

Computer Networking

1. What is a LAN?
- A. Local Area Network
 - B. Long Area Network
 - C. Large Area Network
 - D. Little Area Network

ANSWER: A

2. What is a WAN?
- A. Wide Area Network
 - B. Wireless Area Network
 - C. Web Area Network
 - D. World Area Network

ANSWER: A

3. What is an IP address?
- A. A unique identifier assigned to each device on a network
 - B. A type of software
 - C. A hardware component
 - D. A network protocol

ANSWER: A

4. What is a broadband connection?
- A. A high-speed internet connection
 - B. A type of software
 - C. A hardware component
 - D. A network protocol

ANSWER: A

5. What is network security?
- A. Protecting a computer from Overheating
 - B. Protecting a network from unauthorized access
 - C. Ensuring network performance
 - D. Managing network devices

ANSWER: B

6. What is a network topology?
- A. The physical or logical arrangement of network devices
 - B. The speed of data transmission
 - C. The type of network media used
 - D. The number of devices on a network

ANSWER: A

7. What is baseband transmission?
- A. Transmission of a single signal over a communication channel
 - B. Transmission of multiple signals over a communication channel
 - C. A type of modulation technique
 - D. A type of network topology

ANSWER: A

8. What is broadband transmission?
- A. Transmission of a single signal over a communication channel
 - B. Transmission of multiple signals over a communication channel
 - C. A type of modulation technique
 - D. A type of network topology

ANSWER: B

9. Which of the following is an example of baseband transmission?

- A. Ethernet
- B. Cable TV
- C. DSL
- D. Wi-Fi

ANSWER: A

10. What is UDP?

- A. User Datagram Protocol
- B. Universal Datagram Protocol
- C. Unified Datagram Protocol
- D. Unique Datagram Protocol

ANSWER: A

11. When is UDP used?

- A. For real-time applications like video streaming
- B. For file transfer
- C. For email
- D. For secure data transmission

ANSWER: A

12. What is the advantage of UDP over TCP?

- A. Faster
- B. More reliable
- C. Better error checking
- D. More secure

ANSWER: A

13. What is the disadvantage of UDP?

- A. Less reliable
- B. Slower
- C. More complex
- D. Higher overhead

ANSWER: A

14. What is IP?

- A. Internet Protocol
- B. Internal Protocol
- C. Integrated Protocol
- D. Internet Program

ANSWER: A

15. What is the function of IP?

- A. Delivering data packets from source to destination
- B. Managing network addresses
- C. Providing reliable data transmission
- D. Ensuring data security

ANSWER: A

16. What is POP?

- A. Post Office Protocol
- B. Public Office Protocol
- C. Private Office Protocol
- D. Personal Office Protocol

ANSWER: A

17. What is the function of POP?

- A. Retrieving emails from a mail server
- B. Sending emails
- C. Managing email accounts
- D. Filtering spam

ANSWER: A

18. What is IMAP?

- A. Internet Message Access Protocol
- B. Integrated Message Access Protocol
- C. Interactive Message Access Protocol
- D. Independent Message Access Protocol

ANSWER: A

19. What is an HTTP method?

- A. A type of web browser
- B. A way to interact with web servers
- C. A network protocol
- D. A type of web application

ANSWER: B

20. What is a modem?

- A. A device that modulates and demodulates signals for data transmission
- B. A network device that connects multiple devices together
- C. A device that amplifies network signals
- D. A device that converts digital signals to analog signals

ANSWER: A

21. What is a repeater?

- A. A device that amplifies and regenerates network signals
- B. A network device that connects multiple devices together
- C. A device that directs data packets to their destination
- D. A device to convert analog signals to digital signals

ANSWER: A

22. What is port 80 used for?

- A. HTTP
- B. FTP
- C. SMTP
- D. DNS

ANSWER: A

23. What is port 25 used for?

- A. HTTP
- B. FTP
- C. SMTP
- D. DNS

ANSWER: C

24. What is the OSI model?

- A. A physical network topology
- B. A reference model for network communication
- C. A network protocol
- D. A type of network device

ANSWER: B

25. Which layer of the OSI model is responsible for physical transmission of data?

- A. Physical layer
- B. Data link layer
- C. Network layer
- D. Transport layer

ANSWER: A

26. What is the TCP/IP model?

- A. A simplified version of the OSI model
- B. A proprietary network protocol
- C. A hardware component
- D. A type of network topology

ANSWER: A

27. What does ARP stand for in networking?

- A. Address Resolution Protocol
- B. Advanced Routing Protocol
- C. Address Reallocation Protocol
- D. Automatic Resolution Protocol

ANSWER: A

28. What does RADIUS stand for?
- A. Remote Authentication Dial-In User Service
 - B. Routing and Addressing Dial-Up System
 - C. Remote Access Directory User System
 - D. Reliable Authentication Database User Service

ANSWER: A

29. Which protocol is used to dynamically assign IP addresses to devices on a network?
- A. ARP
 - B. RARP
 - C. DHCP
 - D. ICMP

ANSWER: C

30. What is a firewall?
- A. A hardware or software security system that monitors incoming and outgoing network traffic
 - B. A type of antivirus software
 - C. A program that scans for viruses
 - D. A device that protects against hardware failures

ANSWER: A

31. What is phishing?
- A. A type of malware
 - B. A social engineering tactic used to steal personal information
 - C. A hardware failure
 - D. A network error

ANSWER: B

32. What is a spam email?
- A. An unwanted email
 - B. A virus-infected email
 - C. A legitimate email
 - D. A type of antivirus software

ANSWER: A

33. What is the primary function of a firewall?
- A. Preventing unauthorized access to a network
 - B. Speeding up internet connections
 - C. Protecting against hardware failures
 - D. Improving computer performance

ANSWER: A

34. What are the two main types of firewalls?
- A. Hardware and software
 - B. Internal and external
 - C. Public and private
 - D. Static and dynamic

ANSWER: A

35. What is a web browser?
- A. A software application used to access the internet
 - B. A type of hardware
 - C. A network protocol
 - D. A computer operating system

ANSWER: A

36. What is a URL?
- A. Uniform Resource Locator
 - B. Universal Resource Link
 - C. Unique Resource Locator
 - D. United Resource List

ANSWER: A

37. What is demodulation?

- A. The process of converting digital signals into analog signals
- B. The process of converting analog signals into digital signals
- C. The process of amplifying signals
- D. The process of filtering signals

ANSWER: B

38. Which of the following is an example of broadband transmission?

- A. Ethernet
- B. Cable TV
- C. DSL
- D. All of the above

ANSWER: D

39. What is the advantage of broadband transmission over baseband transmission?

- A. Higher data rate
- B. Better error correction
- C. Less noise
- D. All of the above

ANSWER: D

40. What is a twisted pair cable?

- A. A type of wired transmission media
- B. A type of wireless transmission media
- C. A network device
- D. A software application

ANSWER: A

41. What is a coaxial cable?

- A. A type of wired transmission media
- B. A type of wireless transmission media
- C. A network device
- D. A software application

ANSWER: A

42. What is a fiber optic cable?

- A. A type of wired transmission media
- B. A type of wireless transmission media
- C. A network device
- D. A software application

ANSWER: A

43. What is a wireless transmission media?

- A. A physical path for data transmission without using wires
- B. A type of wired transmission media
- C. A network device
- D. A software application

ANSWER: A

44. What is radio wave transmission?

- A. A type of wireless transmission media
- B. A type of wired transmission media
- C. A network device
- D. A software application

ANSWER: A

45. What is the difference between a straight-through and crossover cable?

- A. The arrangement of wire pairs in the connectors
- B. The length of the cable
- C. The type of connector used
- D. The speed of data transmission

ANSWER: A

46. What is microwave transmission?

- A. A type of wireless transmission media
- B. A type of wired transmission media
- C. A network device
- D. A software application

ANSWER: A

47. What is infrared transmission?

- A. A type of wireless transmission media
- B. A type of wired transmission media
- C. A network device
- D. A software application

ANSWER: A

48. What is satellite communication?

- A. A type of wireless transmission media
- B. A type of wired transmission media
- C. A network device
- D. A software application

ANSWER: A

49. What is bandwidth?

- A. The amount of data that can be transmitted over a communication channel in a given amount of time
- B. The distance between two points on a network
- C. The number of devices connected to a network
- D. The type of network topology

ANSWER: A

50. What is latency?

- A. The time it takes for a data packet to travel from one point to another
- B. The amount of data that can be transmitted over a communication channel in a given amount of time
- C. The error rate of a communication channel
- D. The type of network topology

ANSWER: A

51. What is throughput?

- A. The actual data rate achieved in a communication system
- B. The theoretical maximum data rate of a communication channel
- C. The time it takes for a data packet to travel from one point to another
- D. The error rate of a communication channel

ANSWER: A

52. What is the difference between FTP and SFTP?
- A. SFTP is secure, FTP is not
 - B. SFTP is faster than FTP
 - C. SFTP is used for file sharing, FTP is used for email
 - D. There is no difference

ANSWER: A

56. What is the primary function of a firewall in a network?
- A. Connecting devices
 - B. Filtering incoming and outgoing traffic
 - C. Amplifying signals
 - D. Converting digital signals

ANSWER: B

53. How many layers are there in the OSI model?
- A. 5
 - B. 7
 - C. 9
 - D. 11

ANSWER: B

57. Which device can operate at both the Data Link and Network layers of the OSI model?
- A. Switch
 - B. Hub
 - C. Router
 - D. Bridge

ANSWER: C

54. What is an ISP?
- A. A company that provides internet access
 - B. A software application for internet browsing
 - C. A type of network hardware
 - D. A network protocol

ANSWER: A

58. What device is used to boost signals in a wireless network?
- A. Access Point
 - B. Router
 - C. Repeater
 - D. Firewall

ANSWER: C

55. What is broadband internet?
- A. A high-speed internet connection
 - B. A low-speed internet connection
 - C. A type of wireless connection
 - D. A type of wired connection

ANSWER: A

59. Which device enables communication between devices in different VLANs?
- A. Router
 - B. Switch
 - C. Bridge
 - D. Hub

ANSWER: A

60. Which device is primarily used to block unauthorized access to a network?

- A. Router
- B. Switch
- C. Firewall
- D. Repeater

ANSWER: C

64. Which type of VPN connects remote users to a corporate network?

- A. Site-to-Site VPN
- B. Client-to-Site VPN
- C. Extranet VPN
- D. Intranet VPN

ANSWER: B

61. Which security protocol is used to secure wireless networks?

- A. HTTP
- B. FTP
- C. WEP
- D. WPA2

ANSWER: D

65. Which type of communication occurs in real-time, where both sender and receiver must be active simultaneously?

- A. Synchronous Communication
- B. Asynchronous Communication
- C. Broadcast Communication
- D. Multicast Communication

ANSWER: A

62. Which method is used to verify the identity of a user attempting to access a network?

- A. Content filtering
- B. Authentication
- C. Encryption
- D. Phishing

ANSWER: B

66. What is the primary purpose of a network?

- A. To share resources
- B. To play games
- C. To watch videos
- D. To send emails

