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These 151 questions are current as of: Wednesday, December 08, 1999

Q1. All but one of the following is an OSI layer, which is NOT?

A. *Application*
B. *System*
C. *Network*
D. *Physical*

Q2. Which of the following are connection-oriented protocols? (Choose all that apply)

A. *TCP*
B. *IP*
C. *FTP*
D. *ICMP*
E. *SNA*

Q3. Which following class of addresses contains the least number of hosts available?

A. *Class A*
B. *Class B*
C. *Class C*
D. *Class D*
E. *Class E*

Q4. The OSI model is rarely used as a training tool for network engineers?

True/False

Q5. Bits are converted to frames at which layer of the OSI model? (Choose all that apply)

A. *Physical*
B. *Data link*
C. *Layer 2*
D. *Layer 3*

Q6. It takes three packets to start a TCP session, how many packets are used to close it?

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

Q7. Routing of IP is a function of which OSI layer?

A. *Physical*
B. *Data link*
C. *Mac-sublayer*
D. *Network*

Q8. What WAN protocols used CHAP authentication?

A. *Frame relay*
B. *ISDN*
C. *X25*
D. *PPP*

Q9. Frame relay is what type of protocol?

A. *Routing*
B. *Routed*
C. *Connection oriented*
D. *Connection-less*

Q10. How do you create a sub-interface on S0 on a Cisco 2501?

A. *interface s0.1*
B. *interface s0.1 point-to-point*
C. *int s 0*
D. *interface s0 sub-interface*

Q11. What IOS command was issued to display the following frame relay PVC's?

```
DLCI = 100, DLCI USAGE = LOCAL, PVC STATUS = DELETED, INTERFACE = Serial0

input pkts 0              output pkts 0            in bytes 0
  out bytes 0             dropped pkts 0           in FECN pkts 0
  in BECN pkts 0          out FECN pkts 0          out BECN pkts 0
  in DE pkts 0            out DE pkts 0
  out bcast pkts 0        out bcast bytes 0
  pvc create time 2w4d, last time pvc status changed 2w4d

DLCI = 201, DLCI USAGE = LOCAL, PVC STATUS = ACTIVE, INTERFACE = Serial0

  input pkts 1246439      output pkts 107608       in bytes 1648278439
  out bytes 9903984       dropped pkts 11          in FECN pkts 0
  in BECN pkts 0          out FECN pkts 0          out BECN pkts 0
  in DE pkts 0            out DE pkts 0
  out bcast pkts 70763      out bcast bytes 6821504
  pvc create time 2w6d, last time pvc status changed 1w3d
```

A. *show frame*
B. *show pvc*
C. *show frame pvc*
D. *show fr pvc*

Q12. To set an interface to PPP mode what IOS command is required? Assume you are in interface mode.

A. *ppp encapsulation*
B. *encapsulation ppp*
C. *set ppp*
D. *set encap ppp*

Q13. ISDN BRI is?

A. 2 x 64K B channels and one 64K D channel
B. 2 x 54K B channels and one 16k D channel
C. 2 x 64K B channels and one 16K D channel
D. 2 x 16k B channels and one 64k D channel

Q14. In ISDN what point of the network is best described as device having a Native ISDN interface?

A. S point
B. T point
C. TE1
D. TE2
E. TA

Q15. What IOS command will enable you to configure a native ISDN interface on a Cisco router? You must be in privileged mode

A. interface bri0
B. interface prio0
C. interface int 0
D. interface ISDN0

Q16. How do you log into a router in Privilege mode?

A. Use console port only
B. Use the Aux port
C. Type the enable password
D. You must be a Cisco TAC engineer

Q17. If you type a command on a Cisco router and you do not know the full syntax, what help function should you issue?

A. %
B. ?
C. #
D. More data required

Q18. If you do not want to retype an IOS command what can you use?

A. Use the up–arrow
B. Enter control <a>
C. Enter control <r>
D. Enter control <t>

Q19. What part of the router contains the configuration on startup?

A. RAM
B. NVRAM
C. ROM
D. Bootrom

Q20. What IOS command will copy the running config to NVRAM?

