

Introduction to Information Technology

1. The general term for a slower speed network which spans a very long distance is a:
 - A. LAN
 - B. MAN
 - C. WAN
 - D. PAN

2. The main difference between a switch (or bridge) and a hub is that a switch also lies within the _____ layer of the OSI model.
 - A. session
 - B. layer 2
 - C. routing
 - D. network

3. Which one of the following statements is not true about Wide Area Networks (WANs)?
 - A. WANs typically use public transports for connectivity.
 - B. WANs typically have greater bandwidth capacities than LANs.
 - C. WANs usually use a router for connectivity.
 - D. WANs cover larger geographic areas than LANs.

4. A server-based network usually involves one or more:
 - A. LANs
 - B. hubs
 - C. switches
 - D. servers

5. Which one of the following devices forwards incoming traffic to all ports except for the incoming port?
 - A. router
 - B. repeater
 - C. hub
 - D. bridge

6. The main function of a firewall is:
 - A. to make Internet connections faster
 - B. to prevent unauthorized access to your network
 - C. the weakening of data signals as they travel through a media
 - D. to directly shield viruses

7. Broadband transmissions refer to what kind of signal?
 - A. Digital

- B. Asynchronous
- C. Analog
- D. Synchronous

8. A Token Ring network uses what device to connect to workstations?

- A. MSAU
- B. Hub
- C. Repeater
- D. Switch

9. The primary responsibility of the Network OSI layer is:

- A. flow control
- B. data synchronization
- C. media connectors
- D. routing

10. A connection-oriented protocol guarantees what?

- A. fast bandwidth
- B. delivery of data
- C. high Security
- D. error free transmissions

11. There are _____ layers in the OSI Model.

- A. nine
- B. eight
- C. six
- D. seven

12. Email and FTP work at which layer of the OSI model?

- A. Application
- B. Session
- C. Presentation
- D. User

13. The most popular type of network architecture is _____.

- A. FDDI
- B. ARC net
- C. Ethernet
- D. WAN

14. Which of the following is not a network topology?

- A. star

- B. Bus
- C. Link
- D. mesh

15. The service required for a system in a Windows Domain to access a resource in a Netware domain is called:

- A. File and Print Services for Netware (FPNW)
- B. Host Services for Netware (HSNW)
- C. Netware Services for Gateway (GSNW)
- D. Gateway Service for Netware (GSNW)

16. Most operating systems use a(n) _____ files system in which files are organized in a tree-like structure.

- A. Linux
- B. Hierarchical
- C. NFTS
- D. Unix

17. The _____ is often very different from one operating system to the next, sometimes even between different versions of the same operating system.

- A. Process Manager
- B. File Manager
- C. User Interface
- D. Memory Manager

18. A _____ chip holds software that is used to start the computer.

- A. RAM
- B. buffer
- C. CPU
- D. ROM

19. Each peripheral device has its own software, called a(n), which contains the detailed instructions required to start that device, allocate it to a job, use the device correctly, and deallocate it when it's appropriate.

- A. device handler
- B. device driver
- C. device controller
- D. device software

20. The name for the core portion of an operating system is the:

- A. nucleus
- B. center

- C. kernel
- D. manager

21. _____ allows separate partitions of a single server to support different operating systems.

- A. Multiprocessing
- B. Virtualization
- C. Multithreading
- D. Shared processing

22. With the development of _____ technology, a single chip was equipped with two or more processor cores.

- A. networking
- B. multicore
- C. multiprogramming
- D. multimedia

23. The purpose of cache memory is to keep handy the most recently accessed data and instructions so that the CPU can access them repeatedly without wasting time. This purpose is similar to that of the:

- A. cache file
- B. page file
- C. bookmark file
- D. block file

24. Cache memory is divided into blocks of equal size called:

- A. partitions
- B. segments
- C. pages
- D. slots

25. Main memory also is known as:

- A. finite memory
- B. single-user memory
- C. virtual memory
- D. random access memory

26. One approach to performing compaction is to do it when a certain _____ of memory becomes busy.

- A. bit
- B. byte
- C. area
- D. percentage

27. 1024 megabytes equals:

- A. nanosecond
- B. gigabyte
- C. MISSING ANSWER
- D. kilobyte

28. Approximately how many bytes make one megabyte?

- A. one million
- B. one hundred
- C. one thousand
- D. ten thousand

29. OS computer abbreviation usually means:

- A. Operating System
- B. Order of Significance
- C. Optical Sensor
- D. Open Software

30. The_____ uniquely identifies each resource, starts its operation, monitors its progress, and, finally locates it making the operating system available to the next waiting process.

