

## قائمة الاسئلة

امتحان نهاية الفصل الدراسي الأول - للعام الجامعي 1446 هـ - الموافق -2025/2024م-كلية الحاسوب وتكنولوجيا المعلومات :: مهارات د. أحمد عبداالله الشلامي

- 1) Which of the following is a disadvantage of using computers?
  - 1) Speed
  - 2) + Privacy concerns
  - 3) Reliability
  - 4) Consistency
- 2) Which device is NOT an input device?
  - 1) Mouse
  - 2) Keyboard
  - 3) + Monitor
  - 4) Scanner
- 3) What is the purpose of storage devices?
  - 1) To provide an interface for input
  - 2) + To hold data and information for future use
  - 3) To execute instructions
  - 4) To display visual output
- 4) Which type of computer is specifically designed for high-speed processing and complex computations?
  - 1) Mainframe
  - 2) + Supercomputer
  - 3) Embedded computer
  - 4) Mobile computer
- 5) What does "data" refer to in computing?
  - 1) Instructions given to a computer
  - 2) Processed facts presented as information
  - 3) + Raw facts that need to be processed
  - 4) Hardware that stores information
- 6) Which cycle describes how data is processed in a computer?
  - 1) Storage cycle
  - 2) Boot cycle
  - 3) Processing cycle
  - 4) + Information processing cycle
- 7) What does "computer literacy" mean?
  - 1) Knowledge of programming languages
  - 2) + Current knowledge and understanding of computers and their uses
  - 3) Ability to repair computers
  - 4) Experience with hardware components
- 8) Which of the following is a primary function of a computer?
  - 1) Calculating only
  - 2) Storing only
  - 3) + Processing data into information
  - 4) Outputting only
- 9) What type of computer is used by large organizations for critical applications, such as bulk data processing?
  - 1) Personal computer
  - 2) Supercomputer
  - 3) + Mainframe
  - 4) Embedded computer
- 10) Which computer component processes data?

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- 1) Input device
- 2) + Processor
- 3) Output device
- 4) Storage device
- 11) Which term describes the physical parts of a computer?
  - 1) + Hardware
  - 2) Software
  - 3) Data
  - 4) Information
- 12) What does an information processing cycle include?
  - 1) + Input, processing, output, and storage
  - 2) Data, information, storage, and networking
  - 3) Software, hardware, processing, and output
  - 4) Input, calculation, storage, and processing
- 13) Which of these is NOT an advantage of using a computer?
  - 1) Reliability
  - 2) + Privacy issues
  - 3) Consistency
  - 4) Efficiency
- 14) What is the purpose of an operating system?
  - 1) Running programs only
  - 2) + Managing computer resources and facilitating software
  - 3) Storing all information
  - 4) Controlling peripheral devices only
- 15) Which component performs calculations and logical operations?
  - 1) + ALU
  - 2) ROM
  - 3) System unit
  - 4) RAM
- 16) What is the primary purpose of a search engine?
  - 1) Storing data online
  - 2) Providing email services
  - 3) + Helping users find information on the internet
  - 4) Securing internet connections
- 17) What type of website allows users to share content and network?
  - 1) E-commerce
  - 2) + Social networking
  - 3) Corporate
  - 4) Personal blog
- 18) Which protocol is used for secure web communication?
  - 1) HTTP
  - 2) FTP
  - 3) SMTP
  - 4) + HTTPS
- 19) Which of the following terms describes audio and video communication over the internet?
  - 1) Netiquette
  - 2) Blog
  - 3) Web conferencing
  - 4) + VoIP