A. Copy running-config NVRAM
B. copy runn start
C. copy config runn
D. copy mem running-config

Q21. To set the enable password to CisCo, what IOS command should be issued in configuration mode?

A. enable password cisco
B. enable password CisCo
C. enable-password CiscCo
D. enable-password-CisCo

Q22. To view the router's startup configuration you must type which command?

A. show router config
B. show startup-config
C. view router-config
D. view startup-config

Q23. To enter setup mode on a router with no configuration you must type?

A. *Config*
B. *wr t*
C. *setup*
D. *tftp*

Q24. To copy the running config to a TFTP server, the correct syntax is:

copy running-config tftp ?

True or False

Q25. How do you backup a copy of IOS from a router to a TFTP server?

A. *Copy the flash to ROM*
B. *Copy the Flash to NVRAM then the a tftp server*
C. *Issue the command copy flash tftp*
D. *This feature is not yet released in the Cisco IOS*

Q26. To copy an IOS image from a TFTP server you must type the following command?

A. *copy flash server*
B. *flash copy server*
C. *copy tftp flash*
D. *copy server flash*

Q27. What is the default command to start routing IP?

A. *route ip*
B. *ip routing*
C. *no ip routing*
D. *ip init*

Q28. How do you list the current IPX servers in your network on a Cisco router?

A. *show ip route*
B. *show ipx route*
C. *show novell servers*

D. *show ipx server*

Q29. What is the IPX network for the following:

F.0280.4000.2000

A. *0280*
B. *0000000f*
C. *f*
D. *2000*

Q30. What is the class of IP address for the following network?

192.108.192.0

A. *Class A*
B. *Class B*
C. *Class C*
D. *Class D*
E. *Class E*

Q31. To configure the IP address of 131.108.1.1/24 on a Cisco router, the syntax is

ip _____ 131.108.1.1 _____

Answer: address and 255.255.255.0

Q32. To display your IP interfaces in a summary format you issue the IOS command?

show ip route summary

True/False

Q33. Which of the following is not a valid IPX encapsulation type?

A. *Novell*
B. *802.2 sap*
C. *Novell-ether*
D. *Cisco*

Q34. To enable IPX RIP routing on a Cisco Router interface you issue which command?

Q35. TCP operates at what layer of the OSI model?

A. 7
B. 6
C. 5
D. 4

Q36. Telnet uses what destination port number?

A. 21
B. 20
C. 23
D. telnet port is random

Q37. Ping uses what part of the TCP model?

A. ICMP
B. IP
C. TCP
D. UDP

Q38. Extended SAP access lists range from?

A. 100-200
B. 300-399
C. 1000-1100
D. 1000-1099

```
Router(config)#access-list ?
  <1-99>        IP standard access list
  <100-199>     IP extended access list
  <1000-1099>   IPX SAP access list
  <1100-1199>   Extended 48-bit MAC
  <200-299>     Protocol type-code AL
  <300-399>     DECnet access list
  <400-499>     XNS standard access list
  <500-599>     XNS extended access list
  <600-699>     Appletalk access list
  <700-799>     48-bit MAC address AL
  <800-899>     IPX standard access list
  <900-999>     IPX extended access list
```

Q39. To enable IP RIP routing, what IOS command must be entered?

A. router IP rip
B. ipx routing
C. router rip
D. router rip AS

Q40. True or False. To enable IGRP routing you must type?

router igrp

False: The AS number is required
router igrp 1   -----> for example

Q41. If you want to bridge a protocols out a routed interface you can use?

A. IBM Spanning tree
B. Integrated routing and bridging
C. SRB
D. TB
E. SR/TLB

Q42. IP RIP cans cause excessive routing updates when a router initially starts routing IP?

True/False

Q43. Routers are best segmented using more routers?

True/False

Q44. Standard IP access lists are in the range?

