

# ICT Grade 12 Midterm Examinations

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1. **What is the primary function of an operating system?**
  - a) To manage hardware and software resources
  - b) To create web pages
  - c) To provide antivirus protection
  - d) To perform calculations
  
2. **Which of the following is a type of malware?**
  - a) Firewall
  - b) Antivirus
  - c) Trojan horse
  - d) Router
  
3. **What does HTTP stand for?**
  - a) Hypertext Transfer Protocol
  - b) Hyperlink Text Transfer Protocol
  - c) Hyper Transfer Text Protocol
  - d) Hypertext Transmission Protocol
  
4. **Which device is used to connect multiple computers in a network?**
  - a) Modem
  - b) Switch
  - c) Printer
  - d) Monitor
  
5. **Which programming language is primarily used for web development?**
  - a) Python
  - b) Java
  - c) HTML
  - d) C++
  
6. **What is the purpose of a database management system (DBMS)?**
  - a) To create user interfaces
  - b) To store and manage data
  - c) To perform mathematical calculations
  - d) To display graphics

7. **Which of the following is a cloud storage service?**

- a) Microsoft Word
- b) Google Drive
- c) Adobe Photoshop
- d) Notepad

8. **What is phishing?**

- a) A method of data encryption
- b) A technique used to gain sensitive information by pretending to be a trustworthy entity
- c) A type of network hardware
- d) A programming error

9. **What does CPU stand for?**

- a) Central Processing Unit
- b) Computer Personal Unit
- c) Central Program Unit
- d) Computer Processing Unit

10. **Which of the following is an example of an input device?**

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

11. **What does CPU stand for?**

- A) Processing Unit Central
- B) Computer Personal Unit
- C) Centralized Power Unit
- D) Control Program Unit

o **12. Which of the following is an example of an operating system?**

- A) Microsoft Word
- B) Adobe Photoshop
- C) Windows 10
- D) Google Chrome

**13. What is the primary function of RAM in a computer?**

- A) Store data permanently
- B) Execute programs
- C) Store data temporarily
- D) Manage input/output operations

**14. Which of the following protocols is used for secure data transmission over the Internet?**

- A) HTTP
- B) FTP
- C) HTTPS
- D) SMTP

**15. What does the term "cloud computing" refer to?**

- A) Storing data on a local hard drive
- B) Running software applications on a remote server
- C) Using a computer in a weather-sensitive environment
- D) Sharing files through email

**16. Which of the following is NOT a type of malware?**

- A) Virus
- B) Worm
- C) Firewall
- D) Trojan

**17. What is the main purpose of an IP address?**

- a.  A) To protect against viruses
- b.  B) To identify a device on a network
- c.  C) To store website data
- d.  D) To speed up internet connections

**18. In programming, what does 'syntax' refer to?**

- a.  A) The meaning of commands
- b.  B) The structure and rules of writing code
- c.  C) The speed of execution
- d.  D) The type of programming language

**19. What is the primary function of an operating system?**

- o A) Run applications
- o B) Manage hardware resources
- o C) Provide internet access
- o D) Store user data

**20. Which of the following is a programming language?**

- a. A) HTML
- b. B) CSS
- c. C) Python
- d. D) SQL

**21. What does 'URL' stand for?**

- a. A) Uniform Resource Locator
- b. B) Universal Resource Link
- c. C) User Resource Locator
- d. D) Uniform Resource Link
- e.

**22. Which storage device is known for its high speed?**

- a. A) Hard Disk Drive (HDD)
- b. B) Solid State Drive (SSD)
- c. C) USB Flash Drive
- d. D) Optical Disc

**23. What is the purpose of a database?**

- a. A) To perform calculations
- b. B) To store and manage data
- c. C) To display graphics
- d. D) To control hardware

**A**

**24. What type of network topology connects all devices to a central hub?**

- a. A) Mesh
- b. B) Star
- c. C) Ring
- d. D) Bus

**Answer: B) Star**

**25. What does 'VPN' stand for?**

- a. A) Virtual Private Network
- b. B) Variable Public Network
- c. C) Verified Personal Network
- d. D) Virtual Protected Network

**26. Which of the following best describes 'phishing'?**

- a. A) A type of software bug
- b. B) A form of social engineering to steal personal information
- c. C) A method of securing networks

- d. D) A network performance issue

**27. Which of the following is NOT a component of a computer?**

- a. A) CPU
- b. B) RAM
- c. C) Router
- d. D) Hard Drive

**28. What does HTTP stand for?**

- a. A) Hypertext Transfer Protocol
- b. B) Hyperlink Transfer Protocol
- c. C) Hypertext Transmission Protocol
- d. D) Hyperlink Transmission Protocol

**29. Which of the following is a type of network topology?**

- a. A) Linear
- b. B) Hierarchical
- c. C) Star
- d. D) Circular

**30. What is the purpose of a firewall?**

- a. A) To manage data storage
- b. B) To prevent unauthorized access
- c. C) To speed up the internet connection
- d. D) To create backup copies of files

**31. In SQL, what command is used to retrieve data from a database?**

- a. A) GET
- b. B) SELECT
- c. C) FETCH
- d. D) PULL

**32. Which programming construct is used to make decisions?**

- a. A) Loop
- b. B) Function
- c. C) Conditional
- d. D) Variable

**33. What does IoT stand for?**

- a. A) Internet of Technology
- b. B) Internet of Things
- c. C) Interconnected Online Tools

d. D) Information of Tech

**34. Which of the following is a type of malware?**

- a. A) Firewall
- b. B) Antivirus
- c. C) Worm
- d. D) VPN

**35. What is the main function of an operating system?**

- a. A) To execute applications
- b. B) To manage hardware resources
- c. C) To provide internet access
- d. D) To create multimedia content

**Demonstration:**

**35 Pts.**

**Install a Clean format of Windows 7 Professional or Windows 10 pro Operating System in a system Unit.**