- 20) What does URL stand for?
  - 1) Unique Resource Locator
  - 2) + Uniform Resource Locator
  - 3) Universal Reference Locator
  - 4) Unified Registration Link
- 21) Which of the following defines VoIP technology?
  - 1) + Voice Over Internet Protocol
  - 2) Video Online Interactive Platform
  - 3) Very Open Internet Provider
  - 4) Virtual Operating Internet Protocol
- 22) What term refers to small text files stored on a user's computer by a web browser?
  - 1) Cache
  - 2) + Cookies
  - 3) Tags
  - 4) Histories
- 23) What is a blog?
  - 1) Live chat room
  - 2) + Web-based journal
  - 3) E-commerce website
  - 4) Email service
- 24) What type of Internet connection uses a cable television network?
  - 1) DSL
  - 2) Dial-up
  - 3) Satellite
  - 4) + Cable
- 25) Which type of software provides access to web pages?
  - 1) Utility software
  - 2) Application software
  - 3) + Web browser
  - 4) System software
- 26) What is the function of an ISP?
  - 1) + Providing internet access
  - 2) Hosting online storage
  - 3) Running cloud applications
  - 4) Encrypting internet connections
- 27) Which protocol allows for file transfer between computers?
  - 1) HTTP
  - 2) + FTP
  - 3) SMTP
  - 4) SSL
- 28) Which part of the URL is the domain name in "http://www.example.com"?
  - 1) http
  - 2) www
  - 3) + example.com
  - 4) com
- 29) Which of the following describes Web 2.0?
  - 1) Static, read-only web pages
  - 2) + Interactive websites with user-generated content
  - 3) Text-only content without multimedia



- 4) Mobile-optimized websites
- 30) Which service is used for sending and receiving electronic messages?
  - 1) FTP
  - 2) Chat rooms
  - 3) + E-mail
  - 4) VoIP
- 31) What is a cybercafé?
  - 1) An online café where people chat
  - 2) + A café that provides internet access to customers
  - 3) A website for social networking
  - 4) A type of e-commerce store
- 32) What is the purpose of a Web server?
  - 1) Storing offline data
  - 2) + Serving web pages to clients
  - 3) Providing internet connections
  - 4) Encrypting data
- 33) What does "streaming" mean in the context of online video?
  - 1) Downloading a file
  - 2) + Watching live or on-demand content without full download
  - 3) Viewing content offline
  - 4) Saving a video permanently
- 34) What type of software allows users to create and edit written documents?
  - 1) Spreadsheet software
  - 2) + Word processing software
  - 3) Database software
  - 4) Presentation software
- 35) Which application would be best for creating a slideshow presentation?
  - 1) Spreadsheet software
  - 2) Word processor
  - 3) + Presentation software
  - 4) Database software
- 36) Which software allows you to calculate and analyze numerical data?
  - 1) Database software
  - 2) + Spreadsheet software
  - 3) Word processing software
  - 4) Web browser
- 37) What is the purpose of project management software?
  - 1) + Organizing tasks and tracking project schedules
  - 2) Creating multimedia content
  - 3) Encrypting files for security
  - 4) Analyzing numerical data
- 38) What type of software is used for creating and editing graphics?
  - 1) Spreadsheet software
  - 2) Database software
  - 3) + Graphics software
  - 4) Presentation software
- 39) Which application is typically included in a productivity software suite?
  - 1) Operating system
  - 2) + Word processor



- 3) Antivirus software
- 4) Web browser
- 40) What is a feature of accounting software?
  - 1) Storing large amounts of data
  - 2) + Managing financial transactions and records
  - 3) Designing graphics
  - 4) Scheduling projects
- 41) Which software is used to store and manage large sets of structured data?
  - 1) Presentation software
  - 2) + Database software
  - 3) Word processor
  - 4) Spreadsheet software
- 42) Which of the following allows users to manage their time and organize schedules?
  - 1) Project management software
  - 2) + PIM (Personal Information Manager) software
  - 3) Accounting software
  - 4) Web browser
- 43) What does CAD stand for?
  - 1) + Computer Aided Design
  - 2) Computer Automated Development
  - 3) Computer Application Design
  - 4) Central Application Development
- 44) What is an example of a web application?
  - 1) Microsoft Word
  - 2) + Google Docs
  - 3) PowerPoint
  - 4) Excel
- 45) Which software is used to combine text, images, and audio in an organized layout?
  - 1) + Desktop publishing software
  - 2) Spreadsheet software
  - 3) Graphics software
  - 4) Project management software
- 46) Which type of software is used for creating animations?
  - 1) + Multimedia authoring software
  - 2) Database software
  - 3) PIM software
  - 4) Word processor
- 47) What is the main function of the CPU?
  - 1) Storing data permanently
  - 2) + Executing program instructions
  - 3) Displaying data
  - 4) Managing input and output
- 48) What does ALU stand for in the context of computer hardware?
  - 1) + Arithmetic Logic Unit
  - 2) Applied Logic Unit
  - 3) Analog Linear Unit
  - 4) Advanced Logic User
- 49) Which of these stores the computer's startup instructions?
  - 1) RAM



