

Network Study Guides CMTD Answers

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1) When configuring dialer information. Which statement is correct?

- Values of dialer-group and dialer-list must match
- Values of dialer-group and dialer-list must be different
- Values of dialer-group and dialer-list can match or differ
- If you set a value for dialer-group you must not set a value for dialer-list

2) Which of the following is a logical entity, and may be configured with one or more dial strings?

- Dialer interface
- Dialer map class
- Dialer profile
- Dialer pool

3) Which of the following is used to define characteristics (such as line speed) about a specified dial string?

- Dialer interface
- Dialer map class
- Dialer profile
- Dialer pool

4) Which of the following would you use to prioritized dial interfaces?

- Dialer interface
- Dialer map class
- Dialer profile
- Dialer pool

5) What are the elements of a dialer profile?

- Dialer interface
- Dialer map class
- Dialer pool

6) True/False: One physical interface can belong to multiple dialer pools?

- True
- False

7) What process normally occurs when you use dynamic NAT

- Your address is always translated to the same address
- Your address is always translated to a different address
- Your address is incremented round robin
- Your address is dynamically chosen from a pool of available addresses

8) Which command blocks routing broadcasts on a interface?

- dialer-list
- no routing
- passive-interface
- redistribute route

9) What are two advantages of xDSL?

- xDSL uses in place copper loops
- xDSL uses inexpensive modems
- higher rates over longer distances
- basic telephone services available on the same line

10) What command do you use to define a global address pool?

- ip local-pool
- ip global pool
- ip global-pool
- ip address-pool

11) Which are 3 default profiles in 700 series?

- LAN
- Internal
- Global
- User
- Standard

12) Which two compression methods are used on Cisco routers?

- lha
- predictor
- stacker
- byte recursive

13) What command do you use to define an local address pool?

- ip local pool
- ip global pool
- ip address-pool

14) Type command to enable stacker compression

- enable stac
- enable compression high
- compress stac
- no compression predictor

15) The info from "show sessions" can be displayed with

- where
- show all
- show lat
- show users

16) What does command "logging host" do

- Sends snmp traps to the specified host
- sends logging info to a unix syslog server
- sends logs to a workstation running the ciscoworks network management software

17) Which command do you use to log messages to the internal buffer?

- Logging save
- logging buffered
- logging nvram
- logging ro

18) Which two statements are true re: limiting VT access to router? (2)

- Blocking outbound telnet on all physical interfaces prevents remote access
- Since all VTY's use telnet only one type of VTY ACL is necessary
- You should always set identical restrictions on all virtual lines
- Cisco routers support 4 simultaneous virtual sessions

19) Which of the following two statements are true regarding 56kbps modems?

- Speeds are limited to 53kbps by fcc regulations
- Digital data is not converted back to analog data
- Isdn framing of analog signals creates lower overhead
- Out of band signaling increases available bandwidth
- The download speed is faster than the upload speed
- 56kb modems are compatible with isdn but at a slower speed

20) What is the function of the l2f protocol in virtual private networks?

- User authentication
- Network authentication
- Tunneling link level protocols over higher protocols
- Establishing multiple virtual paths to a remote destination

21) VPDN enables service providers to?

- Buy fewer routers
- Increase bandwidth
- Decrease broadcast traffic
- Replace corporate dialup services

22) What command is used to specify that any traffic causes an ISDN call?

- Group dialer-ip all
- Dialer-list 1 protocol ip permit
- Dialer traffic ip

23) What is the command to require a password to access the console terminal?

- Set pass console
- Password line
- Line 1 console
- Enable password

24) What are the three options for the dialer map command?

- Name hostname
- Chat-script
- Ip address
- Modem-script
- System-script
- Dial number

25) What are the three components of a dialer profile? (3)

- Destination profile
- Dialer interface
- Dialer map class
- Interface map
- Dialer pool

26) Which command displays information about b1 and b2 channels?

- Show int bri0 1 2
- Show int isdn bri 2 1
- Show int bri1 bri2
- Show int bri1

27) Configure dial backup for the indicated interface (1)

- Backup dial interface-name
- Backup dial interface interface-name
- Dial-backup interface-name
- Dial-backup interface interface-name
- Backup interface interface-name

28) Which two statements are true regarding the command telnet 1.2.3.4 2003

- Establishes a reverse telnet connection
- The data is sent to rotary group 3
- The data is sent to individual line 3
- The data is sent to line 1
- The data is sent to rotary group 3 which is a VPDN

29) Which three functions does pat provide for cisco 700 series routers

- Address translations
- Ip address conservation
- Remote host location on behalf of local clients
- Firewall protection by hiding local clients
- Downloads configuration to local clients

30) Which command executes the menu named sales when the user jane logs in through any line

- Username jane autocommand menu sales
- Autocommand menu sales user jane
- Autocommand menu jane user
- Username auto select user jane

31) Which two characteristics apply to the pri but do not apply to the bri

- PRI uses a csu/dsu
- Uses a t1 or e1 for isdn
- The channel is 56k
- The speed is 1.544 or 2.048mb

32) Regarding terminal connections, which one describes a reverse connection?