A. 1-99
B. 1-100
C. 101-199
D. 100-199

Q45. What IOS command was issued to view the following display?

```
Standard IP access list 1
    deny   150.100.0.0, wildcard bits
0.0.255.255
    permit any
Standard IP access list 2
    permit 10.1.1.10
    permit 10.1.1.0
    permit 137.10.9.0
    permit 150.100.0.0, wildcard bits
0.0.255.255
    permit 151.100.0.0, wildcard bits
0.0.255.255
    permit 137.10.253.0, wildcard bits
0.0.0.255
Standard IP access list 25
    permit 10.1.1.0, wildcard bits 0.0.0.0
```

A. show access-lists
B. show ip access-list
C. show access-list

Answer: This is an ip based access control list

Q46. LAN segmentation is best completed by?

A. Routers
B. Switches
C. Modems
D. Proxy Servers

Q47. Bridges can be used to segment LANs?

True/False

Q48. Routers are best suited to LAN segmentation that switches?

True/False

Q49. To set a password of CCNA on a Catalyst 5000 you must type the following?

 _____ password CCNA

Answer: set

Q50. What are two switching methods supported by Cisco Switches ?

A. Process switching
B. Cut through
C. Store and Cut
D. Store and forward

Q51. Full duplex Ethernet is supported by a Cisco 2501?

Answer: False

Q52. Ethernet networks can be considered congested at ____ utilization?

A. 10 %
B. 20 %
C. 30 %
D. 90 %

Q53. What are three benefits of LAN segmentation?

A. Management control
B. Broadcast control
C. Users authority
D. Security

Q54. The benefit of segmenting LANs with bridges is to?

A. Reduce broadcasts
B. Increases bandwidth available to end systems
C. Increases complexity.
D. Reduces users bandwidth

Q55. Fast Ethernet operates at?

A. 10 mb
B. 10x10 mb
C. 200mb at half duplex
D. 100 bps

Q56. What is the maximum distance of Fast Ethernet?

A. 10 m
B. 100m
C. 200 m
D. 1000m with fiber

Q57. When a packet arrives at a switch and the switch immediately sends the packets on receiving the source MAC-address, this is a form of _____ switching

Answer: cut through

Q58. IEEE spanning tree is defined in?

A. 802.2d
B. 801.2d
C. 802.1d
D. 802.1q

Q59. Which of the following is not a benefit of VLANs?

A. Cost
B. Multicast
C. Broadcast control
D. Reduce router interfaces required

Q60. A MAC-address is made up of what two entities?

A. IP address
B. Vendor code
C. Serial Number
D. Sales address

Q61. When an OSPF link state change is detected what is sent to other OSPF Routers?

A. A small slip of paper on a carrier pigeon to be manually entered by the network engineer
B. In the form of a completely new routing table
C. Via the route update protocol
D. Just the change is sent

Q62. OSPF uses which routing algorithm to quickly calculate a network's topology?

A. CIDR
B. VLSM
C. SPF
D. Metric

Q63. Micro segmentation with switches will?

A. Create additional broadcast domains
B. Create additional network segments
C. Create additional collision domains
D. Create VLANS

Q64. An introduction of a hub will create which of the following?

A. An additional broadcast domain
B. An additional collision domain
C. An additional network segment
D. None of the above

Q65. Which two of the following match the application with the appropriate layer 4 protocol?

A. FTP - TCP
B. TFTP - IP
C. Telnet - IP
D. SMTP - TCP
E. ECHO - TCP

Q66. Which of the following are true of full duplex?

A. Can be used between hubs
B. Can be used between switches
C. Can be used among Ethernet stations
D. Can be used between a switch and a router
E. All of the above

Q67. Which of the following describes frame filtering?

A. Examines information about a frame based on user defined offsets
B. Uses a frame filtering table
C. High level administrative control
D. Is similar in function to packet filtering in a router
E. All of the above

Q68. Which of the following are true of frame tagging?

A. uses a frame tagging table
B. high administrative overhead
C. assigns a user defined ID to each frame
D. the frame tag is removed when existing a trunk defined link

Q69. Which 3 of the following is true of: dad.0000.0c12.3456?

A. this is a MAC address
B. this is a IPX address
C. dad.0000 is the network portion
D. 12.3456 is the host portion
E. dad is the network portion
F. 0000.0c12.3456 is the host portion

Q70. What kind of services are provided by the Presentation Layer of the OSI Model?