- 2) Cache
- 3) + ROM
- 4) Hard drive
- 50) Which part of the computer temporarily stores data and instructions during processing?
  - 1) Hard drive
  - 2) + RAM
  - 3) ROM
  - 4) ALU
- 51) What type of memory is volatile and loses its data when power is turned off?
  - 1) ROM
  - 2) + RAM
  - 3) Flash memory
  - 4) Hard disk
- 52) What does the system clock do in a computer?
  - 1) Manages data input
  - 2) + Controls the timing of all computer operations
  - 3) Provides memory storage
  - 4) Manages external devices
- 53) What type of bus is used to connect external devices to the computer?
  - 1) System bus
  - 2) Memory bus
  - 3) + Expansion bus
  - 4) Data bus
- 54) Which of these is a high-speed memory located between the processor and RAM?
  - 1) ROM
  - 2) + Cache
  - 3) Hard disk
  - 4) USB
- 55) What is an adapter card used for in a computer?
  - 1) + To add additional functionality, such as graphics or network capabilities
  - 2) To run the operating system
  - 3) To provide power to external devices
  - 4) To store application software
- 56) Which port is commonly used for connecting a printer?
  - 1) + USB
  - 2) Ethernet
  - 3) HDMI
  - 4) DVI
- 57) What is the function of the motherboard in a computer?
  - 1) Storing programs permanently
  - 2) + Acting as the main circuit board that connects all components
  - 3) Providing extra memory
  - 4) Displaying output to a monitor
- 58) What is the purpose of an expansion slot on the motherboard?
  - 1) To connect to the internet
  - 2) + To allow additional components to be added
  - 3) To control data input
  - 4) To store data
- 59) Which type of memory is often referred to as "secondary storage"?



- 1) RAM
- 2) + Hard drive
- 3) Cache
- 4) Register
- 60) Which component is considered the "brain" of the computer?
  - 1) Motherboard
  - 2) Hard drive
  - 3) + Processor
  - 4) ROM
- 61) What component controls all the operations inside the processor?
  - 1) + Control unit
  - 2) Arithmetic Logic Unit (ALU)
  - 3) System clock
  - 4) Cache
- 62) Which part of the computer provides the main power to other components?
  - 1) Processor
  - 2) Motherboard
  - 3) + Power supply
  - 4) USB port
- 63) What type of connector is commonly used for digital video output to monitors?
  - 1) + HDMI
  - 2) USB
  - 3) Ethernet
  - 4) Serial port
- 64) What does BIOS stand for?
  - 1) + Basic Input Output System
  - 2) Binary Input Output System
  - 3) Basic Integrated Operating System
  - 4) Binary Interactive Operating System
- 65) Which bus transfers data between the CPU and the main memory?
  - 1) Expansion bus
  - 2) + System bus
  - 3) USB
  - 4) Control bus
- 66) What type of memory is used to store the operating system while the computer is on?
  - 1) ROM
  - 2) + RAM
  - 3) Cache
  - 4) BIOS
- 67) What component temporarily holds data being processed by the CPU?
  - 1) + Cache
  - 2) Hard disk
  - 3) ROM
  - 4) Power supply
- 68) What is the main function of input devices?
  - 1) Displaying information
  - 2) + Sending data to the processor for processing
  - 3) Storing data
  - 4) Cooling the computer