ANSWER: A

63. What is the primary function of a network firewall?

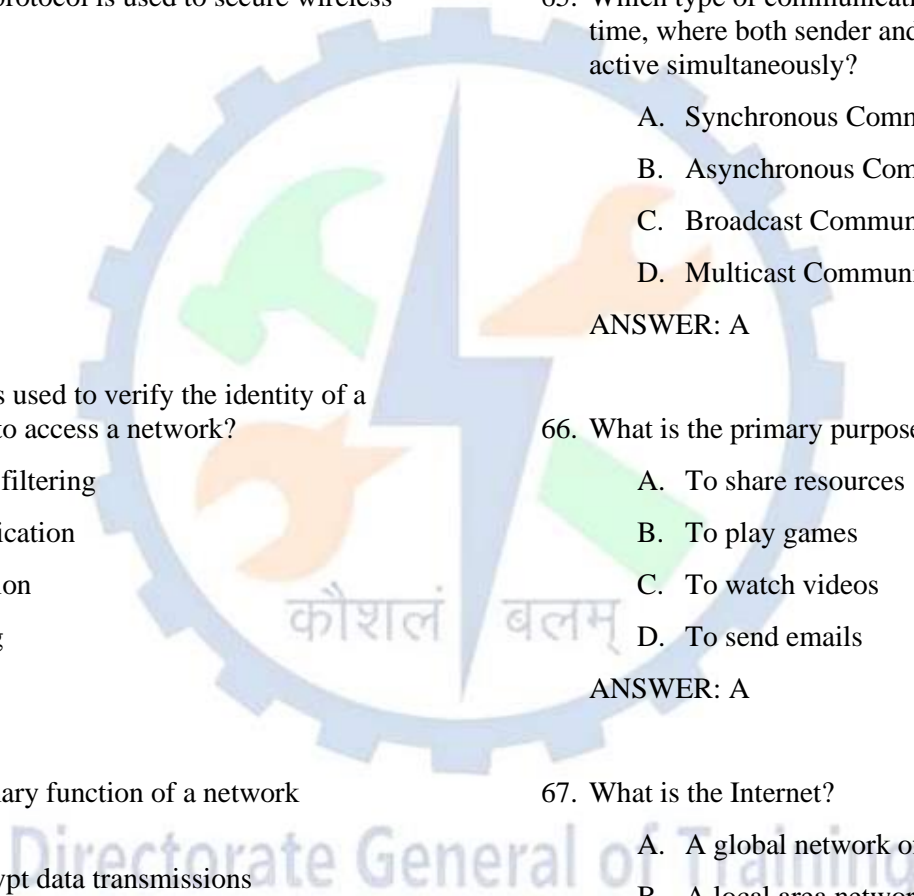
- A. To encrypt data transmissions
- B. To filter incoming and outgoing network traffic
- C. To store and forward data packets
- D. To manage network connections

ANSWER: B

67. What is the Internet?

- A. A global network of computers
- B. A local area network
- C. A type of software
- D. A hardware component

ANSWER: A



68. What is a network?

- A. A collection of interconnected devices
- B. A single computer
- C. A software application
- D. A type of hardware

ANSWER: A

69. What is a VPN?

- A. Virtual Private Network
- B. Very Private Network
- C. Video Private Network
- D. Voice Private Network

ANSWER: A

70. What is hyper terminal ?

- A. Hyper Terminal is a communications software to connect and transfer files between the two computers.
- B. It a media player
- C. It is a antivirus
- D. Something else

ANSWER: A

71. What is Hypernet?

- A. Hypernet is a parallel computing protocol
- B. Takes advantage of idle computing power on a network of decentralized devices.
- C. Hypernet connects network of devices in order to reduce computing time.
- D. All of the mentioned

ANSWER: D

72. Telnet is used for _____

- A. Television on net
- B. Network of Telephones
- C. Remote Login
- D. Teleshopping site

ANSWER: C

73. For which operating system, Absolute Telnet is a telnet client?

- A. windows
- B. linux
- C. mac
- D. ubuntu

ANSWER: A

74. Which level do the gateways route at?

- A. Physical level
- B. Network-level
- C. Application-level
- D. Transport level

ANSWER: B

75. TeamViewer was founded in Goppingen, Germany in _____

- A. 2004
- B. 2005
- C. 2006
- D. 2007

ANSWER: B

76. Which is a good way of flushing potentially sensitive information?

- A. Depleting
- B. Moving
- C. Clearing Cache
- D. None

ANSWER: C

77. Who provides the path for enterprise mode site list to overcome compatibility issues?

- A. Enterprise mode site list path
- B. site list path
- C. Enterprise browser path
- D. Site path

ANSWER: A

78. The purpose of a web browser?

- A. To fetch information resources from the Web and display them on a user's device.
- B. To fetch information resources from the Web.
- C. To delete the cookies
- D. None

ANSWER: A

79. What is populating the inbox of any targeted victim with junk emails?

- A. Phishing
- B. Spamming
- C. DoA
- D. DoS

ANSWER: B

80. What is routing?

- A. A path for sending packets through one network to another network.
- B. The way of arranging the OSI model.
- C. The path defining the dropping of the packets.
- D. The path through which the network is accessed.

ANSWER: A

81. Which route's IP is always 127.0.0.1?

- A. Broadcast route
- B. Default route
- C. Local route
- D. loopback route

ANSWER: D

82. What kind of routing is TCP/IP?

- A. Dynamic
- B. Static
- C. Neither A nor B
- D. Either static or dynamic

ANSWER: D

83. Which VPN type is best suited for a company that wants to securely connect its remote branch offices?

- A. Client-to-Site VPN
- B. Site-to-Site VPN
- C. Intranet VPN
- D. Extranet VPN

ANSWER: B

84. What is the purpose of the vlan database command on a switch?
- A. To display the VLANs configured on the switch
 - B. To enter VLAN configuration mode
 - C. To create a new VLAN
 - D. To delete a VLAN

ANSWER: B

85. Which type of tunneling encapsulates one type of protocol within another to enable secure communication?
- A. HTTP Tunneling
 - B. GRE Tunneling
 - C. VPN Tunneling
 - D. Proxy Tunneling

ANSWER: C

86. What is the POST method used for?
- A. Retrieving data from a server
 - B. Sending data to a server
 - C. Updating data on a server
 - D. Deleting data from a server

ANSWER: B

87. What is the purpose of port 110?
- A. HTTP
 - B. FTP
 - C. POP3
 - D. SMTP

ANSWER: C

88. DHCP uses UDP port _____ for sending data to the server.
- A. 66
 - B. 67
 - C. 68
 - D. 69

ANSWER: B

89. The DHCP server can provide the _____ of the IP addresses.
- A. dynamic allocation
 - B. automatic allocation
 - C. static allocation
 - D. all of the mentioned

ANSWER: D

90. Which of the following does authentication aim to accomplish?
- A. Restrict what operations/data the user can access
 - B. Determine if the user is an attacker
 - C. Flag the user if he/she misbehaves
 - D. Determine who the user is

ANSWER: D

91. What is primarily required to achieve 56K modem speed?
- A. A modem capable of sending at 56K
 - B. A software package capable of sending at 56K
 - C. A cable modem
 - D. A modem on both ends of the connection that can send and receive at 56K

ANSWER: D

92. What type of transceivers do modems use?

- A. RJ-11
- B. RJ-12
- C. UTP
- D. RJ-45

ANSWER: D

93. The entire hostname has a maximum of _____

- A. 255 characters
- B. 127 characters
- C. 63 characters
- D. 31 characters

ANSWER: A

94. A DNS client is called _____

- A. DNS updater
- B. DNS resolver
- C. DNS handler
- D. none of the mentioned

ANSWER: B

95. Which of the following is an authentication method?

- A. Secret question
- B. Biometric
- C. Password
- D. All of the above

ANSWER: D

96. Which of the following describes the first step in establishing an encrypted session using a Data Encryption Standard (DES) key?

- A. Key clustering
- B. Key compression
- C. Key signing
- D. Key exchange

ANSWER: D

97. Which of the following entity is ultimately responsible for information security within an organization?

- A. IT Security Officer
- B. Project Managers
- C. Department Directors
- D. Senior Management

ANSWER: D

98. What type of cryptanalytic attack where an adversary has the least amount of information to work with?

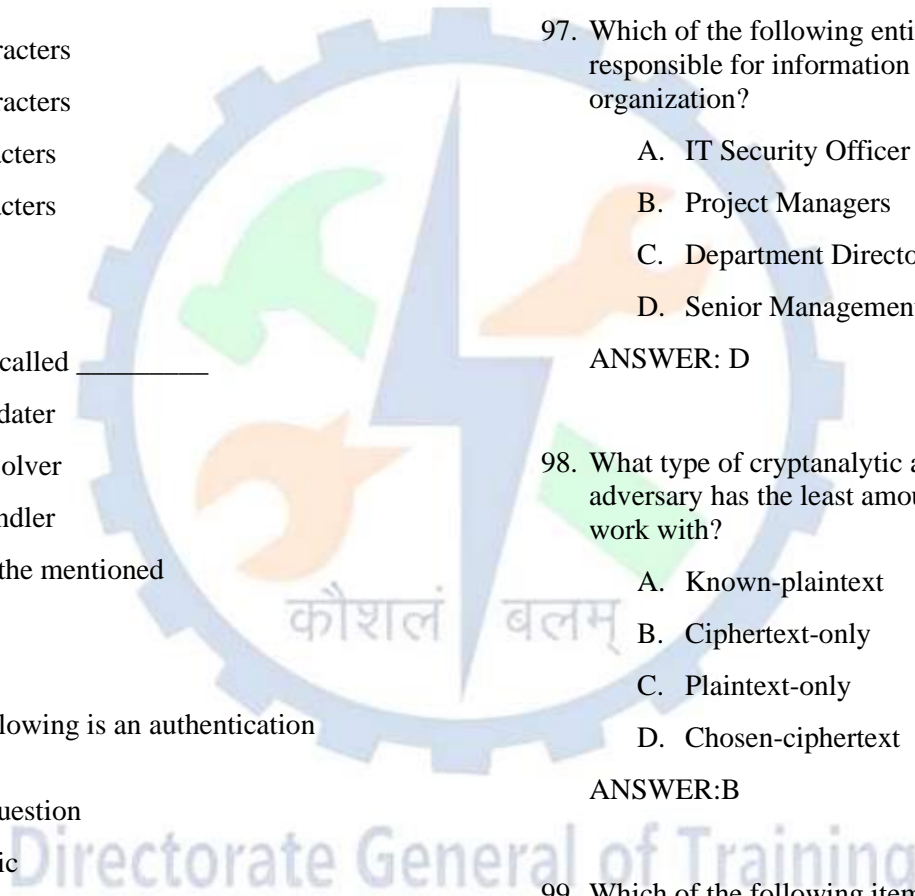
- A. Known-plaintext
- B. Ciphertext-only
- C. Plaintext-only
- D. Chosen-ciphertext

ANSWER: B

99. Which of the following items is not used in Local Area Networks(LANs)?

- A. Computer
- B. Cable
- C. Modem
- D. Interface card

ANSWER: C



100. Which of the following represents the fastest data transmission speed?

- A. Gbps
- B. Kbps
- C. Bps
- D. Mbps

ANSWER: A

104. Which yum command can be used to install telnet

- A. yum install telnet-server
- B. yum install-telnet
- C. yum apt get install telnet
- D. None of the mentioned

ANSWER: A

101. A device that connects to a network without the use of cables is said to be

- A. Open source
- B. Cabled
- C. Distributed
- D. Wireless

ANSWER: D

105. Which is the device that connects devices to create network?

- A. Switch
- B. Router
- C. Modem
- D. LAN

ANSWER: A

102. WI-FI uses

- A. Phase line
- B. Radio waves
- C. Optic fiber
- D. Sound waves

ANSWER: B

106. What is the device that connects separate network?

- A. Router
- B. Modem
- C. Internet
- D. Hub

ANSWER: A

103. Telnet protocol allows you to connect to remote hosts over _____ network.

- A. Free
- B. Telnet
- C. OS
- D. TCP/IP

ANSWER: D

107. Switches are the connectivity points of an _____ network.

- A. Wifi
- B. WAN
- C. All
- D. Ethernet

ANSWER: D

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108. This cmd utility is used for remote server management.

- A. ping
- B. ifconfig
- C. telnet
- D. ssh

ANSWER: C

109. These type of switches have many features like the highest levels of security, precision control and full management of the network:

- A. Router
- B. Managed Switch
- C. Unmanaged Switch
- D. None of the options

ANSWER: B

110. Which of the following is not a feature of unmanaged switches:

- A. It has no concept of virtual LANs (VLANs).
- B. All devices belong to the same broadcast domain.
- C. Has defined user configuration.
- D. All of the mentioned.