A. JPEG
B. TIFF
C. PICT
D. EBCDIC to ASCII
E. MIDI
F. MPEG
G. QuickTime

Q71. Which IP class provides the fewest numbers of Hosts?

A. Class A
B. Class B
C. Class C
D. Class D
E. Class E

Q72. When you enter the following command: 'ip route 0.0.0.0 255.255.255.255 s0' you are telling the router to:

A. Route all traffic from network 0.0.0.0 to s0
B. Match all 32 bits of host address 0.0.0.0, and route to interface s0
C. Ignore all traffic destined to any other interface
D. This command statement will not work

Q73. You need to setup a router as a frame relay switch and connect another router to it. Will the following configurations work?

```
Router A - DCE cable is connected
frame-relay switching
!
interface Serial0
 no ip address
 encapsulation frame-relay IETF
 clockrate 2000000
 frame-relay lmi-type cisco
 frame-relay intf-type dce
!
interface Serial0.1 point-to-point
 ip address x.x.x.2 255.255.255.0
 frame-relay interface-dlci 102
!

Router B - DTE cable is connected
interface Serial0/4
 no ip address
 encapsulation frame-relay IETF
 frame-relay lmi-type cisco
!
interface Serial0/4.1 point-to-point
 ip address x.x.x.1 255.255.255.0
 frame-relay interface-dlci 102
```

Yes/No

Q74. Which of the following commands will correctly configure a router to start a RIP routing process?

A. conf t
   rip routing

B. conf t
   router rip
   network x.x.x.x

C. conf t
   rip router

D. conf t
   ip router rip

Q75. What is the correct sequence of keys to break out of a trace route in a Cisco router?

A. Ctrl+shift+6
B. Ctrl+shift+6 then x
C. Ctrl+shift+break
D. Ctrl+shift+x then break

Q76. Which OSI layer does IP operate at?

A. data link layer
B. network layer
C. transport layer
D. session layer

Q77. Which OSI layer does IPX operate at?

A. data link layer
B. network layer
C. transport layer
D. session layer

Q78. Which OSI layer does IPX RIP operate at?

A. data link layer
B. network layer
C. transport layer
D. session layer

Q79. What's the difference between enable password and enable secret?

Answer: enable secret is encrypted using the MD5 Encryption algorithm

Q80. What are the minimum commands needed to configure frame relay?

Answer:
(config-if)#encapsulation frame-relay
(config-if)#no shut

Q81. Is spit-horizon disable by default on Physical interface?

Answer: No

Q82. Is split-horizon disabled by default on a routers subinterface?

Answer: Yes

Q83. What is the purpose of the "ip unnumber" command?

Answer: To conserve ip addresses

Q84. An Internal IPX network number is required by what servers and protocols?

a) IPX RIP router
b) NLSP capable device
c) IPX server
d) NSLP server
e) All of the above

Q85. What commands are necessary to configure reverse telnet?

a) ip host <hostname> 2001 <loopback ip address>
b) transport input all
c) transport input none
d) a & b
e) a & c
f) a, b & c

Q86. What command(s) are used to configure a spoke router to talk to another spoke router in a typical Frame-relay Hub & Spoke topology?

Answer: frame-relay map ip <dest ip> <local dlci>

Q87. A Frame Relay DLCI is significant in what way?

a) locally
b) globally
c) to the csu/dsu
d) in the cloud

Q88. What is the default routing protocol for Novell?

a) *SAP*
b) *IP RIP*
c) *IPX RIP*
d) *OSPF*

Q89. What is the command to begin the ipx routing process on a Cisco Router?