- A. Memory Manager
- B. Keyboard Manager
- C. File Manager
- D. Device Manager

31. Who developed a code for transmission of telegraphic information using sequences of long and short elements to represent letters, numerals, punctuation, and special characters?

- A. Alexander Graham Bell
- B. Elisha Gray
- C. James Lindsay
- D. Samuel Morse

32. Which one of the following signals is characterized by having the potential for infinite signal resolution and high density yet has noise and signal loss problems?

- A. aneroid
- B. analog
- C. digital
- D. cardiod

33. Which type of microphone, also known as a capacitor or electrostatic microphone, has a diaphragm that acts as one plate of a capacitor and vibrations produce changes in distance between the plates?

- A. dynamic
- B. condenser

- C. carbon
- D. piezoelectric

34. Which type of microphone works by using electromagnetic induction and is relatively inexpensive and resistant to moisture?

- A. condenser
- B. piezoelectric
- C. carbon
- D. dynamic

35. When referring to signal response, which is generally considered to be a perfect sphere in three dimensions?

- A. bi-directional
- B. cardioid
- C. shotgun
- D. omnidirectional

36. Which signal sensitivity pattern is so named for its heart-shaped pattern?

- A. synchronous
- B. cardioid
- C. omnidirectional
- D. bi-directional

37. What is the common term for combining many analog or digital signals and forwarding the selected input into a single line?

- A. demultiplexing
- B. demodulation
- C. modulation
- D. multiplexing

38. What is the term for the change in frequency of a wave for an observer moving relative to the source of the waves as is most commonly heard when a vehicle sounding a siren or horn approaches, passes, and recedes?

- A. Coriolis effect
- B. divergence
- C. Doppler effect
- D. convergence

39. What is the term for headphones which sit on top of the ears rather than around them?

- A. earbuds
- B. canalphones
- C. circumaural

D. supra-aural

40. Spamming is very poor Netiquette and means:

- A. sending in lines of nonsensical garbage in a chat conversation
- B. posting or emailing unsolicited advertising messages to a wide audience
- C. spilling the juice of meat-by products into your keyboard
- D. posting a message that contains graphics descriptions of something really gross

41. A set of programs through which the computer manages its own resources such as the central processing unit, memory, secondary storage devices, and input/output devices.

- A. Applications software
- B. Integrated software
- C. Operating systems software
- D. Bundled software

42. When you change the color and background of a chart in a spreadsheet you are:

- A. scanning
- B. merging
- C. formatting
- D. calculating

43. Which feature of your word processing program would be used to send a form letter to a group of names and addresses:

- A. Sort and Send
- B. Spell Check
- C. View
- D. Mail Merge

44. Which one of the following is an example of an image file?

- A. .mp3
- B. .exe
- C. .html
- D. .jpeg

45. Copying copyright protected software and giving it to others for free is:

- A. a civil act
- B. a criminal act
- C. always allowed
- D. fair use

46. To run power hungry programs such as video editing software the computer needs a lot of:

- A. video files

- B. RAM
- C. ROM
- D. REM

47. The connecting of computers so that information can be shared is called:

- A. spamming
- B. networking
- C. phishing
- D. surfing

48. When planning a database, what is the first step?

- A. change the page layout
- B. select fields
- C. select a font
- D. select a background color

49. Software programs or hardware devices setup to protect computers while online are called:

- A. browsers
- B. cookies
- C. firewalls
- D. filter

50. Which one of the following is an output device:

- A. keyboard
- B. mouse
- C. printer
- D. microphone

51. Which one of the following would be used to compute the average score of four tests using a spreadsheet?

- A. a compilation
- B. a calculator
- C. a formula
- D. a nerdy friend

52. The part of a word processing document used to display repetitive information such as titles, dates, and page numbers is:

