



CCIII - Introduction to Computer

Final Examination

1st Semester
December 11-13, 2024

Name: _____ Year /Section: _____ Score: _____

General Instructions:

1. Write all your answers in the space provided.
 2. Write neatly and legibly.
 3. Erasure or change of answer in any way is strictly not allowed

Test 1: Multiple Choice: (100 points)

Direction: Read each question carefully, and write the letter of your answer in the space provided.

- 1. What is the primary function of a storage device?**

 - a) To process data
 - b) To output data
 - c) To input data
 - d) To store data and instructions

2. What is the core component of an operating system that manages memory and devices?

 - a) Device driver
 - b) Kernel **(Answer: b)**
 - c) User interface
 - d) Application software

3. How does virtual memory help improve system performance?

 - a) By increasing the physical RAM
 - b) By using a portion of the hard disk as additional RAM
 - c) By speeding up the CPU clock speed
 - d) By optimizing the cache memory

4. What is a Trojan horse?

 - a) A physical security device
 - b) A type of computer hardware
 - c) A malicious program disguised as legitimate software
 - d) A network protocol

5. How does a hard disk store data?

 - a) By using electrical charges
 - b) By using optical lasers
 - c) By using magnetic particles
 - d) By using chemical reactions

6. You need to run multiple programs simultaneously on your computer. Which type of operating system would be most suitable?

 - a) Single-user, single-tasking
 - b) Single-user, multitasking
 - c) Multi-user, single-tasking
 - d) Multi-user, multitasking

7. Which of the following best describes a retail enterprise?

 - a) Provides legal advice and representation to clients.
 - b) Manufactures large quantities of products for sale
 - c) Offers educational programs and instruction.
 - d) Owns multiple stores and sells goods at a discount due to bulk purchases.

8. What is a firewall?

 - a) A hardware or software barrier that protects a network
 - b) A type of antivirus software
 - c) A network cable
 - d) A data storage device

9. Business Intelligence (BI) helps managers make better business decisions. Which of the following activities is most closely associated with BI?

 - a) Manually entering sales data into a spreadsheet.
 - b) Providing basic reports on employee performance.
 - c) **Analyzing large datasets to identify trends and patterns.**
 - d) Sending mass marketing emails to all customers.

10 What are the potential risks of using pirated software?

 - a) Legal issues
 - b) Security vulnerabilities
 - c) Performance issues
 - d) All of the above

- _____ 11. **How does a worm spread?**
a) By attaching itself to other files
b) By exploiting vulnerabilities in network systems
c) By tricking users into opening infected files
d) All of the above
- _____ 12. **Why is it important to keep your operating system and utility programs up-to-date?**
a) To improve performance b) To enhance security
c) To access new features d) All of the above
- _____ 13. **What are the potential risks of using pirated software?**
a) Legal issues b) Security vulnerabilities
c) Performance issues d) All of the above
- _____ 14. **What is the purpose of a RAID system?**
a) To increase storage capacity
b) To improve data reliability and fault tolerance
c) To speed up data transfer rates
d) To reduce the cost of storage
- _____ 15 **What is phishing?**
a) A technique used to steal personal information by disguising as a legitimate entity
b) A type of network attack that floods a system with traffic
c) A malicious program that damages computer systems
d) A method of encrypting data
- _____ 16 **You receive an email from an unknown sender with an attachment. What should you do?**
a) Open the attachment immediately
b) Delete the email without opening the attachment
c) Forward the email to your IT department
d) Call the sender to verify the email
- _____ 16 **Your computer is running slowly and you suspect it may be infected with malware. What steps can you take to address the issue?**
a) Run a virus scan
b) Update your antivirus software
c) Avoid downloading files from untrusted sources
d) All of the above
- _____ 17. **What is the primary function of an antivirus program?**
a) To speed up computer performance
b) To compress files
c) To protect against malicious software
d) To create backups
- _____ 18. **Business Process Automation (BPA) aims to reduce the need for human intervention. What potential negative consequence of BPA should also be considered? Which of the following best describes a retail enterprise?**
a) Provides legal advice and representation to clients.
b) Manufactures large quantities of products for sale.
c) Offers educational programs and instruction.
d) Owns multiple stores and sells goods at a discount due to bulk purchases
- _____ 19. **How does a firewall protect a computer from unauthorized access?**
a) By scanning for viruses
b) By monitoring network traffic and blocking suspicious activity
c) By encrypting data
d) By deleting malicious software
- _____ 20. **Why is it important to keep your operating system and software up-to-date?**
a) To improve performance
b) To enhance security
c) To access new features
d) All of the above
- _____ 21. **How can you protect your important data from accidental loss or damage?**
a) By regularly backing up your data
b) By formatting your hard disk
c) By deleting unnecessary files
d) By defragmenting your hard disk

22. Which of the following is a key benefit of an Enterprise-wide System?

- a) Reduced need for IT support.
- b) Increased hardware costs.
- c) Improved data consistency and accessibility across the organization.
- d) Increased complexity in system management

23 What is the primary role of a Decision Support System (DSS)?

- a) To automate routine tasks.
- b) To manage day-to-day operations.
- c) To support decision-making by providing analytical tools and data.
- d) To track customer interactions.