- Incoming asynchronous line
- Outgoing asynchronous line
- Support for a remote host printing on the local network
- Support for a remote host dialing into a asynchronous interface

33) What command should you use to verify the current configuration that an access server line is using? _____

- _____

34) What are two options of the ISDN t1/e1 pri configuration command for framing?

- Esf
- crc4
- Ppp
- hdlc

35) What two events can trigger a chat script to execute? (2)

- Line reset
- Dialer triggered by ddr
- Interesting traffic
- Routing information update
- Pinging a TCP Port Address

36) Why is ipx and spx spoofing important?

- Spoofing enables to networks to be hidden from unauthorized users
- Spoofing avoids constant updates that might keep expensive ddr lines in use
- Spoofing allows clients to find less expensive routes to resources
- Spoofing causes spx to respond as if it where ipx to cut down overhead

37) How does xDSL achieve such a high data rate over the phone lines?

- XDSL uses higher frequencies for data transmissions
- Digital data is not converted back to analog at the service provider
- Multiple Phone lines are used
- Statistical multiplexing is used.

38) Which command allows you to troubleshoot your VPDN operation?

- Show nas
- Debug vpdn
- Show vpdn events
- Debug vpdn event

39) You are configuring dial backup for primary links. Which command do you use to indicate the backup interface in the case of a primary link failure.

- Backup ip interface-name
- Backup dial interface-name
- Backup interface interface-name
- Backup dial interface interface-name

40) which function on a cisco access server draws ibm 3270 screens by turning ibm directives into dumb terminal commands

- ttycap
- keymap
- keymap-type
- emulation

41) What is the operation of a dhcp servers

- Dhcp manage ip addresses and assign ip configuration parameters at client request

- Dhcp servers hide internal addresses from the outside world
- Dhcp servers keep a database of network routers that can be used by other routing protocols
- Dhcp servers act on behalf of network clients to find routes to remote networks

42) Assuming you have just configured an asynchronous interface below as a dial backup line, active the line when the load for the primary interface reaches 90% and deactivate when the combined load in both directions reaches 40%.Type the command:

- _____

43) Which examples are two options that modem auto-configuration is necessary.

- Modem using called ID
- Modem reinitialization after failure
- Configuring a modem from a central location
- Modem configuration without using modem configuration commands

44) You are configuring a static route on a router. You would like to configure it so that if the interface associated with the route goes down the route will still remain in the routing table. Which ip routing parameter causes this?

- Keep
- Permanent
- Continuous
- Backup

45) What is a profile and how is it used with a cisco 700 series router

- A configuration customized for a specific remote device
- Access privileges associated with users
- Access privileges to routing services
- Access privileges associated remote system
- Access privileges to the local network
- Configuration files users can download to their router for quick setup

46) Which three access servers are used in the access path integrated access solution

- Cisco 7200
- As5200
- Cisco 3600
- Cisco 2511
- Cisco 1600

47) What is the key advantage of chap over pap?

- Chap never sends a visible password
- Chap authentication takes fewer steps
- Pap has a higher overhead
- If authentication fails at any time pap drops the call

48) Which signal indicates that the DTE is available to accept a call?

- Dsr up
- Rts up
- Cts up
- Dtr up

49) Type the complete command to display a list of servers discovered through sap advertisements?

- _____

50) In addition to viewing routing tables, what command can you use to determine a router is using the best path when forwarding a packet to a specific network?

- _____

51) What is the purpose of a dialer rotary group?

- Define interesting traffic
- Define ddr connection
- Configure dial backup connections
- Apply a single interface configuration to multiple interfaces

52) Which two services are available through Cisco NAT?

Address resolution

- Domain lookup
- Tcp load distribution
- Specific address filtration
- Static address translation

53) Which resource node services link layer protocol provided by cisco access servers is preferred because it has low overhead, available compression, multiple protocol support, good security options

- PPP
- ALL5
- ARAP
- SLIP

54) Which are the two frame types for T1 lines?

- Super frame
- Extended superframe
- Q39.1T
- Dma

55) How does NAT allow for more hosts than there are available ip addresses

- Manipulating the ip authentication field
- Never using the same address twice
- Modifying tcp port numbers
- Restricting the number of hosts allowed to communicate on the network simultaneously

56) What is true regarding default routes?