Q90. UDP and TCP operate at what layer in the OSI model?

a) *Physical*
b) *Logical Link*
c) *Data Link*
d) *Network*
e) *Transport*
f) *Session*

Q91. Which layer of the OSI model provides the interface for network devices?

a) *Physical*
b) *Logical Link*
c) *Data Link*
d) *Network*
e) *Transport*
f) *Session*

Q92. Which layer of the OSI model provides synchronization between address and name databases?

a) *Physical*
b) *Logical Link*
c) *Data Link*
d) *Network*
e) *Transport*
f) *Session*

Q93. What is a Type 1 Link State Advertisement (LSA) in OSPF?

a) *Router Link Advertisements*
b) *Network Link Advertisements*
c) *ABR Summary Link Advertisements*
d) *ASBR Summary Link Advertisements*
e) *Autonomous System (AS) External Link Advertisements*
f) *Not-So-Stubby-Area (NSSA) Advertisements*

Q94. What is a Type 2 Link State Advertisement (LSA) in OSPF?

a) *Router Link Advertisements*
b) *Network Link Advertisements*
c) *ABR Summary Link Advertisement*
d) *ASBR Summary Link Advertisement*
e) *Autonomous System (AS) External Link Advertisement*
f) *Not-So-Stubby-Area (NSSA) Advertisements*

Q95. What is a Type 3 Link State Advertisement (LSA) in OSPF?

a) *Router Link Advertisements*
b) *Network Link Advertisements*
c) *ABR Summary Link Advertisement*
d) *ASBR Summary Link Advertisement*
e) *Autonomous System (AS) External Link Advertisement*
f) *Not-So-Stubby-Area (NSSA) Advertisements*

Q96. What is a Type 4 Link State Advertisement (LSA) in OSPF?

a) Router Link Advertisements
b) Network Link Advertisements
c) ABR Summary Link Advertisement
d) ASBR Summary Link Advertisement
e) Autonomous System (AS) External Link Advertisement
f) Not-So-Stubby-Area (NSSA) Advertisements

Q97. What is a Type 5 Link State Advertisement (LSA) in OSPF?

a) Router Link Advertisements
b) Network Link Advertisements
c) ABR Summary Link Advertisement
d) ASBR Summary Link Advertisement
e) Autonomous System (AS) External Link Advertisement
f) Not-So-Stubby-Area (NSSA) Advertisements

Q98. What is a Type 7 Link State Advertisement (LSA) in OSPF?

a) Router Link Advertisements
b) Network Link Advertisements
c) ABR Summary Link Advertisement
d) ASBR Summary Link Advertisement
e) Autonomous System (AS) External Link Advertisement
f) Not-So-Stubby-Area (NSSA) Advertisements

Q99. Which of the following are good rules to follow when designing an OSPF Area?

a) A contiguous backbone area must be present
b) All other OSPF areas must connect to the backbone area
c) Create Virtual Links as needed
d) VLSM is not necessary as OSPF will automatically subnet a network

Q100. When subnets and addressing is applied in numerical order this is known as?

a) logical segmentation
b) classful addressing
c) discontiguous addressing
d) contiguous addressing

Q101. What is the correct encapsulation steps?

a) user message, data, segment, packet, frame, bit
b) user message, bit, data, segment, packet, frame
c) data, user message, bit, segment, packet, frame
d) bit, frame, packet, segment, data

Q102. Which is not done by Application Layer?

a) Network Access
b) Transfer syntax
c) Flow control
d) Error recovery

Q103. Which layer defines how the cable is connected to Network Adapter?

a) Application
b) Network
c) Data Link
d) Physical

Q104. Which of the following is a WAN Protocol?

a) V.35
b) ATM
c) SDLC
d) 802.3

Q105. What methods are used to prevent Routing loop in Distant Vector protocols?

a) Defining Maximum no. Of Hops
b) Split Horizon
c) Poison Reverse
d) Hold Down Timers
e) Triggered Update

Q106. Which is not true for Link State Routing Protocols?

a) Exchange LSP
b) Construct a Topological Database with itself a root.
c) Run SPF algorithm
d) Periodically update it's routing table

Q107. Which command is not valid in a user exec mode?

a) show interface
b) show process CPU
c) show run
d) enable

Q108. To enable or disable terminal editing, your minimum privilege level needs to be?

a) user exec
b) privilege
c) global config mode
d) interface config mode

Q109. To check the configuration of NVRAM, which of the following are the valid commands?

a) show start
b) show startup-config
c) show config
d) show run

Q110. Which is not a valid situation for Ethernet?

a) Ethernet is up, Protocol is up
b) Ethernet is up, Protocol is down
c) Ethernet is down, Protocol is down
d) Ethernet is down, Protocol is up