ANSWER: C

111. A managed switch:

- A. Lets you adjust each port on the switch to any setting you desire.
- B. Doesn't allow to configure your network.
- C. No control over how data travels over the network.
- D. All are true

ANSWER: A

112. When it comes to smaller networks, such as for small businesses then _____ switch is more likely to be used.

- A. Managed
- B. Unmanaged
- C. Dual
- D. Fully controlled

ANSWER: B

113. Unmanaged switches only allow ethernet devices to communicate over the network.

- A. False
- B. True
- C. Never
- D. Nil

ANSWER: B

114. A managed switch supports:

- A. Port Security
- B. Redundant Ring fail over protection
- C. Port Mirroring
- D. All are true

ANSWER: D

115. Unmanaged and managed switches are type of:

- A. Fixed Configuration
- B. Modular
- C. Nil
- D. None

ANSWER: A

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116. QOS(Quality of Service) is a feature of:
- A. Unmanaged Switches
 - B. Managed Switches
 - C. Both
 - D. None

ANSWER: B

117. Wireless Access Point (WAP):
- A. segmentation of users cannot be done.
 - B. gives users less flexibility to stay online
 - C. is complicated to add new users in the network.
 - D. is easier to set up compared to setting up a wired network.

ANSWER: D

118. The _____ standard designates the radio frequencies used and wireless access points (WAPs)
- A. 801.17
 - B. 802.11
 - C. 800.19
 - D. 804.22

ANSWER: B

119. Managed Switches are used in:
- A. Data centre
 - B. Small Enterprise
 - C. Small Business
 - D. Home and Labs

ANSWER: A

120. Which of this network is plug and play:
- A. Managed
 - B. Unmanaged
 - C. Auto
 - D. Expandable

ANSWER: B

121. To configure a Wireless Access Point:
- A. Register the hardware (MAC. address of the wireless card.
 - B. Disable encryption
 - C. Reroute the SSID
 - D. Open network configuration and disable encryption.

ANSWER: A

122. What WLAN device is installed in or attached to a PC to provide an interface to a wireless network?
- A. Network Adaptor
 - B. Access Point
 - C. Antenna
 - D. Repeater

ANSWER: A

123. A wireless extension to a wired network can eliminate the need for new _____ to be installed.
- A. Cables
 - B. Access Point
 - C. Router
 - D. Bridges

ANSWER: A

124. What is SSID?
- A. Stationary Set Identifier used to enter network.
 - B. Service Set Identifier used to identify the network.
 - C. Super Service Intermediator used to configure network
 - D. Stationary Set Intermediator used to identify network

ANSWER: B

125. Broadband includes several high-speed transmission technologies such as:
- A. DSL
 - B. Cable Modem
 - C. Fiber
 - D. All

ANSWER: E

126. Broadbands are available as _____:
- A. Wired and Wireless
 - B. Wired
 - C. Wireless
 - D. Dual Network Mode

ANSWER: A

127. ifconfig command helps to:
- A. Configure system security
 - B. Configure a network interface
 - C. Configure wireless ports only
 - D. Configure additional devices

ANSWER: B

128. _____ is a tool used to perform DNS lookups in Linux.
- A. dns
 - B. lookup
 - C. dnslookup
 - D. nslookup

ANSWER: D

129. Who invented spam & when?
- A. Jay Hormel in 1937
 - B. Jay Hormel in 1941
 - C. Jay Hormel in 1936
 - D. Jay Hormel in 1950

Answer: A

130. What is spam?
- A. Spam can be defined as a relevant message sent over the internet.
 - B. Spam can be defined as irrelevant or unsolicited messages sent over the Internet.
 - C. None
 - D. Both

Answer: B

131. Is using spamming tools illegal?
- A. No
 - B. Yes
 - C. Maybe
 - D. none

Answer: B

132. What is ARP abbreviation for?
- A. Address route protocol
 - B. Address resolution protocol
 - C. Address reverse program
 - D. Attention resolution program

Answer: B

136. Which protocol will send a message to routers if a network outage or congestion occurs?
- A. IP
 - B. TCP
 - C. ARP
 - D. ICMP

ANSWER: D

133. A device designed to filter and transfer IP packets between computer networks is called:
- A. Hub
 - B. Modem
 - C. Router
 - D. IP configuration

ANSWER: C

137. IPV4 address is:
- A. 8-bit
 - B. 16-bit
 - C. 32-bit
 - D. 64-bit

ANSWER: C

134. Which is not an objective of network security?
- A. Identification
 - B. Lock
 - C. Authentication
 - D. Access control

ANSWER: B

138. Router operates in which physical layer of OSI Model
- A. Layer 1(Physical Layer)
 - B. Layer 2(Network Layer)
 - C. Layer 3(Transport Layer)
 - D. Layer 7(Application Layer)

ANSWER: B

135. _____ ensures the integrity and security of data that are passing over a network.
- A. Firewall
 - B. Antivirus
 - C. Pentesting Tools
 - D. Network-security protocols

ANSWER: D

139. Hubs cannot filter data, so data packets are sent to all connected devices.
- A. True
 - B. False
 - C. Never
 - D. Nil

ANSWER: A

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140. The disadvantage of using hub is:

- A. Consumes Bandwidth
- B. Slow down the system
- C. Replication of all the bits
- D. Cheapest

ANSWER: A

141. What is the acronym given to a wireless network defined into a specific area?

- A. LAN
- B. WLAN
- C. WAN
- D. CAN

ANSWER: B

142. In order to connect a PC to a network, the PC must have a(n):

- A. Network Interface Card
- B. ISP
- C. Modem
- D. Wireless Mouse

ANSWER: A

143. What is the IEEE specification for wireless network?

- A. 802.10
- B. 802.1x
- C. 802.15
- D. 802.11

ANSWER: D

144. Geometric arrangement of devices on the network is called

- A. Protocols
- B. Topology
- C. Trailer
- D. LAN

ANSWER: B

145. Which type of network would use phone lines?

- A. Wireless
- B. WAN
- C. LAN
- D. WWAN

ANSWER: B

146. Which of the following is not a network device?

- A. Router
- B. Modem
- C. Bridge
- D. Switch

ANSWER: B

147. Which of the following refers to a small, single-site network?

- A. RAM
- B. DSL
- C. USB
- D. LAN

ANSWER: D

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148. The open-source software version of Netscape is _____?

- A. Chrome
- B. Mozilla
- C. Internet Explorer
- D. Erwise

Answer: B

149. What is the access point (AP) in a wireless LAN?

- A. device that allows wireless devices to connect to a wired network
- B. wireless devices itself
- C. both device that allows wireless devices to connect to a wired network and wireless devices itself
- D. all the nodes in the network

ANSWER: A

150. Routers are often used to implement FIREWALLS

- A. True
- B. False
- C. May be
- D. Can't say

ANSWER: A

151. DNS database contains _____

- A. name server records
- B. hostname-to-address records
- C. hostname aliases
- D. all of the mentioned

ANSWER: D

152. There are _____ types of spamming.

- A. 3
- B. 4
- C. 5
- D. 6

Answer: C

153. Which of the following is not a proper way of how spammers get the email Ids?

- A. When a user registers to online services, blogs, and sites
- B. Databases formed by spiders fetching email Ids from different sources
- C. From offline form fill-up documents
- D. Online ad-tracking tools

ANSWER: C

154. Which of the following is considered as a first web browser?

- A. Internet explorer
- B. Nexus
- C. Google Chrome
- D. none

Answer: B

155. What's a web browser?

- A. A kind of spider
- B. A computer that stores WWW files
- C. A person who likes to look at websites
- D. A software program that allows you to access sites on the World Wide Web

Answer: D

156. What is the primary function of ARP in a network?

- A. To convert domain names to IP addresses
- B. To resolve IP addresses to MAC addresses
- C. To assign IP addresses to devices
- D. To route data packets to the destination

ANSWER: B

160. What is the difference between HTTP and HTTPS?

- A. HTTPS uses encryption, HTTP does not
- B. HTTP is faster than HTTPS
- C. HTTP is used for email, HTTPS is used for web browsing
- D. There is no difference

ANSWER: A

157. What device is used to extend the range of a wireless network?

- A. Router
- B. Repeater
- C. Switch
- D. Firewall

ANSWER: B

161. What is the difference between IPv4 and IPv6?

- A. IPv6 has a larger address space
- B. IPv4 is more secure
- C. IPv4 is faster
- D. IPv6 is older

ANSWER: A

158. What is the function of HTTP?

- A. Transferring data between web clients and servers
- B. Managing email
- C. File transfer
- D. Network address management

ANSWER: A

162. What is subnet masking?

- A. Dividing a network into smaller subnetworks
- B. Protecting a network from unauthorized access
- C. Increasing network speed
- D. Improving network reliability

ANSWER: A

159. What is HTTPS?

- A. Hypertext Transfer Protocol Secure
- B. Hyper Secure Transfer Protocol
- C. Hyper Text Secure Protocol
- D. Hyper Text Secure Transfer

ANSWER: A

163. How does POP work?

- A. Downloads emails to the client computer
- B. Stores emails on the mail server
- C. Accesses emails through a web browser
- D. Uses a push-based system

ANSWER: A

164. Which of the following commands would you type to see if the mail service is functioning and view a backlog of old messages?

- A. postfix
- B. traceroute
- C. sendmail
- D. mailq

ANSWER: A

165. Under what circumstances should a forwarding-only name server be accessible to the Internet at large?

- A. Rarely or never
- B. Almost always
- C. Only when your domain already has two other DNS servers on the Internet
- D. Only when you use BIND 8.x or later

ANSWER: B

166. Why is it unwise to allow root to log on directly using SSH?

- A. Somebody with the root password but no other password could then break into the computer.
- B. The root password should never be sent over a network connection; allowing root logins in this way is inviting disaster.
- C. SSH stores all login information, including passwords, in a publicly readable file.
- D. When logged on using SSH, roots commands can be easily intercepted and duplicated by undesirable elements.

ANSWER: A

167. What is a router?

- A. A network device that forwards data packets between networks
- B. A device that amplifies network signals
- C. A device that converts analog signals to digital signals
- D. A device that connects multiple devices together

ANSWER: A

168. What is a switch?

- A. A network device that directs data packets to their destination
- B. A device that amplifies network signals
- C. A device that converts analog signals to digital signals
- D. A device that connects multiple devices together

ANSWER: A

169. What is a hub?

- A. A network device that connects multiple devices together
- B. A device that directs data packets to their destination
- C. A device that amplifies network signals
- D. A device that converts analog signals to digital signals

ANSWER: A

170. What is DNS used for?

- A. Resolving domain names to IP addresses
- B. Sending emails
- C. Transferring files
- D. Managing network devices

ANSWER: A

171. What are some challenges with SNMP?

- A. Security vulnerabilities
- B. Scalability issues
- C. Complexity
- D. All of the above

ANSWER: D

172. What is SMTP used for?

- A. Sending emails
- B. Receiving emails
- C. Storing emails
- D. Filtering emails

ANSWER: A

173. What is the relationship between WINS and DNS?

- A. WINS is used for NetBIOS name resolution, DNS is used for domain name resolution
- B. WINS is a replacement for DNS
- C. WINS and DNS are used for the same purpose
- D. WINS is part of the DNS protocol

ANSWER: A

174. What are the different classes of IP addresses?

- A. Class A, Class B, Class C
- B. Class X, Class Y, Class Z
- C. Class 1, Class 2, Class 3
- D. Class Low, Class Medium, Class High

ANSWER: A

175. How many bits are used for the network ID in a Class A address?

- A. 8
- B. 16
- C. 24
- D. 32

ANSWER: A

176. What is the default subnet mask for a Class B address?

- A. 255.0.0.0
- B. 255.255.0.0
- C. 255.255.255.0
- D. 0.0.0.0

ANSWER: B

177. What is the port number for HTTPS traffic?

- A. 25
- B. 443
- C. 110
- D. 23

ANSWER: B

178. Which class of IP addresses has the default subnet mask 255.255.0.0?

- A. Class A
- B. Class B
- C. Class C
- D. Class D

ANSWER: B

179. Which OSI layer is responsible for the transmission of raw bit streams over a physical medium?

- A. Physical
- B. Data Link
- C. Network
- D. Transport

ANSWER: A

180. What protocol is commonly used for web services communication?

- A. FTP
- B. HTTP
- C. SMTP
- D. Telnet

ANSWER: B

181. Which OSI layer is responsible for data encryption and decryption?

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

ANSWER: B

182. What is the primary purpose of a proxy server?

- A. To store data
- B. To act as an intermediary between a client and a server
- C. To monitor network traffic
- D. To encrypt communications

