CCNA Example TEXT Questions   pass mark = 70%   updated April 2014   KCC

example questions with answers   ccna study guide

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1 Whish statement is true regarding switches and hubs
A   hubs filter frame
B   switches increase the number of collison domains
C   switches reduce the number of collision domains
D   hubs increase the number of collision domains
E   switches increase the number of broadcast domains

2 Cisco access list lines are processed in the order in which they were configured
A   TRUE
B   FALSE

3 Multicasts are forwarded by transparent bridges
A   TRUE
B   FALSE

4 Which of the following IOS commands save the current running configuration to NVRAM
A   write memory
B   copy running-config startup-config
C   copy startup-config running-config
D   copy running-config ftp

5 Which of the following IOS commands assigns a domain name to a router
A   ip domain name
B   ip domain-name
C   ip name
D   domain-name

6 Which command allows EIGRP to load balance over unequal paths
A   maximum-path
B   ip eigrp load-balance
C   variance
D   ip eigrp variance
E   none of the above

7 What are true features of CDP
A   to show the IP address of a connected device
B   to obtain VLAN information from the connected device
C   to show the hostname and equipment type on a connection
D   for automatic network failover
E   to verify layer-2 connectivity

8 What is/are the IEEE standard for spanning tree protocol
A   802.1d
B   802.1q
C   802.10

D 802.1w
E 802.3u

9 Which of the following are designed for Frame Relay congestion notification
A LMI
B ILMI
C BECN
D UNI
E FECN

10 Which access list will deny DNS
A access-list 88 deny ip any any 55
B access-list 99 deny tcp any any eq 53
C access-list 102 deny tcp any any eq 53
D access-list 103 deny udp any any eq 53
E access-list 103 deny ip any host eq 21

11 Where is the router running configuration stored
A NVRAM
B RAM
C FLASH
D ROM

12 When applied to an interface an access list defaults to _____ if no direction is specified
A inbound
B outbound
C disabled

13 Which of the following protocols are not routable
A NetBEUI
B SNA
C IP
D IPX
E LAT
F Appletalk

14 Cisco routers use a standard version of HDLC on the serial interfaces
A TRUE
B FALSE

15 Which layer of the OSI model does logical route path selection belong to
A Layer 2 (Data)
B Layer 3 (Network)
C Layer 4 (Transport)
D Layer 5 (Session)

16 What layer of the OSI model do WAN technologies operate
A Layer 2
B Layer 5
C Layer 1
D Layer 6
E Layer 3
F Layer 4

17 Ports/Interfaces on a switch will default to what VLAN
A VLAN 1
B no VLAN
C disabled

18   The _____   hold a 16 bit value that is used to decide how the router will boot

A   command-register
B   config-register
C   startup-register
D   boot-register

18 What is the range of class C addressing

A   128.1.0.0 to 191.255.255.255
B   192.0.0.0 to 223.255.255.0
C   192.255.255.255 to 224.0.0.0
D   172.0.0.0 to 223.0.0.0

19 Which protocol uses TCP/IP port 443

A   HTML
B   FTP
C   SSH
D   SMTP
E   HTTPS
F   HTTP

20 CDP packets are sent to neighbors every

A   30 seconds
B   60 seconds
C   90 seconds
D   5 minutes

21 The mask of 255.255.255.248 is the same as the binary

A   11111111.11111111.11111111.11110000
B   11111111.11111111.11111111.11111000
C   11111111.11111111.11111111.11100001
D   11111111.11111111.11111111.11111100

22 Which are used for flow control

A   Cut-Through
B   Windowing
C   Fast Switching
D   Store and Foreward
D   Congestion control

23 The network mask of 255.255.252.0 can be displayed as

A   11111111.11111111.11111111.00000000
B   /24
C   /26
D   /22
E   /23

24 TCP uses which of the following for reliability

A   Segmentation
B   Flow Control
C   Acknowledgements
D   Sequencing

25 What IOS command assigns an access list to VTY interfaces

A   access-list
B   access-class
C   access-group
D   access-enable

26 At default, the syslog messages are sent to

A   syslog server

B   console port
C   auxilary port
D   terminal
E   VTY interfaces

27 A route is learned by a site router from several sources. Which route is the preferred source
A   RIPv2
B   EIGRP
C   OSPF
D   default route