- They are always specified by an individual host
- They always have static routes
- They are not available for isdn
- They must be configured at the end of each link

57) Ppp defines which two authentication protocols?

- Pip pap
- Pop pap
- Pap chap
- Pop arp

58) What is the effect of the following configuration line? (1)

Dialer load-threshold 128 either

- Another line will be dialed when inbound utilization reaches 128kbps
- Another line will be dialed when outbound utilization reaches 128kbps
- Another line will be dialed when bidirectional utilization reaches 128kbps
- Another line will be dialed when bidirectional utilization reaches 50%

59) Which command sets up modem autodiscovery?

- Modem auto-discovery
- Modem autoconfigure discovery
- Autoconfigure modem discovery

60) what prevents tunneling of the link layer frames through a vpdn?

- l2f
- l2e
- lte
- ltf

61) What characteristics describe remote node instead of remote control? (2)

- Provides access to all network resources
- Host end run at lan speed
- Does not require a dedicated host at the remote site
- Provides good performance with legacy applications

62) What command associates an access list with a dialer group

- Dialer-list listnum
- Dialer-group list Access-list
- Dialer-list groupnum list listnum
- dialer-list dialer-group list access-list
- Dialer-group protocol protocol-list Access-list
- access-list dialer-group groupnumber

63) Which of the following are ISDN reference points

- The user reference point
- The routing reference point
- The terminal reference point
- The data reference point

64) What is the command to initiate the vpdn at an isp? (2)

- Vpdn enable
- Vpdn outgoing
- Enable vpdn incoming
- Enable vpdn outgoing

65) What command will enable a dialer rotary group

- Dialer group
- Dialer interface
- Interface dialer
- Dialer rotary-group

66) Why would the access list specified as access-list 101 deny igrp any any save money when used with other access lists on a ddr interface?

- Only routing packets will bring up the line

- Routing packets will not bring up the line
- All traffic but igmp will bring up the line
- No traffic will bring up the line

67) Where all the logging messages directed by default?

- Console terminal
- Auxiliary terminal
- Tty1 auxiliary port
- Console port

68) Which of the following scenarios is an example of protocol translation?

- Connect to the access server using telnet to another host use telnet
- Connect to access server using telnet then use lat
- Connect to an access server using Ppp and use chap to authenticate
- Connect via tn3270 then telnet destination

69) Which command allows the remote dial in client to enter its own ip address?

- Async static-address
- Async dynamic address
- Remote ip
- address ip unnumbered

70) What process normally occurs when you use static NAT

- Your address is always translated to the same address
- Your address is always translated to a different address
- Your address is incremented round robin
- Your address is dynamically chosen through a pool

71) Clear dynamic NAT translation entries:

- Clear ip nat translation
- Clear ip nat translation*

72) Create static route for all traffic to net 150.27.0.0 to go out BRI0

- _____

73) Which command will configure ddr to multiple destinations?

- Dialer map interface
- Dialer-map
- Ddr-map
- Interface dialer map

74) 3 functions PAT provides:

- address translation
- ip address conservation
- remote host on behalf of local clients
- firewall
- download config

75) Where is logging directed by default:

- VTY1
- Console
- Syslog host

- There is no default

76) Which feature of the Cisco IOS can be used to consolidate connection costs?

- DDR
- PPP Callback
- Shut off router
- IPX/SPX spoofing

77) Which command associates an access list with a dialer group?

- Dialer-list group-number protocol protocol-name {permit|deny|list access-list-number}
- Dialer-list group-number protocol-name {permit|deny|list access-list-number}
- Dialer-list group-number protocol-name access-list {permit|deny}

78) Which command would you use to troubleshoot VPDN operation?

- Show nas
- Debug VPDN incoming
- Show VPDN event
- Debug vpdn event

79) What is modem autoconfigure used for?

- Initialization after failure
- Configure remote modems
- Auto discovery of modem type
- Modem configuration with using commands

80) Framing for T1's

- SF/ESF
- PPP/HDLC
- SLIP/PPP
- PAP/CHAP

81) What are 2 options for the ISDN T1/E1 PRI configuration command "framing"?

- Esf
- Ppp
- Hdlc
- Crc4

82) Which of the following are ISDN reference points:

- User reference
- Routing reference
- Terminal reference
- Data reference

83) Which two terminal services are provided by Cisco access servers?

- telnet
- slip
- ISDN
- LAT

84) What is the command to activate the line when the primary interface reaches 90%, and deactivate when the line reaches 40%:

- _____

85) True/False: A VPDN allows you to replace corporate dialup infrastructure?

- True
- False

86) What does a DDR allow you to do?