ANSWER: B

183. Which of the following is a valid Class B IP address?

- A. 192.168.0.1
- B. 10.1.1.1
- C. 172.16.0.1
- D. 224.0.0.1

ANSWER: C

184. What is the function of port 23?

- A. SSH
- B. FTP
- C. Telnet
- D. SMTP

ANSWER: C

185. Which device combines the functionality of a router and a wireless access point?

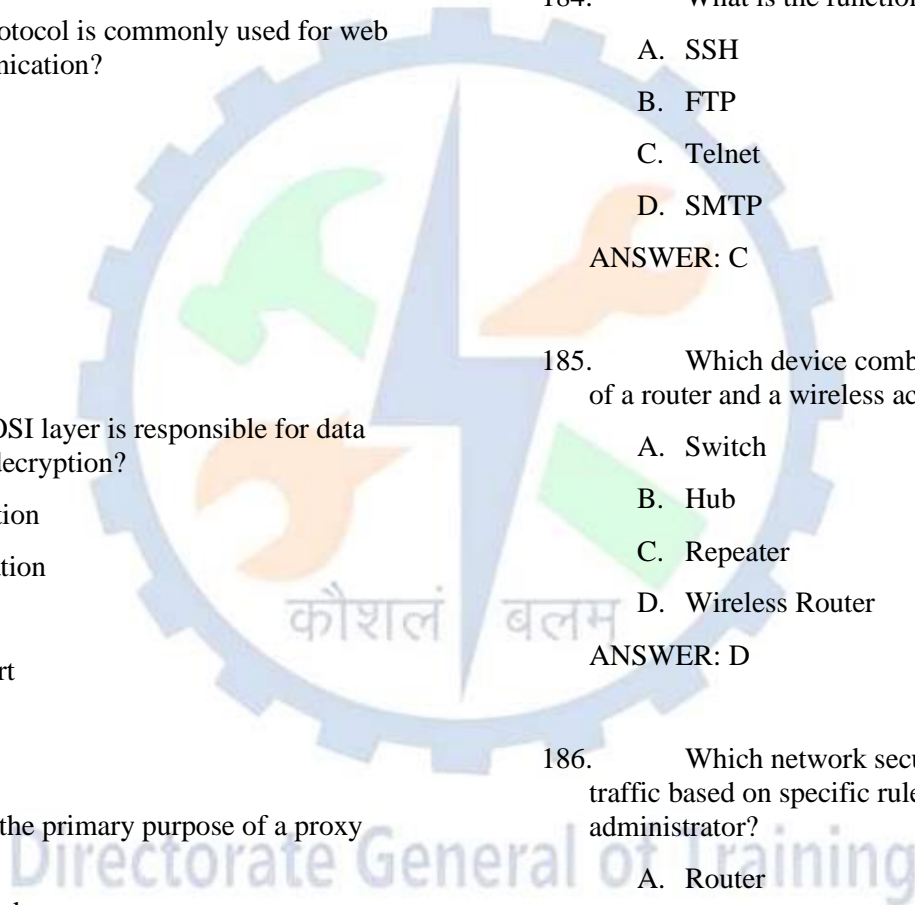
- A. Switch
- B. Hub
- C. Repeater
- D. Wireless Router

ANSWER: D

186. Which network security device can block traffic based on specific rules set by an administrator?

- A. Router
- B. Switch
- C. Firewall
- D. Hub

ANSWER: C



187. What is a denial-of-service (DoS) attack?
- A. An attempt to overload a system to prevent legitimate users from accessing it
 - B. A type of malware
 - C. A social engineering tactic
 - D. A hardware failure

ANSWER: A

188. What is a backdoor?
- A. A way for an attacker to gain unauthorized access to a system
 - B. A type of antivirus software
 - C. A hardware component
 - D. A network protocol

ANSWER: A

189. What is a domain name?
- A. A human-readable address for a website
 - B. A type of software
 - C. A hardware component
 - D. A network protocol

ANSWER: A

190. What is an intranet?
- A. A private network within an organization
 - B. A public network
 - C. A type of software
 - D. A hardware component

ANSWER: A

191. How is an intranet different from the internet?
- A. Intranets are private, while the internet is public
 - B. Intranets are slower than the internet
 - C. Intranets do not use computers
 - D. Intranets are only accessible to mobile devices

ANSWER: A

192. What are some common uses of an intranet?
- A. Email, file sharing, collaboration
 - B. Online shopping, social networking
 - C. Gaming, streaming videos
 - D. Public access to information

ANSWER: A

193. What is a NIC?
- A. Network Interface Card
 - B. Network Input Card
 - C. Network Internal Component
 - D. Network Integrated Circuit

ANSWER: A

194. What is a bus topology?
- A. A network topology where all devices are connected to a central cable
 - B. A network topology where devices are connected in a ring
 - C. A network topology where devices are connected in a star pattern
 - D. A network topology where devices are connected in a mesh pattern

ANSWER: A

195. What is a star topology?
- A. A network topology where all devices are connected to a central cable
 - B. A network topology where devices are connected in a ring
 - C. A network topology where devices are connected to a central hub or switch
 - D. A network topology where devices are connected in a mesh pattern

ANSWER: C

196. What is a ring topology?
- A. A network topology where all devices are connected to a central cable
 - B. A network topology where devices are connected in a ring
 - C. A network topology where devices are connected to a central hub or switch
 - D. A network topology where devices are connected in a mesh pattern

ANSWER: B

197. What is a mesh topology?
- A. A network topology where all devices are connected to a central cable
 - B. A network topology where devices are connected in a ring
 - C. A network topology where devices are connected to a central hub or switch
 - D. A network topology where devices are connected to multiple other devices

ANSWER: D

198. Which topology is most suitable for coaxial cable?
- A. Bus
 - B. Star
 - C. Ring
 - D. Mesh

ANSWER: A

199. Which topology is most suitable for fiber optic cable?
- A. Bus
 - B. Star
 - C. Ring
 - D. Any of the above

ANSWER: D

200. Which topology is most reliable?
- A. Bus
 - B. Star
 - C. Ring
 - D. Mesh

ANSWER: D

201. Which topology is most susceptible to failure?
- A. Internet
 - B. Star
 - C. Ring
 - D. Mesh

ANSWER: C

202. What is the difference between baseband and broadband transmission?
- A. Baseband transmits one signal at a time, while broadband transmits multiple signals simultaneously
 - B. Baseband is digital, while broadband is analog
 - C. Baseband is wired, while broadband is wireless
 - D. Baseband is slower than broadband

ANSWER: A

203. What is multiplexing?
- A. The process of combining multiple signals into a single channel
 - B. The process of splitting a signal into multiple channels
 - C. The process of amplifying signals
 - D. The process of filtering signals

ANSWER: A

204. What is the RJ-45 connector used for?
- A. Connecting Ethernet cables
 - B. Connecting telephone lines
 - C. Connecting coaxial cables
 - D. Connecting fiber optic cables

ANSWER: A

205. What is the color code for Ethernet cables?
- A. A standardized pattern of wire colors for easy identification
 - B. A random pattern of wire colors
 - C. No color code is required
 - D. The color code depends on the cable length

ANSWER: A

206. What is the purpose of the crossover cable?
- A. To connect two computers directly
 - B. To connect a computer to a router
 - C. To connect a computer to a modem
 - D. To connect two hubs

ANSWER: A

207. What is the purpose of the straight-through cable?
- A. To connect two computers directly
 - B. To connect a computer to a router
 - C. To connect a computer to a modem
 - D. To connect two hubs

ANSWER: A

208. What is analog communication?
- A. Communication using continuous signals
 - B. Communication using discrete signals
 - C. A type of network topology
 - D. A type of modulation technique

ANSWER: A

209. What is digital communication?
- A. Communication using continuous signals
 - B. Communication using discrete signals
 - C. A type of network topology
 - D. A type of modulation technique

ANSWER: B

210. What is the advantage of digital communication over analog communication?
- A. Higher data rate
 - B. Better error correction
 - C. Less noise
 - D. All of the above

ANSWER: D

211. What is a protocol?
- A. A set of rules for communication between devices
 - B. A type of hardware
 - C. A software application
 - D. A network topology

ANSWER: A

212. What is the GET method used for?
- A. Retrieving data from a server
 - B. Sending data to a server
 - C. Updating data on a server
 - D. Deleting data from a server

ANSWER: A

213. What is the PUT method used for?
- A. Retrieving data from a server
 - B. Sending data to a server
 - C. Updating or creating a resource
 - D. Deleting data from a server

ANSWER: C

214. What is the DELETE method used for?
- A. Retrieving data from a server
 - B. Sending data to a server
 - C. Updating data on a server
 - D. Deleting a resource

ANSWER: D

215. What is a DDoS attack?
- A. Distributed Denial of Service
 - B. Direct Denial of Service
 - C. Data Denial of Service
 - D. Digital Denial of Service

ANSWER: A

216. What is a man-in-the-middle attack?
- A. An attacker intercepts communication between two parties
 - B. A type of malware
 - C. A hardware failure
 - D. A network error

ANSWER: A

217. What is a port number?
- A. A unique identifier for a process or application on a computer
 - B. A physical address of a network device
 - C. A network protocol
 - D. A type of network topology

ANSWER: A

218. Which of the following parameters should you definitely check and, if necessary, adjust in the [global] section of your smb.conf file when configuring Samba?
- A. path
 - B. workgroup
 - C. comment
 - D. write list

ANSWER: A

219. Which port is commonly used for HTTP traffic?

- A. 21
- B. 22
- C. 80
- D. 443

ANSWER: C

220. What port is used by the FTP protocol for data transfer?

- A. 20
- B. 21
- C. 23
- D. 25

ANSWER: A

224. Which media access method divides the channel into time slots?

- A. FDMA
- B. TDMA
- C. CDMA
- D. CSMA/CD

ANSWER: B

221. Which of the following is not a bulk emailing tool?

- A. Fairlogic Worldcast
- B. 123 Hidden sender
- C. YL Mail Man
- D. NetCut

Answer : D

225. Which OSI layer converts digital signals into electrical signals?

- A. Network
- B. Physical
- C. Data Link
- D. Transport

ANSWER: B

222. What have used which crawl web pages looking for email Ids and copies them to the database?

- A. Caches
- B. Cookies
- C. Bots
- D. Spiders

Answer : D

226. Which media access method allows multiple signals to be transmitted simultaneously?

- A. FDMA
- B. TDMA
- C. CSMA/CD
- D. CDMA

ANSWER: D

223. What is the default port number for the SMTP protocol?

- A. 21
- B. 23
- C. 25
- D. 110

ANSWER: C

227. Which layer of the OSI model handles error correction and flow control?

- A. Physical layer
- B. Data link layer
- C. Network layer
- D. Transport layer

ANSWER: B

228. Which layer of the OSI model is responsible for routing packets between networks?

- A. Physical layer
- B. Data link layer
- C. Network layer
- D. Transport layer

ANSWER: C

232. In which mode of telnet, the client echoes the character on the screen but does not send it until a whole line is completed?