- 69) Which of the following is NOT a pointing device?
  - 1) Mouse
  - 2) + Keyboard
  - 3) Trackball
  - 4) Touchpad
- 70) What type of input device is commonly used to enter text?
  - 1) Touch screen
  - 2) + Keyboard
  - 3) Joystick
  - 4) Scanner
- 71) What does OCR stand for in the context of scanners?
  - 1) + Optical Character Recognition
  - 2) Optical Compression Reader
  - 3) Operational Code Recognition
  - 4) Output Character Reader
- 72) Which input device would be used to capture an image of a document?
  - 1) Webcam
  - 2) Microphone
  - 3) + Scanner
  - 4) Stylus
- 73) What type of output device is used to produce printed copies of documents?
  - 1) Monitor
  - 2) + Printer
  - 3) Scanner
  - 4) Microphone
- 74) Which output device displays text and graphics on a screen?
  - 1) + Monitor
  - 2) Speaker
  - 3) Printer
  - 4) Microphone
- 75) Which of the following is used to read information from printed barcodes?
  - 1) Optical mark reader
  - 2) RFID reader
  - 3) + Barcode reader
  - 4) Touchpad
- 76) What type of monitor technology uses liquid crystals to produce images?
  - 1) CRT
  - 2) LED
  - 3) + LCD
  - 4) Plasma
- 77) Which device converts digital signals to sound?
  - 1) Printer
  - 2) + Speaker
  - 3) Scanner
  - 4) Microphone
- 78) What type of printer sprays ink directly onto paper?
  - 1) Laser printer
  - 2) Dot matrix printer
  - 3) + Inkjet printer



- 4) Thermal printer
- 79) Which device is used for input by physically challenged users?
  - 1) + Voice recognition software
  - 2) Scanner
  - 3) Trackball
  - 4) Touchpad
- 80) What device combines scanning, printing, copying, and faxing?
  - 1) Dot matrix printer
  - 2) Inkjet printer
  - 3) + Multifunction printer
  - 4) Thermal printer
- 81) Which of the following is used for long-term data storage?
  - 1) ROM
  - 2) RAM
  - 3) + Hard disk
  - 4) Cache
- 82) What does SSD stand for?
  - 1) Serial Storage Device
  - 2) + Solid State Drive
  - 3) Secure Storage Device
  - 4) System Storage Device
- 83) Which storage device has no moving parts?
  - 1) Hard disk
  - 2) CD-ROM
  - 3) + SSD
  - 4) Floppy disk
- 84) What is RAID technology used for?
  - 1) Storing data temporarily
  - 2) + Increasing data storage reliability and performance
  - 3) Encrypting files
  - 4) Reducing memory requirements
- 85) Which type of storage can be rewritten multiple times?
  - 1) CD-ROM
  - 2) DVD-R
  - 3) CD-R
  - 4) + DVD-RW
- 86) Which technology uses remote servers to store data online?
  - 1) Flash memory
  - 2) SSD
  - 3) + Cloud storage
  - 4) RAM
- 87) Which device is commonly used for portable data transfer?
  - 1) Hard disk
  - 2) + USB flash drive
  - 3) Optical disc
  - 4) SSD
- 88) What type of storage is commonly used in cameras?
  - 1) Magnetic tape
  - 2) SSD



- 3) + Flash memory
- 4) Optical disc
- 89) What is the purpose of a backup?
  - 1) Increasing processing speed
  - 2) + Protecting data by creating a copy
  - 3) Compressing files
  - 4) Improving data transmission
- 90) Which type of storage uses lasers to read and write data?
  - 1) RAM
  - 2) Flash drive
  - 3) + Optical disc
  - 4) SSD
- 91) What is a characteristic of a hard disk drive?
  - 1) + Uses magnetic storage
  - 2) Uses flash memory
  - 3) Requires external power
  - 4) Cannot be used for permanent storage
- 92) Which of the following is volatile storage?
  - 1) ROM
  - 2) Hard disk
  - 3) Cache
  - 4) + RAM
- 93) What is the main difference between HDDs and SSDs?
  - 1) HDDs are faster
  - 2) SSDs have moving parts
  - 3) + SSDs are more durable as they lack moving parts
  - 4) HDDs are lighter
- 94) Which storage device is often used for backups of large data sets?
  - 1) USB flash drive
  - 2) Optical disc
  - 3) + Magnetic tape
  - 4) SSD
- 95) What is the function of an external hard drive?
  - 1) Provides temporary data storage
  - 2) + Stores data permanently outside the computer
  - 3) Manages system processes
  - 4) Runs software applications
- 96) Which device allows for the reading and writing of data using flash memory technology?
  - 1) Hard disk drive
  - 2) Optical disc
  - 3) + USB flash drive
  - 4) Magnetic tape
- 97) What is the primary advantage of cloud storage?
  - 1) Faster than SSDs
  - 2) + Accessible from any device with an internet connection
  - 3) Does not require an internet connection
  - 4) Unlimited storage capacity
- 98) Which device provides the highest data retrieval speed?
  - 1) Magnetic tape



