

60. What is the main purpose of an output device?

- a) To enter data into the computer
- b) To store data temporarily
- c) To display information to the user
- d) To process data

Answer: c) To display information to the user

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