- A. null mode
- B. character mode
- C. server mode
- D. default mode

ANSWER: d

229. Which device is used to connect multiple networks together?

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

ANSWER: C

233. Which is the number one tool for filtering spam?

- A. SPAMfighter
- B. fighterSPAM
- C. VIRUSfighter
- D. fighterVIRUS

Answer: A

230. Which network device operates primarily at the Data Link layer of the OSI model?

- A. Router
- B. Switch
- C. Hub
- D. Gateway

ANSWER: B

234. What is another name for spambots?

- A. Spam spiders
- B. fighterSPAM
- C. VIRUSfighter
- D. fighterVIRUS

Answer: A

231. Which type of communication allows data to be sent at any time, regardless of whether the receiver is ready?

- A. Synchronous Communication
- B. Asynchronous Communication
- C. Broadcast Communication
- D. Multicast Communication

ANSWER: B

235. Which of the following is not a type of spamming attack?

- A. Page-jacking
- B. Image spamming
- C. Spear phishing
- D. Blog & wiki spamming

Answer: C

236. What is the host route?
- A. A gateway that can forward packets to a specific host on another network.
 - B. A gateway that can forward packets to any host on a specific network.
 - C. A gateway that can forward packets from a specific host to a specific network.
 - D. none

Answer: A

237. If multiple matching routes have Equal distance which route is chosen?
- A. Most specific route
 - B. Random route
 - C. Both routes
 - D. depending on IP address

Answer: A

238. When a local setting is inaccessible, it indicates that a _____ currently controls that setting.
- A. User
 - B. Guest User
 - C. Group Policy Object (GPO)
 - D. Something else

Answer: C

239. To configure a setting using the Local Security Policy console, which file to run from start screen ?
- A. Security Settings
 - B. Control Panel
 - C. secpol.msc
 - D. Something else

ANSWER: C

240. Select the appropriate way to configure a security policy setting.
- A. Using the Local Security Policy console
 - B. Using the Local Group Policy Editor console
 - C. Using domain controller
 - D. All of the mentioned

ANSWER: D

241. Why might you want to run SWAT?
- A. It provides name resolution using NetBIOS protocols.
 - B. It provides Web-based GUI administration of a Samba server.
 - C. Its run from the inetd or xinetd super server, unlike many servers.
 - D. It helps to find and correct bugs in a wide variety of servers.

ANSWER: B

242. What port should you block with a firewall if you want to limit access to a web server running on its standard port?
- A. TCP port 22
 - B. TCP port 25
 - C. TCP port 80
 - D. TCP port 901

ANSWER: D

243. Filter port allows you to _____ specific ports, displayed as rows.
- A. Drop
 - B. Configure
 - C. Hide or display
 - D. None of the mentioned

ANSWER: C

244. A web server usually listens on Port Number:

- A. 90
- B. 9
- C. 80
- D. Any random assigned port

ANSWER: C

245. Why the ports should not be kept open in Linux Server:

- A. Open ports are connected to all folders.
- B. Open ports cause OS to hang.
- C. All of the mentioned.
- D. Open port can be used by attackers to exploit a vulnerability.

ANSWER: D

246. DHCP (dynamic host configuration protocol) provides _____ to the client.

- A. IP address
- B. MAC address
- C. Url
- D. None of the mentioned

ANSWER: A

247. DHCP is used for _____

- A. IPv6
- B. IPv4
- C. Both IPv6 and IPv4
- D. None of the mentioned

ANSWER: C

248. The DHCP server _____

- A. maintains a database of available IP addresses
- B. maintains the information about client configuration parameters
- C. grants a IP address when receives a request from a client
- D. all of the mentioned

ANSWER: D

249. IP assigned for a client by DHCP server is

- A. for a limited period
- B. for an unlimited period
- C. not time dependent
- D. none of the mentioned

ANSWER: A

250. DHCP client and servers on the same subnet communicate via _____

- A. UDP broadcast
- B. UDP unicast
- C. TCP broadcast
- D. TCP unicast

ANSWER: A

247. DHCP is used for _____

- A. IPv6
- B. IPv4
- C. Both IPv6 and IPv4
- D. None of the mentioned

ANSWER: C

251. Hardware required to create a wired LAN is:

- A. NIC,Switch,Router,Transmission Media
- B. WAP,NIC,Router,Hub
- C. Router,Hub,NIC
- D. NIC,Router,Switch,Hub

ANSWER: A

252. You want to get information about DNS request types and DNS query packet content. What kind of DNS logging do you need to enable to get that information?

- A. DNS server log
- B. Debug logging
- C. Analytic event logging
- D. DNS monitoring

ANSWER: B

253. What security principal is assigned as the owner of files and folders created by the operating system?

- A. The Administrator account
- B. The Administrators group
- C. The SYSVOL special identity
- D. The SYSTEM special identity

ANSWER: B

254. By default, members of which Active Directory groups can assign ownership of an NTFS file or folder to another user?

- A. Administrators, Backup Operators
- B. Administrators, Backup Operators, Server Operators
- C. Administrators, Server Operators
- D. Administrators, Backup Operators, Account Operators

ANSWER: B

255. Unmanaged switch in network allows you to:

- A. Increase bandwidth
- B. Have greater control
- C. Immediately plug-and-play devices into your network
- D. Prioritize channels

ANSWER: C

256. Which of the following is true for unmanaged switch:

- A. It allows for networking of Ethernet devices for data communication.
- B. Forward broadcasts
- C. No user configuration
- D. All are true

ANSWER: D

257. The advantage to unmanaged switches when it comes to performance is that:

- A. You need to prioritize things
- B. There's no need to set anything up
- C. Prioritize SNMP
- D. Troubleshoot the network

ANSWER: B

258. If you wanted to ping a host but also follow the path at which it pings, what would you use?

- A. ping
- B. ifconfig
- C. tracert
- D. lookup

ANSWER: C

259. You want to find out the IP address of a hostname, like google.com, you should use...

- A. ping
- B. ifconfig
- C. tracert
- D. nslookup

ANSWER: D

260. To configure managed switches:
- A. You can expand ports via WLAN
 - B. You can use port based VLAN connection or configure via RS232 port
 - C. You can restrict the numbers of ports via VLAN
 - D. Disconnect DB9 Connector

ANSWER: B

261. Port mirroring in managed switches helps:

- A. Supervisor monitoring network
- B. Mirror OS
- C. Mirror all the rights

ANSWER: A

262. Which of the following is not a technique used by spammers?

- A. Spoofing the domain
- B. Sending attached virus in spams
- C. Junk tags associated with spam-emails
- D. Making important deals through such emails

Answer : D

263. Among all the routes available which route is chosen?

- A. Highest distance metric
- B. Lowest distance metric
- C. metric 5
- D. metric 10

Answer: B

264. What is route restriction?

- A. Users are restricted to use a route
- B. The administrator is restricted to use a route
- C. only some users can access a route
- D. No users can access a route

ANSWER: C

265. When is a gateway declared dead?

- A. When its too far
- B. When it doesn't send any request within a given period of time
- C. When no response is received for a consecutive request
- D. If the gateway sends too many requests

ANSWER: C

266. What is another name for the distance metric?

- A. hop count
- B. cost
- C. hop count and cost
- D. height, hop count and cost

Answer: C

267. Which protocol does not provide feedback?

- A. TCP
- B. UDP
- C. IP
- D. Something else

ANSWER: B

268. What is the name of the protocol Apache uses to communicate with clients?

- A. The Patchy Server Protocol
- B. The Hypertext Transfer Protocol
- C. The Cloud Transfer Protocol
- D. The Hypertext Markup Language

ANSWER: B

269. How many individual queries are involved in a full recursive DNS lookup?

- A. 1
- B. 3
- C. 7
- D. A variable number

ANSWER: D

270. If DHCP snooping is configured on a LAN switch, then clients having specific _____ can access the network.

- A. MAC address
- B. IP address
- C. Both MAC address and IP address
- D. None of the mentioned

ANSWER: C

271. Expansion of FTP is _____

- A. Fine Transfer Protocol
- B. File Transfer Protocol
- C. First Transfer Protocol
- D. Fast Transfer Protocol

ANSWER: B

272. FTP is built on _____ architecture.

- A. Client-server
- B. P2P
- C. Data centric
- D. Service oriented

ANSWER: A

273. FTP uses _____ parallel TCP connections to transfer a file.

- A. 1
- B. 2
- C. 3
- D. 4

ANSWER: B

274. Identify the incorrect statement regarding FTP.

- A. FTP stands for File Transfer Protocol
- B. FTP uses two parallel TCP connections
- C. FTP sends its control information in-band
- D. FTP sends exactly one file over the data connection

ANSWER: C

275. If 5 files are transferred from server A to client B in the same session. The number of TCP connections between A and B is _____

- A. 5
- B. 10
- C. 2
- D. 6

ANSWER: D

276. FTP server _____
- A. Maintains state information
 - B. Is stateless
 - C. Has single TCP connection for a file transfer
 - D. Has UDP connection for file transfer

ANSWER: A

280. Wildcard domain names start with label _____
- A. @
 - B. *
 - C. &
 - D. #

ANSWER: B

277. The commands, from client to server, and replies, from server to client, are sent across the control connection in _____ bit ASCII format.
- A. 8
 - B. 7
 - C. 3
 - D. 5

ANSWER: B

281. In a ring topology, the computer in possession of the _____ can transmit data.
- A. Data
 - B. Packet
 - C. Access method
 - D. Token

ANSWER: D

278. Servers handle requests for other domains _____
- A. directly
 - B. by contacting remote DNS server
 - C. it is not possible
 - D. none of the mentioned

ANSWER: B

282. Which of the following topologies is not of broadcast type
- A. Bus
 - B. Ring
 - C. Star
 - D. All of mentioned

ANSWER: A

279. Which one of the following allows client to update their DNS entry as their IP address change?
- A. dynamic DNS
 - B. mail transfer agent
 - C. authoritative name server
 - D. none of the mentioned

ANSWER: A

283. An alternate name for the completely interconnected network topology is
- A. Mesh
 - B. Star
 - C. Tree
 - D. Ring

ANSWER: A

284. You are the new IT admin, and you need to find the network configuration. What should you use?

- A. ipconfig
- B. netchange
- C. ping
- D. nwnet

ANSWER: A

288. Which part of TCP/IP prepares the message for being sent and reassembles any incoming messages?

- A. IP
- B. TCP
- C. Nil
- D. Both

ANSWER: B

285. This command sends a request out and expects a response, indicating that both hosts are communicating:

- A. ping
- B. ifconfig
- C. tracert
- D. lookup

ANSWER: A

289. Network security protocols :

- A. makes sure that the security and integrity of the data are preserved over a network.
- B. helps to transfer files through routing
- C. All are true
- D. Helps to transfer emails

ANSWER: A

286. A network server:

- A. provides various shared resources to workstations and other servers on a network.
- B. provides various links to access the network
- C. provides WAP to all the connected devices
- D. None

ANSWER: A

290. _____ is a cryptographic network security protocol used for securing data communication over a network.

- A. SSL
- B. HTTPS
- C. SSH
- D. AVG

ANSWER: C

287. _____ is a company that provides users with access to the internet.

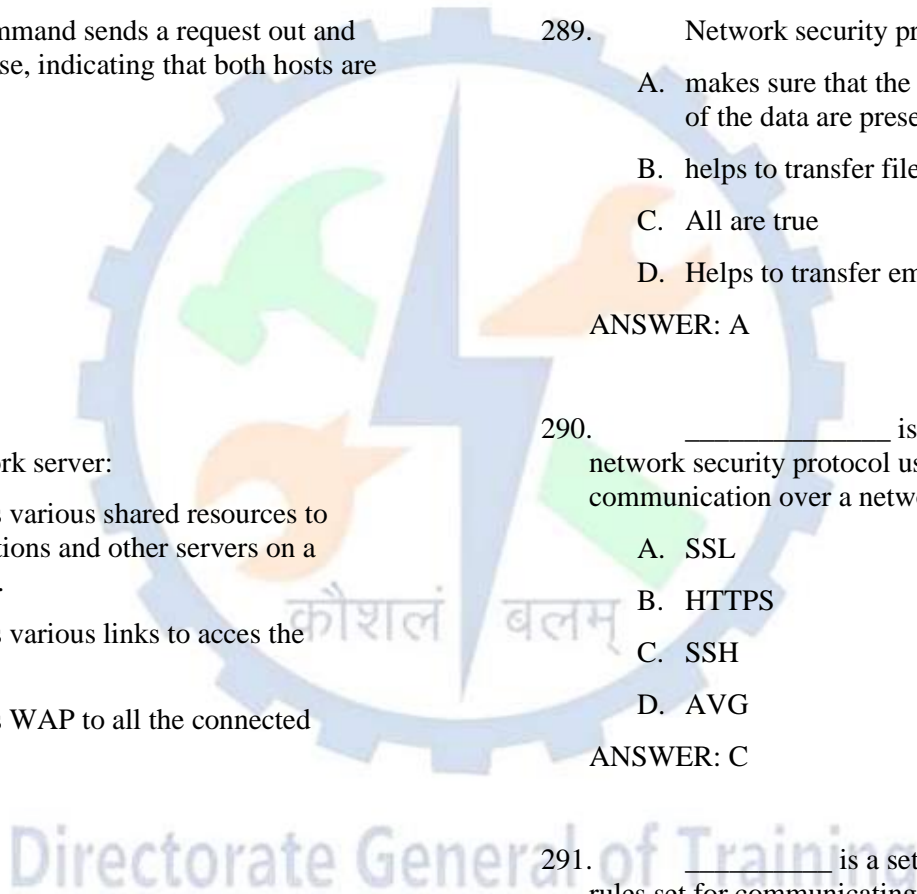
- A. Hub
- B. Modem
- C. Internet Service Provider
- D. IP configuration

ANSWER: C

291. _____ is a set of conventions & rules set for communicating two or more devices residing in the same network?