Q111. Which are valid command if you want to save your configuration into NVRAM?

a) copy run start
b) copy tftp start
c) write mem

Q112. You want to disable CDP Broadcasts on a specific interface, which command will you use?

a) Router(config)# no cdp run
b) Router(config)# no cdp enable
c) Router(config-if)# no cdo run
d) Router(config-if)# no cdp enable

Q113. You want to check the information about a specific router i.e. RouterA, which will you give cdp information?

a) show cdp neigbour
b) show cdp neigbour RouterA
c) show cdp entry RouterA
d) show RouterA

Q114. Which of the following protocols use TCP?

a) FTP
b) Telnet
c) SNMP
d) SMTP

Q115. How many segments are needed to setup a TCP Connection?

a) 2
b) 3
c) 4
d) 1

Q116. UDP does not use windowing or acknowledge no. Because it is a?

a) connection oriented protocol
b) connection less protocols

Q117. Which are not Network Layer Protocols?

a) IP
b) ICMP
c) ARP
d) RARP
e) SNMP
f) LLC

Q118. How many ip addresses can be assigned against a particular host using the *ip host* command?

a) 5
b) 8
c) 5
d) 7

Q119. To stop a name service, what is the valid command?

a) no domain-lookup
b) no ip domain-lookup
c) no name service
d) no ip dns-lookup

Q120. TCP/IP connectivity can be checked using?

a) Ping
b) Trace
c) Telnet

Q121. How does IP routing learns destination?

a) Static routes
b) Manual routes
c) Default routes
d) Dynamic routes

Q122. How can you check the periodic update of RIP?

a) show ip protocol
b) show protocol
c) show rip
d) show running-config

Q123. What is not a valid metric for IGRP?

a) Bandwidth
b) Delay
c) Reliability
d) Loading

e) MTU
f) ticks

Q124. In the output of "show ip route" IGRP is represented by?

a) R
b) I
c) O
d) D

Q125. How can you configure an interface so that it does not send RIP Update?

a) Router(Config-if)#shutdown
b) Router(Config-router)#passive-interface
     <interface name>
c) Router(Config-if)#passive-interface rip
d) Router(Config-router)# shutdown <interface
     name>

Q126. An Industry-Standard datalink address is also known as a?

a) IP Address
b) MAC Address
c) Cable Number
d) CAM Table

Q127. The two key parts of a network level address are (choose two)?

a) A datalink address
b) A network address
c) A DNS address
d) A node address
e) A netbios name

Q128. A hub or repeater operates at which level(s) of the OSI model?

a) The application layer
b) The MAC layer
c) The physical layer
d) The network layer

e) *The Ethernet layer*

Q129. A router typically operates at which level of the OSI model?

a) *The application layer*
b) *The MAC layer*
c) *The physical layer*
d) *The network layer*
e) *The Ethernet layer*

Q130. A BRI is which type of telecommunications line?

a) *Frame-Relay*
b) *Analog Modem*
c) *ISDN Line*
d) *SMDS Cloud*

Q131. Which of the following encapsulation methods is Cisco proprietary, and can only be established between Cisco Routers?

a) *PPP*
b) *Frame Relay*
c) *HDLC*
d) *LAPD*
e) *ATM*

Q132. Which standards and protocols define the Layer 2 operation of ISDN Basic Rate Interfaces? (choose two)

a) *Q.931*
b) *LAPD*
c) *LAPB*
d) *Q.921*
e) *S/T*

Q133. What is the command to show all currently active and inactive Frame Relay DLCI's?

a) *Show Frame-relay DLCI*
b) *Show Frame-relay Active*
c) *Debug Frame-Relay DLCI*
d) *Show Frame-Relay PVC*

e) *Show Interface Frame-Relay*

Q134. What is the command to load an IOS image from a TFTP server?

a) *write tftp*
b) *copy IOS Flash*
c) *xmodem –c <filename>*
d) *copy tftp flash*
e) *copy tftp running-config*