- Replace corporate dialup infrastructure
- Create secure connections to a host
- Establish a connection between routers when interesting traffic is present
- Tunnel frames between two Cisco routers

87) Which feature of the Cisco IOS can be used to lower connection costs for switched circuits which are kept up by keepalives between clients and servers?

- DDR
- PPP Callback
- Shut off router
- IPX/SPX spoofing

88) Explain the statement: Dialer load-threshold 128 either

- Another line will be brought up when the line reaches 128kbps in either direction
- Another line will be brought up after 50%
- Another line will be brought up when the buffer has 128 packets in either direction
- Another line will be brought up when the the line has experienced 128 errors

89) Display info on B1 and B2:

- Show int bri
- Show int bri 1 2
- Show int isdn b1 b2

90) How does NAT allow more hosts than there are available IP addresses?

- Manipulating IP identification field
- Modify TCP port
- Restricting the number of hosts allowed to communicate simultaneously

91) Advantages of MPPP

- Increased bandwidth
- Multiple physical interfaces can be cascaded
- Supports strong encryption types
- Multiple routes for redundancy

92) Enter the command that sets up modem auto-discovery

- _____

93) Why 56k modems work

- Uses ISDN signaling
- No analog conversion at CO
- Uses frame relay packet switching technology
- New FCC regulations allow higher frequencies

94) What command specifies all IP traffic triggers an ISDN call

- _____

95) What command executes menu named sales for Jane:

- _____

96) Concept: Why is ipx/spx spoofing important?

- _____

97) What command will enable dial-on-demand routing on any asynchronous interface?

- Dialer in-band
- Backup interface
- Dialer dynamic routing
- Dialer enable

98) What command displays modem configuration during auto-configuration ?

- Debug line
- Debug autoconf
- Debug line field
- Debug confmodem

99) 3 features supported by T1 interface in AS5200?

- Channelized T1
- PRI
- Only single t1 line
- A single card w/Dual T1's
- Up to 60 DS0 channels

100) VPDN is a way for service providers to:

- Replace dedicated corporate dialup service
- Buy fewer routers
- Increase bandwidth

101) Features which are available in remote node technology which are not present in remote control?

- All network resources are available
- Host end runs lan speed
- No dedicated host
- Good performance with legacy apps

102) Features which are available in remote control technology which are not present in remote node?

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103) What does PPP use to establish and config. Data link connections:

- PPP
- NCP
- CHAP
- LCP

104) Describe a reverse terminal connection:

- Incoming asynchronous line
- Outgoing asynchronous line

105) Why is PPP callback used?

- Bill consolidation, cost cutting.
- Line selection and reliability
- Ease of config
- End user savings

106) Overload is when NAT experiences:

- more hosts than addresses
- excessive CPU utilization
- no more static translations
- messages too fast for console

107) Describe telnet 1.2.3.4 3003 (3)

- The command establishes a reserve telnet connection
- The data is sent to rotary dialer groups
- The data is sent to line 1 which is connected to a modem
- The data is sent to the rotary group 3 which is connected to a modem or host

108) Configure a terminal with no default protocol:

- No transport protocol
- Transport protocol none
- Transport preferred none
- Transport disable
- Transport default null

109) Give an example of Protocol translation

- LAT to telnet
- Telnet to Telnet
- PAP to CHAP

110) When Cisco access servers allow another terminal to emulate an IBM 3270 terminal type what two types does the access server assume are attached (radio button):

- tn 3270
- wyse 300
- vt100
- vt200

111) How does ISDN achieve such a high data rate

- digital data not converted to analog
- uses ISDN signaling over standard copper

112) What permits tunneling of link layer frames with a VPDN:

- LZF
- LZE
- L2E
- L2F

113) DHCP is used for:

- Dynamically assigning a mac address to a computer
- Dynamically assigning an ip address to a computer
- Dynamically booting the computer from the network

114) Which of the following characteristics are associated with BRI's?

- 16kb D channel
- 64kb D channel
- 2B+1D
- 23B+1D

115) Which of the following characteristics are associated with PRI's?

- 16kb D channel
- 64kb D channel
- 2B+1D
- 23B+1D

116) Which concern is increasing likely to become more important if an IPX network grows and wan links are added? (1)

- The 16 hop limitation of IPX
- The amount of network broadcast traffic becoming significant
- The limitations of IPX addressing
- Non routable novell protocols

117) What 3 commands will create a connection to a remote host from the router exec prompt?

- telnet ip-address
- pad hostname
- connect hostname
- open hostname

118) You are configuring multilink PPP. Which command do you use to configure the dialer interface if using dialer profiles

- Config ppp
- Config multilink
- Set multilink
- Ppp multilink