- A. page display
- B. search and replace
- C. cut and paste
- D. header and footer

53. The blinking line, box, or arrow on the computer screen is called the:

- A. world wide web
- B. cursor
- C. graphic
- D. mouse

54. What part of a window shows the name of the program you opened?

- A. Ribbon
- B. Quick Access toolbar
- C. Scroll bar
- D. Title bar

55. A _____ is a container that helps you organize your files.

- A. taskbar
- B. file
- C. folder
- D. window

56. Some programs have _____, words you click to show lists of commands.

- A. ribbons
- B. groups
- C. toolbars
- D. menus

57. When you _____ a file, the file is transferred to the new location and no longer exists in its original location,

- A. backup
- B. paste
- C. move
- D. copy

58. You move a file using which commands?

- A. cut and paste
- B. copy and paste
- C. delete
- D. install

59. You should give folders _____ names that help you easily to identify them.

- A. uniform
- B. identical
- C. similar
- D. unique

60. Which one of the following is a set of instructions written for a computer?

- A. log it
- B. user account
- C. program
- D. password

61. A _____ is a list of related commands.

- A. button
- B. group
- C. menu
- D. dialog box

62. The act of giving an instruction to your computer either by menu choice or keystroke.

- A. File
- B. Download
- C. Command
- D. Finder

63. Pressing _____ at the end of a row moves the insertion point to the first cell in the next row.

- A. Spacebar
- B. Tab
- C. Ctrl
- D. Enter

64. The following command is used to locate work with a subset of data in a worksheet.

- A. filter
- B. freeze panes
- C. template
- D. sort

65. _____ go horizontally-a side-by-side layout of boxes.

- A. Columns
- B. Grids
- C. Cell
- D. Rows

66. A group or block of cells in a spreadsheet.

- A. Data Range
- B. Cell Range
- C. Cell Address
- D. Ledger

67. A _____ is a group of cells that form a rectangle on the screen.

- A. column
- B. range
- C. workbook
- D. label

68. This icon allows you to insert colorful cartoon like pictures in slides.

- A. Picture icon
- B. Clip Art
- C. Pic icon
- D. Cartoon art

69. The standard toolbar is located underneath the:

- A. task pane
- B. drawing toolbar
- C. formatting toolbar
- D. menu bar

70. Labels are aligned at the _____ edge of the cell.

- A. top bottom
- B. right
- C. left
- D. bottom top

71. What command will remove a file from the hard drive of a computer?

- A. Paste
- B. Copy
- C. Save
- D. Delete

72. The accepted standard for accessing an applications help system is to press the _____ key on the keyboard.

- A. F12
- B. H
- C. F1
- D. F11

73. Rotational hard disk drives are typically _____ than solid state drives.

- A. more expensive
- B. smaller
- C. faster

D. slower

74. Solid State Disk (SSD) hard drives generally have the advantage of _____ over conventional rotational drives.

- A. larger size
- B. faster speed
- C. more vibration
- D. lower cost

75. To transfer data from one computer to another computer.

- A. downloading
- B. copying
- C. booting
- D. uploading

76. To send a file from one computer to another through a network.

- A. download
- B. upload
- C. batch
- D. boot

77. This is another name for secondary storage.

- A. auxiliary storage
- B. density
- C. memory
- D. cylinder storage

78. The pointer, usually arrow or cross shaped, which is controlled by the mouse.

- A. cursor
- B. codes
- C. diagram
- D. symbol

79. An add-on component to your computer.

- A. software
- B. hardware
- C. application
- D. peripheral

80. Which one of the following is an example of a peripheral?

- A. port
- B. desktop

- C. spreadsheet
- D. scanner

81. What step of information processing sends the information back to you in the manner you need it?

- A. output
- B. storage
- C. distribution
- D. input

82. A port that allows data to be transmitted in a series one after the other, such as the printer and modem ports on a computer.