Q135. The following key should be used to make the router Command Line Interface automatically <u>complete</u> the command you are entering:

a) *<TAB>*
b) *?*
c) *:*
d) *<Shift> <ctrl> 6*
e) *<ESC>*

Q136. The function of the CDP protocol is to?

a) *Propagate route information from router to router*
b) *Share VLANs across multiple switches*
c) *Identify Cisco Devices to each other*
d) *Enable transfer of IOS images from servers to routers*
e) *Enable information about Frame Relay devices to be communicated.*

Q137. Which prompt indicates that you are in a router's privileged Exec mode?

a) *Router:*
b) *Router>*
c) *Router (config)#*
d) *Router (config-if)#*
e) *Router#*

Q138. The prompt "Router(config-if)" indicates that you are in which mode of the Command Line Interface?

a) *Enable*

b) Privilege level 0
c) Root access
d) MAC layer
e) Interface configuration

Q139. In order to set the router console password to "juniper", and ensure that it is required to access the router, the following configuration is necessary:

A) line vty 0 4
   login
   password juniper

B) line con 0
   enable password juniper

C) line vty 0 4
   login password juniper

D) line con 0
   password juniper
   login

E) line con 0
   login password juniper

Q140. For IP Address 216.230.64.50, subnet mask 255.255.255.0, identify the network portion of the address.

a) 255.255
b) 216.230.0.0
c) 0.0.255.255
d) 216.230.64.0
e) 0.0.0.50

Q141. For the address 216.230.64.0, netmask 255.255.240.0, how many "Class C" addresses are included?

a) 16
b) 15
c) 1
d) 254
e) 64

Q142. Which of the following are benefits of segmenting networks with routers, as opposed to using repeaters only?

a) Lower cost
b) Fewer collisions
c) Fewer Broadcasts
d) Full Duplex capability
e) More available IP addresses
f) A collapsed network backbone

Q143. Which type of LAN switching will examine only enough of a packet to determine that it is not the result of a collision, before passing it on?

a) Store and Forward
b) Fragment Free
c) Cut-through
d) Layer 3

Q144. Spanning Tree Protocol prevents:

a) Excessive Broadcasts
b) Routing Loops
c) Excessive convergence time
d) Loops in switched networks
e) Attenuation
f) Split Horizon

Q145. RIP and IGRP utilize:

a) Classful routing
b) VLSMs
c) Classless routing
d) Subnet masks
e) Wildcard masks

Q146. Which of the following are proper uses for ISDN lines in Internetworking?

a) Remote office dial-up
b) Web Hosting
c) Dial Backup
d) Corporate Office internet access
e) Very large file transfers

Q147. Write Memory performs the same function as:

a) *Copy configuration flash*
b) *Copy Startup-Config Running-Config*
c) *Copy memory*
d) *Write Config*
e) *Copy Running-Config Startup-Config*

Q148. An ISDN B Channel typically provides what amount of bandwidth?

a) *1.5 Mb/sec*
b) *33.6Kb/sec*
c) *28Kb/sec*
d) *64Kb/sec*
e) *128Kb/sec*

Q150. Fast Ethernet provides the following possible speeds:

a) *4 mb/sec*
b) *10 mb/sec*
c) *16 mb/sec*
d) *100 mb/sec*
e) *1000 mb/sec*

Q151. The IPX protocol operates at which level of the OSI Model?

a) *Protocol*
b) *DOD*
c) *Transport*
d) *Network*
e) *DataLink*
f) *Internet*
g) *Netware*

Updates & Changes

This table provides you with a list of how the NetCerts virtual community is contributing to this document.

Date:	Change Posted:
6/4/99	Clarified several questions based upon the recommendations of: Layne Davis [davisl@milwaukee.tec.wi.us]
6/5/99	Added 2 more questions by NetCerts Staff
7/1/99	Added 4 more questions by NetCerts Staff
7/6/99	NetCerts visitor donates 9 questions Raman Gopalan [ramang@idirect.ca]
7/14/99	NetCerts visitor donates 13 questions Prapast Mahatthanatrakul [pardm@hotmail.com]
7/21/99	NetCerts staff brings total CCNA questions up to 100.
9/21/99	More questions added to increase count to over 150