24. What are the potential consequences of a cyberattack on a business?

- a) Financial loss
- b) Reputation damage
- c) Data breaches
- d) All of the above

25. What is the primary function of a communication channel?

- a) To send data
- b) To receive data
- c) To transmit data
- d) All of the above

26. How does a web browser work?

- a) It sends requests to a server and displays the received HTML content.
- b) It directly accesses the internet and displays web pages.
- c) It stores web pages locally for faster access.
- d) It translates code into machine language.

27. What is the difference between Wi-Fi and Bluetooth?

- a) Wi-Fi has a longer range than Bluetooth.
- b) Bluetooth has a longer range than Wi-Fi.
- c) Wi-Fi is primarily used for data transfer, while Bluetooth is for audio.
- d) Bluetooth is primarily used for data transfer, while Wi-Fi is for audio.

28. Why is network security important?

- a) To protect sensitive information
- b) To prevent unauthorized access
- c) To ensure network reliability
- d) All of the above

29. Which technology has had the most significant impact on global communication?

- a) Telephone
- b) Internet
- c) Satellite
- d) Telegraph

30. What is the purpose of encryption?

- a) To speed up data transfer
- b) To compress data
- c) To protect data from unauthorized access
- d) To recover lost data

31. Which of the following is a wireless communication technology?

- a) Ethernet cable
- b) Fiber optic cable
- c) Bluetooth
- d) Coaxial cable

32. How does a web browser work?

- a) It sends requests to a server and displays the received HTML content.
- b) It directly accesses the internet and displays web pages.
- c) It stores web pages locally for faster access.
- d) It translates code into machine language.

33. You need to conduct a virtual meeting with colleagues in different locations. Which technology would be most suitable?

- a) Email
- b) FTP
- c) Video conferencing
- d) SMS

34 Why is network security important?

- a) To protect sensitive information
- b) To prevent unauthorized access
- c) To ensure network reliability
- d) All of the above

35. What is the primary function of a modem?

- a) To amplify signals
- b) To convert digital signals to analog signals and vice versa
- c) To store data
- d) To control network traffic

36. Which type of network connection provides a constant, high-speed connection to the internet?

- a) Dial-up
- b) DSL
- c) Cable
- d) All of the above

37 What is the role of a router in a network?

- a) To connect devices within a network
- b) To amplify network signals
- c) To filter incoming and outgoing traffic
- d) To store data

38. What is the significance of bandwidth in network performance?

- a) It determines the speed at which data can be transmitted.
- b) It measures the distance between network devices.
- c) It refers to the number of devices connected to a network.
- b) It indicates the reliability of a network connection

39. What is the value of the binary number 10101101 when converted to decimal?"

- a. 193
- b. 173
- c. 183
- d. 103

40. How can you improve the security of your home network?

- a) Use strong passwords for your Wi-Fi network
- b) Keep your network devices and software up-to-date
- c) Use a firewall to protect your network
- d) All of the above

41. Which of the following is a key benefit of an Enterprise-wide System?

- a) Reduced need for IT support.
- b) Increased hardware costs.
- c) Improved data consistency and accessibility across the organization.
- d) Increased complexity in system management.

42. You need to store a large number of high-resolution photos. Which storage medium would be most suitable?

- a) A CD-ROM
- b) A DVD-ROM
- c) A Blu-ray disc
- d) A USB flash drive

43. What is the value of the octal number 675 when converted to binary?

- a. 10101010101
- b. 11101010111
- C.011011011
- d.110111101

44. What is the value of the hexadecimal number 34F when converted to decimal?

- a. 875
- b. 847
- c. 957
- d. 748

45. How can you prevent data loss from an optical disc?

- a) By storing the disc in a hot, humid environment
- b) By exposing the disc to direct sunlight
- c) By storing the disc in a jewel case and avoiding scratches
- d) By writing on the label of the disc with a permanent marker

46. Your computer is running slowly and you suspect it may be infected with malware. What steps can you take to address the issue?

- a) Run a virus scan
- b) Update your antivirus software
- c) Avoid downloading files from untrusted sources
- d) All of the above

47 Why is it important to have a strong password?

- a) To prevent unauthorized access to your accounts
- b) To protect your personal information
- c) To avoid identity theft
- d) All of the above

48 Which type of network connection would be best for a small business that needs a reliable and high-speed internet connection?

- a) Dial-up
- b) DSL
- c) Cable
- d) Fiber optic

49 How does a dial-up connection differ from a broadband connection?

- a) Dial-up connections are faster and more reliable.
- b) Broadband connections are slower and less reliable.
- c) Dial-up connections use a traditional telephone line, while broadband connections use a dedicated line.
- d) There is no difference between the two.

50. How can you protect your privacy online?

- a) Use strong, unique passwords
- b) Be cautious about sharing personal information online
- c) Use privacy settings on social media
- d) All of the above

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