- A. SCSI port
- B. LPT1 port
- C. serial port
- D. PCI

83. A copy of a file or disk you make for archiving purposes.

- A. disk
- B. backup
- C. hard drive
- D. compiler

84. A program that allows you to change settings in a program.

- A. control panel
- B. application
- C. compiler
- D. finder

85. What is a subdivision of a hard drive's surface that is defined and used as a separate drive?

- A. popup menu
- B. partition
- C. divider
- D. palette

86. The _____ is the brain of the computer.

- A. motherboard
- B. CPU
- C. hard drive
- D. RAM

87. _____ offer the advantage of being instant-on machines with long battery life but typically have limited storage and alternative operating systems.

- A. Servers
- B. Desktops
- C. Tablet computers
- D. Laptop computers

88. _____ are output devices which allow for sound to be produced.

- A. Printers
- B. Microphones
- C. Speakers
- D. Scanners

89. If over time a print device's output becomes lighter and lighter, it may be time to:

- A. replace the toner cartridge
- B. reinstall the drivers
- C. clean the device
- D. unplug the device

90. _____ are devices which read media from CD or DVD media.

- A. Hard drives
- B. SSD's
- C. Scanners
- D. Optical devices

91. _____ is the term used to describe malware that appears, to the user, to perform a desirable function but facilitates unauthorized access to the user's computer system.

- A. Trojan
- B. Rootkit
- C. Worm
- D. Spam

92. A software package which automatically plays, displays, or downloads advertisements to a computer after the software is installed or while the application is being used is known as:

- A. Spam
- B. Virus
- C. Trojan
- D. Adware

93. What type of malware installed on computers collects information about users without their knowledge?

- A. Spyware
- B. Adware
- C. Ad-Aware

D. Antivirus

94. What is the term for a computer attached to the Internet that has been compromised by a hacker, a computer virus, or a Trojan horse?

- A. zombie
- B. brick
- C. client
- D. node

95. Who had the Internet first?

- A. schools and hospitals
- B. individuals
- C. financial institutions
- D. military

96. What does URL mean?

- A. world wide web
- B. Universal Resource Locator also known as the address
- C. an http
- D. air well

97. _____ is a group of people using social media tools and sites on the internet.

- A. Bloggers
- B. Hyper-local community
- C. Online community
- D. Citizens

98. _____ is an electronic version of a traditional printed book that can be download from the Internet and read on your computer or handheld device.

- A. Blog
- B. EBook
- C. Drupal
- D. Digital Story

99. Which is not a web browser?

- A. Netscape Communicator
- B. File Zilla
- C. Google Chrome
- D. Internet Explorer

100. TCP stands for:

- A. Transistor Control Protocol

- B. Transmission Control Protocol
- C. Transfer Control Peripheral
- D. Transmission Control Program

Answers

- | | | |
|-------|-------|--------|
| 1. C | 41. C | 81. A |
| 2. B | 42. C | 82. C |
| 3. B | 43. D | 83. B |
| 4. C | 44. D | 84. A |
| 5. C | 45. B | 85. B |
| 6. B | 46. B | 86. B |
| 7. C | 47. B | 87. C |
| 8. A | 48. B | 88. C |
| 9. D | 49. C | 89. A |
| 10. B | 50. C | 90. D |
| 11. D | 51. C | 91. A |
| 12. A | 52. D | 92. D |
| 13. C | 53. B | 93. A |
| 14. B | 54. D | 94. A |
| 15. D | 55. C | 95. D |
| 16. B | 56. D | 96. B |
| 17. C | 57. C | 97. C |
| 18. D | 58. A | 98. B |
| 19. B | 59. D | 99. B |
| 20. C | 60. C | 100. B |
| 21. B | 61. C | |
| 22. B | 62. C | |
| 23. C | 63. B | |
| 24. D | 64. A | |
| 25. D | 65. D | |
| 26. B | 66. B | |
| 27. B | 67. B | |
| 28. A | 68. B | |
| 29. A | 69. D | |
| 30. D | 70. C | |
| 31. D | 71. D | |
| 32. B | 72. C | |
| 33. B | 73. D | |
| 34. D | 74. B | |
| 35. D | 75. A | |
| 36. B | 76. B | |
| 37. D | 77. C | |
| 38. C | 78. A | |
| 39. D | 79. D | |
| 40. A | 80. D | |