28 What layer of the OSI model does CDP operate
A   Layer 2 (Data)
B   Layer 3 (Network)
C   Layer 4 (transport)
D   Layer 5 (Session)

29 What switching mode/method provides checking of the FCS in the Ethernet trailer
A   Cut Through
B   Store and Forward
C   Fragment Free
D   none of the above

30 What command could be used to verify the cabling and clocking on a serial link
A   show interface serial0/0
B   show controller serial1/0
C   show interface ethernet3/0
D   show interface trunk
E   show mars-bar

31 What is the IOS command to copy a new IOS into flash
A   copy net flash
B   copy tftp flash
C   copy nvram flash
D   copy flash filename

32 The 2 byte Frame Relay protocol type-frame has an RFC standard of
A   1700
B   793
C   1490
D   0349
E   1749

33 What commpression type is supported on a VIP or compression service adapter
A   MPPC
B   STAC
C   FRF.9
D   Predictor
E   none of the above

34 How many valid host addresses can be allocated with a mask of 255.255.255.248
A   2
B   4
C   8
D   6
E   7

35 Which command will allow you to determine the router within the path of an unreachable host
A ping
B show ip interface brief
C show ip route
D trace
E telnet

36 What is the valid access-list number range for an extended ip access list
A 0 - 99
B 100 - 199
C 99 - 200
D 99 - 199
E 200 - 299

37 What congestion notification mechanism would notify the sending station that congestion exists
A FECN
B LMI
C BECN
D ILMI
E DLCI

38 VTP configuration messages are flooded through the network every
A 60 seconds
B 180 seconds
C 240 seconds
D 5 minutes
E only when a change is detected

39 Which of the following switches would be elected at the default root for VLAN1 (assume all switches fully meshed)
A none
B SW1 priority 32768   mac 0003.e334.d9c0
C SW2 priority 42326   mac 0003.e334.d640
D SW3 priority 42326   mac 0003.e334.d650
E SW4 priority 32768   mac 0003.e334.e770

40 Which field is found in IEEE Ethernet and not in Ethernet version 2
A type
B length
C acknowledge

41 What value is the TTL field in an IP packet to causes a discard
A 255
B 64
C 0
D 1

42 What is the problem with the following configuration extracts

router1#
interface serial0/0
ip address 10.10.1.1 255.255.255.252
clock rate 4000000

router2#
interface serial0/1
ip address 10.10.2.2 255.255.255.252

A incorrect interface - matach
B incorrect cabling
C wrong clock speed
D missing clock statement on router#2
E incorrect ip address - match

43 What OSI model layer does NetBIOS belong
A Layer 2 (Data)
B Layer 3 (Network)
C Layer 4 (Transport)
D Layer 5 (Session)
E Layer 6 (Presentation)

44 What is the permitted value range for a DLCI
A 0 - 1024
B 0 - 1023
C 1 - 64
D 5 - 1024
E 1 - 128

45 What feature in PPP is used to check for a looped circuit
A LQM
B Magic Numbers
C PAP
D CHAP

46 What version of the Cisco IOS first supported LMI autosense
A 10.9
B 11.0
C 11.2
D 11.8
E 12.0

47 What is the default for split horizon on a serial interface not configured for point to point
A enabled
B disabled
48 What is the update interval for IGRP
A 90 seconds
B 60 seconds
C 30 seconds
D 5 seconds

49 What is the default encapsulation for a Cisco 2800 serial interface
A PPP
B HDLC
C Frame-Relay
D none

50 Which lines of configuration will correct the following problem. The following message is recieved when telneting into a 1800 router

     Password required, but none set
     Connection to host lost.
A line con 0,   login
B line con 0,   login,   password cisco
C line vty 0 4,   login,   password cisco
D line vty,   login,   enable password cisco
E password cisco
F enable password cisco