- 2) Hard disk drive
- 3) + SSD
- 4) Optical disc
- 99) Which storage device is commonly used in mobile phones?
  - 1) Hard disk
  - 2) SSD
  - 3) Cloud storage
  - 4) + Flash memory
- 100) What is one disadvantage of using an HDD compared to an SSD?
  - 1) + HDDs are typically slower
  - 2) HDDs are more durable
  - 3) HDDs have no moving parts
  - 4) HDDs are more expensive
- 101) What does NAS stand for in storage technology?
  - 1) + Network Attached Storage
  - 2) Network Access Security
  - 3) New Age Storage
  - 4) Non-Access Storage
- 102) Which storage device is designed for high durability and is often used in rugged environments?
  - 1) Magnetic tape
  - 2) Optical disc
  - 3) + SSD
  - 4) External hard drive
- 103) Which of the following can be rewritten multiple times?
  - 1) CD-R
  - 2) DVD-R
  - 3) Blu-ray ROM
  - 4) + DVD-RW
- 104) Which type of optical disc has the largest storage capacity?
  - 1) CD-ROM
  - 2) DVD
  - 3) + Blu-ray
  - 4) Flash drive
- 105) What is the typical storage capacity range of a USB flash drive?
  - 1) 1–5 MB
  - 2) 100–500 MB
  - 3) + 1–512 GB
  - 4) 1–10 TB
- 106) Which storage medium is known for being durable and resistant to data loss over long periods?
  - 1) RAM
  - 2) + Magnetic tape
  - 3) SSD
  - 4) Cloud storage
- 107) What is the primary purpose of a storage area network (SAN)?
  - 1) To provide internet connectivity
  - 2) + To store large amounts of data in a centralized location
  - 3) To manage local storage on a single computer
  - 4) To provide high-speed processor functions
- 108) What storage technology uses memory cards to store data?



- 1) Magnetic storage
- 2) Optical storage
- 3) + Flash storage
- 4) Cloud storage
- 109) Which of the following is a non-volatile storage medium?
  - 1) + ROM
  - 2) RAM
  - 3) Cache
  - 4) Virtual memory
- 110) Which of the following is typically faster?
  - 1) Optical disc
  - 2) + SSD
  - 3) Hard disk drive
  - 4) Magnetic tape
- 111) What is the purpose of defragmenting a hard drive?
  - 1) Removing malware
  - 2) + Organizing fragmented data for faster access
  - 3) Encrypting data
  - 4) Deleting unnecessary files
- 112) Which storage device is rewritable and can be used for portable storage?
  - 1) CD-ROM
  - 2) DVD-R
  - 3) + USB flash drive
  - 4) Blu-ray
- 113) What storage technology is typically used in data centers for high reliability?
  - 1) Flash drives
  - 2) Magnetic tape
  - 3) SSDs
  - 4) + Hard drives configured in RAID
- 114) What is the purpose of formatting a storage device?
  - 1) Increasing data storage capacity
  - 2) + Organizing the device to store data in a new file system
  - 3) Preventing malware attacks
  - 4) Accelerating data processing
- 115) Which type of drive is commonly used to install operating systems in new computers?
  - 1) + SSD
  - 2) DVD-ROM
  - 3) Magnetic tape
  - 4) USB flash drive
- 116) What does a Blu-ray disc offer compared to a DVD?
  - 1) + Higher storage capacity
  - 2) Lower cost
  - 3) Faster access time
  - 4) Lower data quality
- 117) What is commonly used as backup storage for personal data?
  - 1) SSD
  - 2) + Cloud storage
  - 3) ROM
  - 4) Processor