- A. Security policies
- B. Protocols
- C. Wireless Network
- D. Algorithms

ANSWER: B



Directorate General of Training

292. _____ is the central node of 802.11 wireless operations.

- A. Access Points
- B. Protocols
- C. Wireless Network
- D. WAP

ANSWER: A

293. When a router needs to send a packet destined for another network, it must know the

- A. IP Address
- B. Datagram
- C. Medium
- D. Flow

ANSWER: A

294. In network addresses, each router has two _____.

- A. Segments
- B. Blocks
- C. Address
- D. Masks

ANSWER: C

295. _____ is actually a multipoint repeater. It is normally used to create connections between stations in a physical star topology.

- A. Active Hub
- B. Passive Hub
- C. Both active and passive
- D. None

ANSWER: A

296. A _____ can check the MAC addresses contained in the frame.

- A. Hub
- B. Router
- C. Bridge
- D. Network

ANSWER: C

297. In _____ When a packet arrives at one port, it is copied to the other ports so that all segments of the LAN can see all packets.

- A. Router
- B. Hub
- C. Bridge
- D. Network

ANSWER: B

298. _____ hubs which collect wiring from nodes and power supply from active hub. These hubs relay signals onto the network without cleaning and boosting them.

- A. Extended
- B. Modular
- C. Active
- D. Passive

ANSWER: D

299. To connect the router to the internet need a _____ to the internet service provider's website.

- A. ISP
- B. MAC address
- C. Link
- D. Protocols

ANSWER: B

300. Servers are other computer which provide resources to other computer connected by

- A. Super computer
- B. Mainframe
- C. Network
- D. Client

ANSWER: C

304. Which protocol resolves an IP address to a physical network address?

- A. DNS
- B. SNMP
- C. ARP
- D. RARP

ANSWER: C

301. Which type of topology is in an infrastructure wireless network?

- A. Mesh
- B. Ring
- C. Star
- D. Bus

ANSWER: C

305. What is the most common type of connector used in Ethernet cables?

- A. RJ-16
- B. RJ-45
- C. BNC
- D. USB

ANSWER: B

302. How many bits are there in the Ethernet address?

- A. 16 bits
- B. 32 bits
- C. 48 bits
- D. 64 bits

ANSWER: C

306. Which service is used to anonymously browse the internet by hiding the user's IP address?

- A. DNS
- B. DHCP
- C. Proxy Service
- D. Web Service

ANSWER: C

303. The computer is experiencing a network problem. The first thing you do is determine that the Broadcom Ethernet NIC is working by checking Device Manager. This is also known as...

- A. Verify the physical connectivity
- B. Verify the ip configuration
- C. Verify the network adapter
- D. Verify the network connectivity

ANSWER: C

307. SMTP is used for

- A. Sending emails
- B. Receiving emails
- C. Storing emails
- D. Filtering emails

ANSWER: A

308. After confirming drivers, plugging in cable, checking ipconfig (and fixing any issue) you go to test your connection through the PING command. All tests GOOD. This is also known as...

- A. Verify the physical connectivity
- B. Verify the ip configuration
- C. Verify the network adapter
- D. Verify the network connectivity

ANSWER: D

309. The role of RADIUS in network security is;

- A. To provide encryption for data transmissions
- B. To authenticate and authorize users accessing the network
- C. To filter and block malicious traffic
- D. To resolve IP addresses to MAC addresses

ANSWER: B

310. How does a firewall protect a network?

- A. By monitoring user activity
- B. By blocking all incoming traffic
- C. By allowing all outgoing traffic
- D. By filtering network traffic

ANSWER: D

311. Which device allows multiple computers to share a single Internet connection?

- A. Hub
- B. Repeater
- C. Router
- D. Bridge

ANSWER: C

312. If you are using a public system and you want to do a financial transaction, which method should you choose?

- A. Private window / Incognito mode
- B. Normal mode
- C. Install a new web browser
- D. Something else

Answer: A

313. Main component of Hypernet software infrastructure?

- A. Blockchain Resource Scheduler.
- B. The API is based on the principle of distributed average consensus
- C. Hypernet operating environment
- D. All of the mentioned

Answer: D

314. Which network security device can monitor and analyze network traffic to identify potential threats?

- A. Firewall
- B. IDS
- C. Switch
- D. Router

ANSWER: B

315. Hypernet ecosystem includes _____ of computing power.

- A. Buyers and sellers
- B. Producer and consumer
- C. Company and User
- D. Something else

ANSWER: A

Directorate General of Training

316. What is the range of IP addresses for a Class B network?

- A. 1.0.0.0 to 126.0.0.0
- B. 128.0.0.0 to 191.255.255.255
- C. 192.0.0.0 to 223.255.255.255
- D. 224.0.0.0 to 239.255.255.255

ANSWER: B

317. TeamViewer.exe is a legitimate executable file developed by _____

- A. TeamViewer GmbH
- B. Dream Viewer
- C. BlackBerry
- D. None

ANSWER: A

318. What is DNS caching?

- A. Compressing DNS data
- B. Encrypting DNS traffic
- C. Storing DNS records locally to improve performance
- D. Protecting DNS servers from attacks

ANSWER: C

319. Which network device is used to connect two or more network segments and reduce collisions?

- A. Hub
- B. Bridge
- C. Router
- D. Repeater

ANSWER: B

320. Which network security tool can simulate an environment to attract and analyze potential attackers?

- A. Honeypot
- B. IDS
- C. Firewall
- D. VPN

ANSWER: A

321. Which security feature prevents a user from accessing websites that may contain malware or inappropriate content?

- A. Content Filtering
- B. Encryption
- C. Hashing
- D. Authentication

ANSWER: A

322. What is the color code standard used for Ethernet cables?

- A. TIA/EIA 568A
- B. EIA/TIA 568B
- C. Both A and B
- D. There is no standard color code

ANSWER: C

323. What is the difference between TCP and UDP?

- A. TCP is connection-oriented, UDP is connectionless
- B. TCP is slower than UDP
- C. TCP is unreliable, UDP is reliable
- D. TCP is used for video streaming, UDP is used for email

ANSWER: A

324. Which amongst these is a valid Class B IP address?

- A. 192.168.0.1
- B. 10.1.1.1
- C. 172.16.0.1
- D. 224.0.0.1

ANSWER: C

328. What is the function of the show interfaces command on a router?

- A. To display the configuration of interfaces
- B. To display interface statistics
- C. To reset the interfaces
- D. To shut down the interfaces

ANSWER: B

325. Which layer of the OSI model is responsible for logical addressing?

- A. Data Link
- B. Network
- C. Transport
- D. Physical

ANSWER: B

329. Which command is used to disable an interface on a switch?

- A. shutdown
- B. disable interface
- C. interface down
- D. no enable

ANSWER: A

326. What is ipconfig?

- A. A network utility to display network configuration information
- B. A network protocol
- C. A network device
- D. A network topology

ANSWER: A

330. What is the purpose of IMAP IDLE?

- A. To check for new emails periodically
- B. To keep a continuous connection to the server
- C. To delete emails from the server
- D. To improve email security

ANSWER: B

327. What is FTP active mode?

- A. A mode where the data connection is initiated by the server
- B. A mode where the data connection is initiated by the client
- C. A mode where no data connection is established
- D. A mode where data is transferred without encryption

ANSWER: B

331. What is IMAP4rev1?

- A. An updated version of IMAP with improved features
- B. A security protocol for IMAP
- C. A compression method for IMAP
- D. A type of IMAP client

ANSWER: A

332. What is a DNS zone?
- A. A collection of DNS records for a specific domain
 - B. A geographical region served by a DNS server
 - C. A type of DNS record
 - D. A DNS server

ANSWER: A

333. How does DNS work?
- A. By using a hierarchical database of domain names and IP addresses
 - B. By storing all domain names and IP addresses in a single database
 - C. By using a centralized server to manage all domain names
 - D. By using peer-to-peer technology

ANSWER: A

334. What is a DNS resolver?
- A. A software application that queries DNS servers
 - B. A hardware device that stores DNS information
 - C. A network protocol
 - D. A type of DNS record

ANSWER: A

335. How does SNMP work?
- A. By using a manager-agent model
 - B. By using a client-server model
 - C. By using a peer-to-peer model
 - D. By using a hybrid model

ANSWER: A

336. What are SNMP messages?
- A. Get, Set, Trap
 - B. Request, Response, Error
 - C. Send, Receive, Acknowledge
 - D. Connect, Data, Disconnect

ANSWER: A

337. What is the default mode of operation for an Ethernet switch port?
- A. Access
 - B. Trunk
 - C. Hybrid
 - D. Monitor

ANSWER: A

338. What is tracer?
- A. A network utility to trace the route of packets
 - B. A network protocol
 - C. A network device
 - D. A network topology

ANSWER: A

339. What is SNMPv3?
- A. The latest version of SNMP with improved security
 - B. An older version of SNMP
 - C. A specific type of SNMP message
 - D. A network management tool

ANSWER: A

340. How does SMTP work?
- A. By using a client-server model
 - B. By using a peer-to-peer model
 - C. By using a cloud-based system
 - D. By using a hybrid model

ANSWER: A

341. What is the role of SMTP in email communication?
- A. Sending emails
 - B. Receiving emails
 - C. Storing emails
 - D. Delivering emails to the final recipient

ANSWER: A

342. What is the relationship between SMTP and POP3/IMAP?
- A. SMTP is used for sending emails, while POP3/IMAP is used for receiving emails
 - B. SMTP and POP3/IMAP are used for the same purpose
 - C. SMTP is a replacement for POP3/IMAP
 - D. SMTP and POP3/IMAP are not related

ANSWER: A

343. What is WINS?
- A. A name resolution service for NetBIOS names
 - B. A dynamic host configuration protocol
 - C. A network management protocol
 - D. A security protocol

ANSWER: A

344. How does WINS work?
- A. By maintaining a database of NetBIOS names and IP addresses
 - B. By using DNS to resolve NetBIOS names
 - C. By broadcasting NetBIOS name requests
 - D. By using a peer-to-peer approach

ANSWER: A

345. What is the purpose of the show running-config command on a switch?
- A. To display the current operating system version
 - B. To display the active configuration in memory
 - C. To display all connected devices
 - D. To restart the switch

ANSWER: B

346. Which of the following media access methods is used by Ethernet?
- A. Token Passing
 - B. CSMA/CD
 - C. Polling
 - D. FDMA

ANSWER: B

347. What media access control method does Wi-Fi use?
- A. Token Ring
 - B. CSMA/CA
 - C. CDMA
 - D. Polling

ANSWER: B

348. Which of the following is a RESTful web service method?

- A. CONNECT
- B. POST
- C. REPEAT
- D. TRACE

ANSWER: B

352. Which protocol is used to invoke web services in a standardized way?

- A. SOAP
- B. TCP
- C. ICMP
- D. SNMP

ANSWER: A

349. In which layer of the OSI model do switches operate?

- A. Physical
- B. Data Link
- C. Network
- D. Transport

ANSWER: B

353. Which layer of the TCP/IP model is responsible for routing packets?

- A. Application layer
- B. Transport layer
- C. Internet layer
- D. Network access layer