51 What protocol is used to find a station's mac address, given the stations IP address
A IARP
B RARP
C ARP
D LMI

52 What type of access list would permit more than 99 standard access list to be created
A protected
B advanced
C named
D none of the above

53 Which of the following is not true
A A VTP server without a configured domain name will accept the domain name from a VTP
advertisement
B A VTP client can create, modify and delete VTP messages
C In VTP transparent mode, a switch can modify its own VLAN configuration
D VTP messages are flooded through the network every 5 minutes

54 What information can not be supplied by CDP
A neighbor memory
B neighbor platform
C neighbor address
D neighbor identifier

55 Given the station address and mask 165.140.21.17/22, what is the broadcast address
A 165.140.21.255
B 165.140.23.255
C 165.140.20.255
D 165.140.24.255

56 Which of the following routing protocols support VLSM
A OSPF
B IGRP
C RIP version 1
D RIP version 2
E EIGRP

**57 What command on a Catalyst switch would display the mac address of the root bridge for VLAN
623**
A show bridge 623
B show span
C show spanning-tree vlan 623
D show span 623

58 What is the default administration distance value for EIGRP
A 60
B 90
C 120
D 140

59 Which router command assigns ethernet sub-interface to VLAN 7 using ISL
A set vlan 7 ethernet
B encapsulation isl 7
C enable isl 7

D   ethernet enable isl 7

60 Which are advantages of using default routes
A   keep routing tables small
B   need large cpu resource
C   allow connectivity to routes not held in local routing tables
D   automatically establich routes
E   direct traffic from the Internet

61 Which of the following do not share the same subnet as device
165.140.220.6 255.255.192.0
A   165.140.248.17/18
B   165.140.252.12/18
C   165.140.199.44/18
D   165.140.166.22/18
E   165.140.190.120/18

62 What is the command to enable EIGRP on a router
A   enable ip eigrp
B   router eigrp
C   enable eigrp routing
D   set ip eigrp

63 When two switches in the same VTP domain (both set in server mode) have different VLAN
configurations
A   spanning tree blocks the conflicting links
B   both switches disable any conflicting port configurations
C   the VTP server with the highest value configuration register overwrites the other switch
configuration
D   none of the above

64 What is the function of VLAN pruning
A   to synchronise VTP messages
B   to minimise traffic on trunks by removing traffic destined for VLANs that have been long
inactive on the destination switches
C   to minimise traffic on trunks by removing traffic destined for VLANs that are not configured on
the destination switches
D   none of the above

65 What is the default equal-cost paths that IGRP will load balance over
A   2
B   3
C   4
D   5

66   When displaying routes from a show ip route command, what character is used to show that the
route came from an EIGRP routing update
A   R
B   I
C   E
D   D

66 A unicast frame received by a switch with a destination address that is not in the switch's address
table, will be
A   flooded out of every port

B flooded out of every port except the port on which it was received
C dropped
D sent back to sender as unreachable

67 Which method of tagging extends the ethernet frame
A ISL
B 802.1w
C 802.1s
D 802.1q

68 Which ICMP message does the trace command rely on
A protocol unreachable
B echo
C destination unreachable
D time exceeded
E host unreachable

69 How many connecting pins are defined by the ITU V.35 specification
A 35
B 25
C 34
D 28
E 18

70 When a gateway becomes congested it sends a _____ to let the sending station know to slow
down
A destination unreachable
B source quench
C redirect
D none of the above

71 What is the default metric for RIP version 2
        A hops
        B ticks
        C delay
        D MTU
        E bandwidth

72 What is the max size of a default Ethernet data frame
        A 1500 bits
        B 48 Bytes
        C 80 Bytes
        D 1500 Bytes

73 What is the value of the DSAP/SSAP to indicate SNAP protocol
        A 0
        B FF
        C AA
        D 08
        E 0E

74 Given a station address and mask of 134.26.17.11/23, what is the network and broadcast addresses
A 134.26.17.0
B 134.26.17.255
C 134.26.16.0
D 134.26.16.255
E 134.26.0.0