- 118) What type of storage device is most often used for large-scale enterprise data storage?
  - 1) DVD
  - 2) + RAID system
  - 3) Blu-ray
  - 4) RAM
- 119) Which of these storage devices is erasable and reusable?
  - 1) CD-ROM
  - 2) DVD-R
  - 3) + SSD
  - 4) CD-R
- 120) What type of storage provides the fastest data access times?
  - 1) + RAM
  - 2) Hard drive
  - 3) USB flash drive
  - 4) DVD
- 121) What is the binary representation of the decimal number 25?
  - 1) + 11001
  - 2) 10101
  - 3) 11100
  - 4) 10011
- 122) Convert the binary number 11011 to decimal.
  - 1) 25
  - 2) + 27
  - 3) 29
  - 4) 31
- 123) What is the hexadecimal equivalent of the binary number 111100?
  - 1) 3C
  - 2) + 3E
  - 3) 3F
  - 4) 3D
- 124) Convert the decimal number 45 to octal.
  - 1) 55
  - 2) 54
  - 3) 53
  - 4) + 52
- 125) What is the decimal equivalent of the hexadecimal number 2F?
  - 1) + 47
  - 2) 46
  - 3) 45
  - 4) 48
- 126) Convert the binary number 10101 to hexadecimal.
  - 1) + 15
  - 2) 1C
  - 3) 1A
  - 4) 1D
- 127) What is the octal representation of the decimal number 100?
  - 1) 134
  - 2) + 144
  - 3) 154



- 4) 164
- 128) What is the binary equivalent of the octal number 27?
  - 1) 10011
  - 2) 11011
  - 3) + 10111
  - 4) 11111
- 129) Convert the hexadecimal number 1C to binary.
  - 1) + 11100
  - 2) 10110
  - 3) 10010
  - 4) 11010
- 130) What is the decimal equivalent of the binary number 11010?
  - 1) 26
  - 2) + 24
  - 3) 28
  - 4) 22
- 131) Convert the octal number 72 to decimal.
  - 1) + 58
  - 2) 60
  - 3) 50
  - 4) 56
- 132) What is the binary representation of the decimal number 33?
  - 1) 10001
  - 2) 10011
  - 3) + 100001
  - 4) 110001
- 133) Convert the binary number 1111 to hexadecimal.
  - 1) E
  - 2) D
  - 3) + F
  - 4) 10
- 134) What is the octal representation of the hexadecimal number B?
  - 1) 11
  - 2) 12
  - 3) + 13
  - 4) 14
- 135) Convert the decimal number 100 to hexadecimal.
  - 1) 66
  - 2) 63
  - 3) + 64
  - 4) 62
- 136) What is the hexadecimal equivalent of the decimal number 45?
  - 1) + 2D
  - 2) 2E
  - 3) 2F
  - 4) 20
- 137) Convert the hexadecimal number 4A to binary.
  - 1) 100110
  - 2) 1001101



- 3) + 1001010
- 4) 101000
- 138) What is the decimal equivalent of the octal number 123?
  - 1) + 77
  - 2) 81
  - 3) 83
  - 4) 120
- 139) What is the binary equivalent of the octal number 45?
  - 1) 101010
  - 2) + 100101
  - 3) 110101
  - 4) 111001
- 140) Convert the binary number 11001 to octal.
  - 1) + 31
  - 2) 32
  - 3) 30
  - 4) 27
- 141) What is the hexadecimal representation of the octal number 76?
  - 1) + 3E
  - 2) 36
  - 3) 3C
  - 4) 3D
- 142) Convert the decimal number 57 to binary.
  - 1) 111000
  - 2) 111010
  - 3) + 110111
  - 4) 111001
- 143) What is the octal equivalent of the binary number 101010?
  - 1) + 52
  - 2) 51
  - 3) 53
  - 4) 54
- 144) What is the decimal equivalent of the hexadecimal number 5C?
  - 1) 92
  - 2) + 94
  - 3) 96
  - 4) 90
- 145) Convert the octal number 57 to hexadecimal.
  - 1) + 2D
  - 2) 2E
  - 3) 3A
  - 4) 38