ANSWER: C

350. What media access method is used in a Token Ring network?

- A. CSMA/CD
- B. CSMA/CA
- C. Polling
- D. Token Passing

ANSWER: D

354. Which layer of the TCP/IP model is responsible for data transfer between applications?

- A. Application layer
- B. Transport layer
- C. Internet layer
- D. Network access layer

ANSWER: A

351. Which media access method is used by CDMA networks?

- A. FDMA
- B. TDMA
- C. CDMA
- D. CSMA/CA

ANSWER: C

355. What is the difference between a dial-up and broadband connection?

- A. Dial-up is slower and uses a phone line, while broadband is faster and uses various technologies
- B. Dial-up is faster and uses a phone line, while broadband is slower and uses various technologies
- C. There is no difference between dial-up and broadband
- D. Dial-up is used for wired connections, while broadband is used for wireless connections

ANSWER: A

356. Which device forwards data to all ports regardless of the destination?

- A. Hub
- B. Switch
- C. Router
- D. Bridge

ANSWER: A

357. Which device is typically used to divide a network into smaller, manageable segments?

- A. Router
- B. Switch
- C. Bridge
- D. Hub

ANSWER: C

358. What device converts digital signals to analog signals and vice versa for communication over telephone lines?

- A. Switch
- B. Modem
- C. Router
- D. Bridge

ANSWER: B

359. Which network device uses MAC addresses to forward data to the correct destination?

- A. Router
- B. Switch
- C. Hub
- D. Modem

ANSWER: B

360. Which device connects different types of networks and converts data formats if necessary?

- A. Switch
- B. Router
- C. Bridge
- D. Gateway

ANSWER: D

361. Which device provides a wireless network interface for devices to connect to a wired network?

- A. Hub
- B. Switch
- C. Wireless Access Point
- D. Repeater

ANSWER: C

362. Which device is responsible for forwarding packets based on IP addresses?

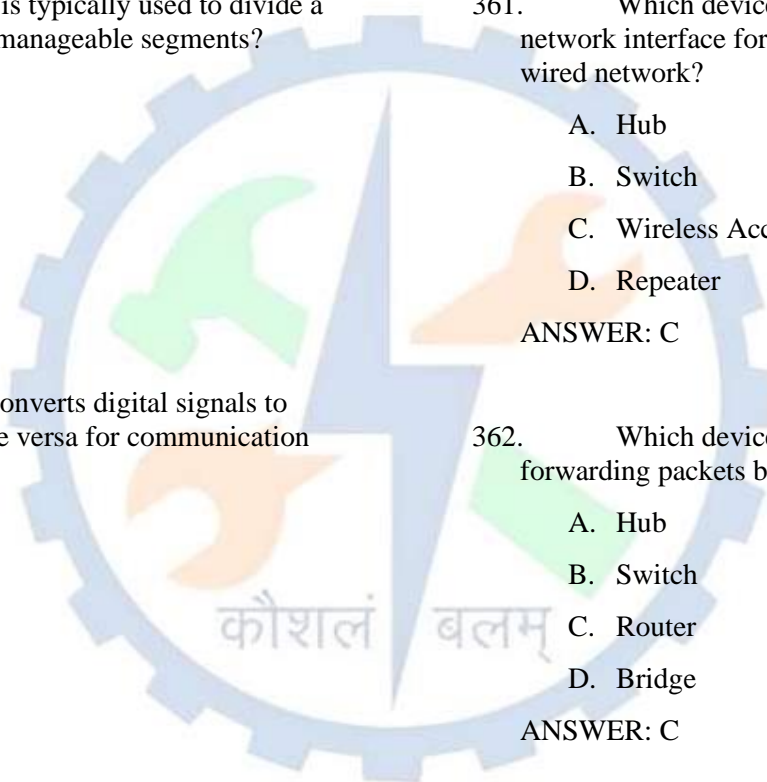
- A. Hub
- B. Switch
- C. Router
- D. Bridge

ANSWER: C

363. Which device is commonly used to create a boundary between two or more networks, typically for security purposes?

- A. Router
- B. Firewall
- C. Switch
- D. Repeater

ANSWER: B



364. Which device can be used to detect and prevent malicious activities on a network?

- A. Switch
- B. Firewall
- C. Intrusion Detection System (IDS)
- D. Repeater

ANSWER: C

365. Which encryption protocol is commonly used to secure data transmitted over a network?

- A. SSL/TLS
- B. HTTP
- C. FTP
- D. Telnet

ANSWER: A

366. What is the main purpose of using a proxy server in network security?

- A. To filter and cache web content
- B. To monitor network performance
- C. To encrypt network traffic
- D. To share files between computers

ANSWER: A

367. Which LAN security measure involves restricting access to specific devices based on their MAC address?

- A. IP Filtering
- B. MAC Address Filtering
- C. Content Filtering
- D. Port Filtering

ANSWER: B

368. Which security technique ensures that only authorized users can access specific network resources?

- A. Authentication
- B. Encryption
- C. Content Filtering
- D. VPN

ANSWER: A

369. Which device is used to prevent unauthorized access to a wireless network?

- A. Switch
- B. Access Point
- C. Wireless Router
- D. Firewall

ANSWER: D

370. What is the primary purpose of a Virtual Private Network (VPN)?

- A. To filter web content
- B. To encrypt data and provide secure remote access
- C. To monitor network traffic
- D. To share files between computers

ANSWER: B

371. What type of security policy involves restricting network access based on the time of day or location?

- A. Role-based Access Control (RBAC)
- B. Time-based Access Control
- C. Location-based Access Control
- D. Network Segmentation

ANSWER: B

372. Which device is typically used to segment a network into secure and unsecure zones?

- A. Hub
- B. Firewall
- C. Router
- D. Switch

ANSWER: B

373. Which protocol is used by RARP to obtain the IP address corresponding to a MAC address?

- A. ARP
- B. DHCP
- C. DNS
- D. ICMP

ANSWER: A

374. Which protocol is used by RADIUS for authentication and accounting?

- A. TCP
- B. UDP
- C. ICMP
- D. FTP

ANSWER: B

375. Which VPN protocol provides data integrity and confidentiality through encryption?

- A. L2TP
- B. OpenVPN
- C. PPTP
- D. GRE

ANSWER: B

376. Which of the following is a characteristic of asynchronous communication?

- A. Real-time data exchange
- B. No need for synchronization
- C. Continuous data flow
- D. Both sender and receiver are active simultaneously

ANSWER: B

377. Which protocol is often used to establish a VPN connection over the internet?

- A. DNS
- B. IPsec
- C. FTP
- D. DHCP

ANSWER: B

378. Which type of VPN is typically used to connect two or more corporate networks over a public network?

- A. Client-to-Site VPN
- B. Intranet VPN
- C. Site-to-Site VPN
- D. Extranet VPN

ANSWER: C

379. What is the function of the RARP protocol in a network?

- A. To map IP addresses to MAC addresses
- B. To retrieve an IP address given a MAC address
- C. To translate domain names into IP addresses
- D. To route data packets between networks

ANSWER: B

380. Which tunneling protocol is often used in combination with IPsec for a secure VPN?

- A. PPTP
- B. L2TP
- C. GRE
- D. HTTPS

ANSWER: B

381. Which protocol is responsible for translating an IP address into a MAC address?

- A. ARP
- B. RARP
- C. DNS
- D. DHCP

ANSWER: A

382. What is the role of RADIUS in network security?

- A. To provide encryption for data transmissions
- B. To authenticate and authorize users accessing the network
- C. To filter and block malicious traffic
- D. To resolve IP addresses to MAC addresses

ANSWER: B

383. Which VPN protocol is known for its simplicity and ease of use but has weaker security features?

- A. PPTP
- B. IPsec
- C. L2TP
- D. OpenVPN

ANSWER: A

384. What is the role of a reverse proxy?

- A. To monitor outgoing traffic
- B. To provide access control
- C. To distribute incoming requests to multiple servers
- D. To cache web content

ANSWER: C

385. Which security mechanism ensures that sensitive data is unreadable by unauthorized users?

- A. Hashing
- B. Encryption
- C. Authentication
- D. Content Filtering

ANSWER: B

386. Which communication method requires both the sender and receiver to be active at the same time for data exchange?

- A. Asynchronous Communication
- B. Synchronous Communication
- C. Half-Duplex Communication
- D. Full-Duplex Communication

ANSWER: B

387. Which port number is used for the SSH protocol?

- A. 20
- B. 22
- C. 23
- D. 25

ANSWER: B

388. What is the disadvantage of POP?
- A. Limited email storage
 - B. Slow download speeds
 - C. Emails are deleted from the server after download
 - D. Security vulnerabilities

ANSWER: C

389. Which layer of the OSI model is responsible for flow control?
- A. Network
 - B. Data Link
 - C. Transport
 - D. Session

ANSWER: C

390. Which OSI layer is responsible for data formatting and translation?
- A. Physical
 - B. Presentation
 - C. Application
 - D. Transport

ANSWER: B

391. Which protocol is often used as a secure web service?
- A. FTP
 - B. HTTPS
 - C. SNMP
 - D. Telnet

ANSWER: B

392. What is a web server?
- A. A network device
 - B. A software application
 - C. A type of hardware
 - D. A computer that hosts websites

ANSWER: D

393. Which method is commonly used to provide stateless communication in web services?
- A. SOAP
 - B. REST
 - C. FTP
 - D. SMTP

ANSWER: B

394. Which of the following is an example of asynchronous communication?
- A. Phone call
 - B. Instant messaging
 - C. Video conference
 - D. Email

ANSWER: D

395. Which technology is used to ensure that data has not been altered during transmission?
- A. Encryption
 - B. Hashing
 - C. Authentication
 - D. Phishing

ANSWER: B

Directorate General of Training

396. What is the primary purpose of a Demilitarized Zone (DMZ) in network security?
- A. To store sensitive data
 - B. To isolate public-facing services from the internal network
 - C. To filter email content
 - D. To manage network traffic

ANSWER: B

397. Which type of attack involves overwhelming a network with a flood of traffic to disrupt service?
- A. Phishing
 - B. Man-in-the-Middle
 - C. SQL Injection
 - D. Denial of Service (DoS)

ANSWER: D

398. What is the function of a load balancer in a network?
- A. To filter traffic
 - B. To distribute traffic across multiple servers
 - C. To amplify signals
 - D. To translate IP addresses

ANSWER: B

399. What is port 21 used for?
- A. HTTPS
 - B. FTP
 - C. SMTP
 - D. DNS

ANSWER: B

400. Which device filters traffic between different segments of a network and operates at the Network layer?
- A. Hub
 - B. Switch
 - C. Router
 - D. Bridge

ANSWER: C

401. Which network device can regenerate a signal to extend its transmission distance?
- A. Switch
 - B. Router
 - C. Repeater
 - D. Hub

ANSWER: C

402. Which method is used by SOAP to send data over the network?
- A. REST
 - B. XML
 - C. JSON
 - D. HTML

ANSWER: B

403. What is the difference between a well-known port and a registered port?
- A. Well-known ports are assigned by IANA, registered ports are assigned by organizations
 - B. Well-known ports are for client applications, registered ports are for server applications
 - C. Well-known ports are secure, registered ports are not
 - D. There is no difference

ANSWER: A

404. What is FTP used for?
- A. Managing network devices
 - B. Sending emails
 - C. Transferring files between computers
 - D. Browsing the web

ANSWER: C

405. FTP active mode is
- A. A mode where the data connection is initiated by the server
 - B. A mode where the data connection is initiated by the client
 - C. A mode where no data connection is established
 - D. A mode where data is transferred without encryption

ANSWER: B

406. Which class of IP addresses is used for large networks and can have over 16 million hosts?
- A. Class A
 - B. Class X
 - C. Class C
 - D. Class Y

ANSWER: A

407. What device is used to connect devices within a single network segment?
- A. Hub
 - B. Switch
 - C. Router
 - D. Modem

ANSWER: B

408. Which class of IP addresses is used for multicast groups?
- A. Class X
 - B. Class Y
 - C. Class A
 - D. Class D

ANSWER: D

409. Which class of IP addresses is typically used for small networks with up to 254 hosts?
- A. Class A
 - B. Class X
 - C. Class C
 - D. Class B

ANSWER: C

410. Which protocol do the routed daemons support?
- A. RIP
 - B. RIPng
 - C. HELLO
 - D. ICMP

Answer: A

411. How many account policy each domain can have ?
- A. Ony one account policy
 - B. Two account policy
 - C. No account policy
 - D. Something else

Answer: A

412. WPS(Wi-Fi Protected Setup) is:
- A. It is a wireless network security standard that tries to make connections between a router and wireless devices faster and easier.
 - B. All are true
 - C. WPS works without the WPA Personal or WPA2 Personal security protocols.
 - D. WPS works on wireless networks that are using the deprecated WEP security.