75 What layer of the OSI model does SNMP belog to

A   Layer 2 (Data)
B   Layer 3 (Network)
C   Layer 5 (Session)
D   Layer 7 (Application)

76 Which of the following are assigned in RFC 1918 as private IP addresses
A   10.0.1.2
B   172.17.23.2
C   192.168.23.2
D   127.0.0.1
E   165.140.20.5

77 The NAT inside-global address is defined as
A   address of host in the private network, normally using a private address
B   Internet address of host viewed from outside a private network
C   Internet address of global host attached to the Internet
D   none of the above

78 Which of the following are FTP commands
A   put
B   mget
C   write
D   save
E   get

79 Telnet to a Cisco router that has no password configured is
A   not possible, connection is rejected
B   a security risk
C   possible, but only in Switzerland
d   possible only in monitor mode

80 A transparent bridge
A   operates at Layer 2 of the OSI model
B   operates at Layer 3 of the OSI model
C   forwards all multicast frames
D   allows frame/packet fragmentation
E   connects different protocol segments together

81 CSMA/CD first step in transmitting data is
A   send a jam signal to free the link
B   wait a random time
C   listen to detect frames
D   send the frame

82 Which authentication method supports MD5 encryption
A   PAP
B   CHAP
C   enhanced PAP
D   none of the above

83 Which of the following is untrue regarding full-duplex ethernet
A   collisions do not occur
B   provides for only two stations to be directly connected
C   available bandwidth is double that of half-duplex
D   half-duplex devices can not be connected to full-duplex devices

84 Which spanning tree timer must expire before determining the topology has changed
A   forward delay
B   max age
C   hello

D   none of the above

85 Which of the following statements are untrue regarding CIDR
A   allows ISP to carry one default route to all destinations
B   allows ISP to reduce the routes carried in the routing tables
C   treats IP addresses as classless
D   makes use of address aggregation

86 Which of the following are TRUE regarding router on a stick routing between VLANS
A   a router on a stick topology must use sub-interfaces and trunking
B   traffic sent to each VLAN is tagged at layer-3
C   traffic sent to each VLAN is tagged at layer-2
D   static routing could be used to route between the VLANs
E   an IGP must be used by the router for dynamic routing

87 Which of the following are TRUE regarding distance vector routing protocols
A   they use split horizon for loop prevention
B   they send LSA to all their neighbours
C   they use a holddown timer when links go down
D   they use hop-count to determine best routes
E   they use bandwidth and delay to determine best routes

88 Given the network - two VLANs on a switch connected to a router on a stick with the router connected to an ISP for Internet use.
Which of these statements are TRUE
A   the router could use a static route and NAT to connect to the ISP
B   the router will need sub-interfaces to route to the VLANs
C   the switch will need EtherChannel, trunking and PAGP
D   the switch will need trunking and VTP
E   the router will use an IGP such as OSPF to route between the VLANs and the ISP

89 A small three router network is using OSPF to route between the six company networks - two networks on each router.
All routers are connected to a single FastEthernet backbone. Which statements are TRUE
A   If the DR fails, but the BDR will become the new DR and the other router will become the BDR only after a reload
B   The routers will all send OSPF hello's every 10 seconds to all other routers
C   The routers will send OSPF hello's every 10 seconds to the DR and BDR routers only
D   The routers will all send OSPF hello's every 5 seconds to all other routers and LSA updates to DR and BDRs
E   All the routers will have the same link state database
F   A static route with AD value 100 will be used rather than an OSPF route for the same network

90 Which of the following are TRUE regarding spanning tree protocol
A   Several switches can be deployed using RSTP and STP in the same networks
B   IEEE 802.1w has states forwarding, blocking, learning
C   IEEE 802.1D has states listening learning, forwarding, blocking

D RSTP FastEthernet switch port connected to another RSTP GigabitEthernet
switchport will have port cost 4
E STP FastEthernet switch port connected to another STP GigabitEthernet
switchport will have cost 19

E   KCC   E & O