



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 input data
b) To output 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 c) User interface
b) Kernel (**Answer: b**) 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) **Owens 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 C.0110111011
b. 11101010111 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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