ANSWER: A

413. Which type of topology is in an adhoc wireless network?
- A. Star
 - B. Mesh
 - C. Bus
 - D. Ring

ANSWER: B

414. When troubleshooting network connectivity or application-specific issues one of the first things to check should be what _____ are actually in use on your system.

- A. Ports
- B. Modes
- C. Connections
- D. Server

ANSWER: A

415. Which of the following statement is true for Telnet:

- A. Telnet is a user command and an underlying TCP/IP protocol.
- B. Through Telnet, an administrator or another user can access someone else's computer remotely.
- C. With Telnet, you log on as a regular user
- D. All of the mentioned

ANSWER: D

416. Once Telnet is installed in our client machine we need to:

- A. Start communication with the main host server.
- B. Share FS.
- C. Configure firewall to allow telnet service and traffic
- D. Unblock all the ports.

ANSWER: C

417. Network switch is :

- A. Networking hardware that connects all devices together on a LAN (Local Area Network).
- B. Software device to redirect the data
- C. Both hardware and software which sends data via WAN.
- D. None

ANSWER: A

418. In wireless distribution system _____

- A. multiple access point are inter-connected with each other
- B. there is no access point
- C. only one access point exists
- D. access points are not required

ANSWER: A

419. The wireless access points:

- A. provide a means for the data to travel from the wireless network to the client.
- B. provide a means for the data to travel from the shared network to the client.
- C. All are true
- D. Provide a means for the data to travel from the wired network to the client.

ANSWER: A

420. Some factors to be considered while managing broadband is/are:

- A. Downlink and uplink speed
- B. Bandwidth
- C. All factors are contributing
- D. Usage of Network

ANSWER: C

421. The command used to show several details about the path that a packet takes from the computer or device you're on to whatever destination you specify is:

- A. TRACERT
- B. IFCONFIG
- C. WGET
- D. DYNO

ANSWER: A

422. What device provides a bridging point for different communications technologies and forwards outbound and inbound traffic on a switched network.

- A. WAN Switch
- B. LAN Switch
- C. Hub
- D. Router

ANSWER: D

423. Which of the following is considered a standard NTFS permission?

- A. List Folder Contents
- B. Read Extended Attributes
- C. Create Folders/Append Data
- D. List Folder/Read Data

ANSWER: D

424. You want a user to take ownership of a file or folder that she did not create. Which of the following groups do you not add her to?

- A. Administrators group
- B. Backup Operators group
- C. Creator/Owner special identity
- D. Server Operators group

ANSWER: C

425. Which of the following statements is true of global groups?

- A. Global groups can include only users from within their domain.
- B. Global groups can include users from any domain in the tree.
- C. Global groups can include users from any domain in the forest.
- D. Global groups can include users from any domain in Active Directory

ANSWER: A

426. How many processors does the 64-bit version of Windows Server 2003 Datacenter Edition support?

- A. 4
- B. 8
- C. 32
- D. 64

ANSWER: D

427. Which of the following protocols is used by Remote Desktop and Remote Assistant?

- A. RDP
- B. SMTP
- C. ICMP
- D. PPPoE

ANSWER: A

428. There are two PC's with the IP addresses of 200.11.10.22 and 202.22.9.0 respectively. The PC will be able to:

- A. communicate via bridge
- B. communicate via switch
- C. communicate via hub
- D. communicate via router

ANSWER: D

429. What does a router do with a packet that it does not have a destination network for?

- A. Drops the packet
- B. Sends it to the serial port
- C. Forward the packet to the next hop
- D. Send it back to the same interface it was received

ANSWER: A

430. When extending an existing wireless network, if additional access points must be installed, the design issues of overlap, redundancy, and _____ must also be considered.

- A. Operating Range
- B. Data Transfer
- C. Capacity
- D. Roaming

ANSWER: D

431. Which of the following holds true for bridges:

- A. bridges are simple and significant and reduce the amount of network traffic on a segment.
- B. Bridges do not isolate a busy network from a not-so-busy one.
- C. A bridge functions by keeping data and forwarding to all the devices.
- D. All are true

ANSWER: A

432. Which of the following holds true in case of hub?

- A. In a hub, a frame is passed along or "broadcast" to every one of its ports and hub has no way of distinguishing which port a frame should be sent to.
- B. In a hub a frame is restricted to ports and we can distinguish which port it needs to be sent to.
- C. Hub is faster than switch as it can send or receive information just not at the same time.
- D. All are true

ANSWER: A

433. What will you do if you receive this message in your system, "One or more network protocols are missing on this computer".

- A. Reset system
- B. Disable 3rd Party Firewall or Security Suite
- C. Uninstall Network Adapters Using Device Manager
- D. All are true

ANSWER: B

434. Which among the following is the least strong security encryption standard?

- A. WAP3
- B. WAP
- C. WEP
- D. WAP2

ANSWER: C

435. A _____ review the destination of the packet before sending. If the destination address is not on the other side of the bridge it will not transmit the data.

- A. Hub
- B. Router
- C. Bridge
- D. CAN

ANSWER: C

436. Broadband service through DSL Provides:

- A. Wireline transmission technology that transmits data faster over traditional copper telephone lines already installed
- B. Wireless transmission technology that transmit data through cabel.
- C. Wireline transmission technology that transmits data through coaxial cables.
- D. None of the mentioned

ANSWER: A

437. Which of the following is/are true for defining a router:

- A. The router is the device that connects several networks or segments to form a larger internetwork.
- B. The router is the device that facilitates communication within this internetwork.
- C. The router makes the selections about how best to send packets within the network so that they arrive at their destination.
- D. All statements define router.

ANSWER: D

438. The user management feature in managed switches allow to:

- A. Give controlled access to multiple user
- B. Allow all users to access the network
- C. Partial controll over devices.
- D. Full controll to all the devices.

ANSWER: A

439. Sending address,destination address and the data are major components in

- A. Building a physical Network Infrastructure
- B. TCP/IP packet sent over ethernet
- C. Building MAC address
- D. Having connectivity with local network via router.

ANSWER: B

440. When the ports are connected by default connections in linux server which of the statement is true?

- A. We need to connect the sub ports also.
- B. The associated port gets connected automatically.
- C. All the connections need to be done manually.
- D. Ports are blocked.

ANSWER: B

441. Installing an unmanaged switch involves:

- A. All the options
- B. Connect an Ethernet cable from each device that will share the network connection to an open port on the switch.
- C. Disconnect all the devices from uplink.
- D. Uninstall OS

ANSWER: B

442. The right to use a domain name is delegated by domain name registers which are accredited by _____
- A. internet architecture board
 - B. internet society
 - C. internet research task force
 - D. internet corporation for assigned names and numbers

ANSWER: D

443. The domain name system is maintained by _____
- A. distributed database system
 - B. a single server
 - C. a single computer
 - D. none of the mentioned

ANSWER: A

444. After obtaining the IP address, to prevent the IP conflict the client may use _____
- A. internet relay chat
 - B. broader gateway protocol
 - C. address resolution protocol
 - D. none of the mentioned

ANSWER: C

445. You install Windows NT Server on a computer, making the computer a backup domain controller in an existing domain. After installation, you discover that you used the wrong domain name. What should you do?
- A. Change the domain name by using Control Panel
 - B. Modify the domain name in the Registry
 - C. Reinstall Windows NT Server
 - D. Change the domain name by using the Emergency Repair disk

Answer D

446. Windows Naming Service (WINS)
- A. dynamically allocates IP addresses to client computers
 - B. runs on Windows NT W/S
 - C. resolves computer names to IP addresses
 - D. Increases broadcast traffic

ANSWER: C

447. If a server has no clue about where to find the address for a hostname then _____
- A. server asks to the root server
 - B. server asks to its adjacent server
 - C. request is not processed
 - D. none of the mentioned

ANSWER: A

448. What tool is used to enable Remote Desktop on a server?
- A. Terminal Services Manager
 - B. Terminal Services Conguration
 - C. System Properties in Control Panel
 - D. Terminal Services Licensing

ANSWER: C

449. Network backup devices most commonly use which drive interface?
- A. IDE
 - B. SCSI
 - C. USB
 - D. Parallel port

ANSWER: B

450. What determines the assignment of data classifications in a mandatory access control (MAC. philosophy)?

- A. The analysis of the users in conjunction with the audit department
- B. The assessment by the information security department
- C. The users evaluation of a particular information element
- D. The organizations published security policy for data classification

ANSWER: D

451. Which e-mail standard relies on "Web of Trust"?

- A. Pretty Good Privacy (PGP)
- B. Privacy Enhanced Mail (PEM)
- C. MIME Object Security Services (MOSS)
- D. Secure Multipurpose Internet Mail Extensions (S/MIME)

ANSWER: A

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ANSWER: D

453. What are the modes routing daemons operate in?

- A. Passive and active
- B. Active
- C. Passive
- D. Passive or active

Answer: D

454. Which protocol is supported by the gated daemons?

- A. BGP
- B. OSPF
- C. SNMP
- D. all

Answer: D

455. In which mode dynamic routing daemons must be run?

- A. Passive
- B. active
- C. Static
- D. VIRTUAL

ANSWER: A

456. RIP protocol is enhanced to RIPng to support what?

- A. IPv4
- B. IPvX
- C. IPv6
- D. IP

Answer: C

457. What decides the number of gateways we need to configure?

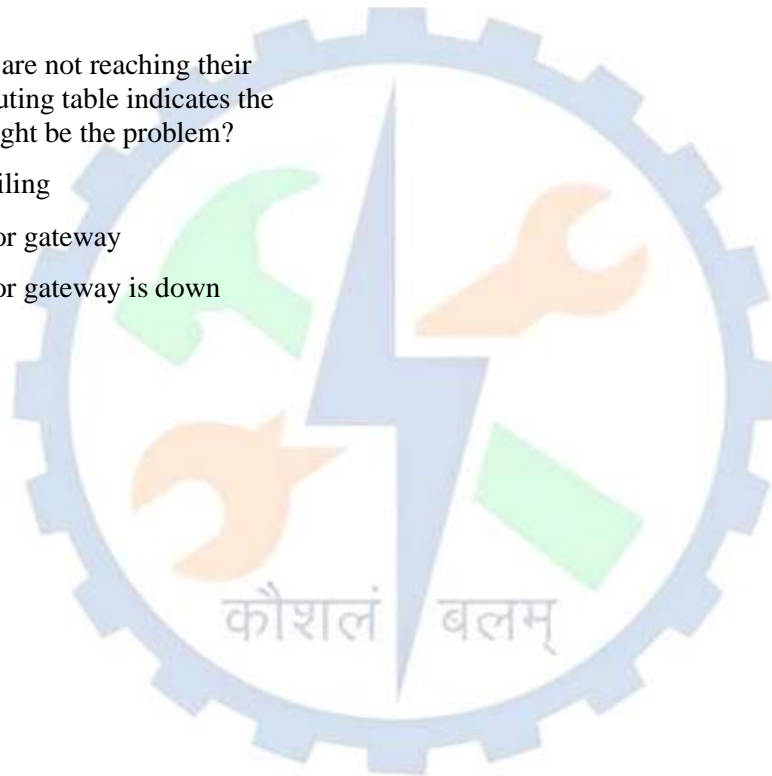
- A. The number of networks you want to connect
- B. How you want to connect the networks
- C. The level of activity on the connected networks
- D. All

Answer: D

458. When frames are not reaching their destination and the routing table indicates the correct route, what might be the problem?

- A. Network is failing
- B. Remote host or gateway
- C. Remote host or gateway is down
- D. All

Answer: D



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