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1 

Marks:

1

Which of the following is the default order of Spanning Tree Protocol states?

1. Learning
2. Disabled
3. Blocking
4. Listening
5. Forwarding

Choose one answer.

☐ a. 3, 4, 1, 5, 2

☐ b. 2, 1, 4, 3, 5

☐ c. 1, 4, 3, 5, 2

☐ d. 4, 3, 1, 2, 5

2 

Marks:

1

What is the term used when switch ports are automatically assigned to a VLAN?

Choose one answer.

☐ a. Dynamic

☐ b. Port-centric

☐ c. Default

☐ d. Static

3 

Marks:

1

Which of the following is a **packet** switched WAN technology?

Choose one answer.

☐ a. T1/E1

☐ b. POTS

☐ c. Frame Relay

☐ d. ISDN

4 

Marks:

1

A wildcard mask bit of "0" means that the corresponding bit must be _____.

Choose one
answer.

- ☐ a. matched
☐ b. ignored
☐ c. passed
☐ d. deleted

5 

Where should workgroup servers be placed?

Marks:

1

- Choose one
answer.
- ☐ a. MDF
☐ b. VCC
☐ c. POP
☐ d. IDF

6 

What is created between two DTEs in a Frame Relay network?

Marks:

1

- Choose one
answer.
- ☐ a. virtual circuit
☐ b. Frame Relay circuit
☐ c. limited access circuit
☐ d. ISDN circuit
☐ e. permanent circuit

7 

What command will display a list of all cached IP and MAC addresses?

Marks:

1

- Choose one
answer.
- ☐ a. arp -a
☐ b. nbtstat -c
☐ c. tracert
☐ d. ipconfig /all

8 

Which of the following is allowed by asymmetric switching?

Marks:

1

- Choose one
answer.
- ☐ a. Like bandwidth connections
☐ b. Connections of unlike bandwidth

☐ c. Shared switching on a segment

9 

☐ d. Dedicated uplink connectivity

Marks:

1

How are collisions detected on an Ethernet network?

Choose one
answer.

- ☐ a. There is blockage on the network causing no traffic to be detected.
- ☐ b. The signal amplitude on the networking media increases.
- ☐ c. The signal amplitude on the networking media decreases.
- ☐ d. Stations identify the altered FCS field on the colliding packets.

10 

What is Cisco's default encapsulation for serial lines?

Marks:

1

Choose one
answer.

- ☐ a. HDLC
- ☐ b. ADSL
- ☐ c. PPP
- ☐ d. SDLC

11 

Which of the following are examples of WAN services?

Marks:

1

Choose one
answer.

- ☐ a. Ethernet and 802.3
- ☐ b. Token Ring and FDDI
- ☐ c. SDLC and HDLC
- ☐ d. ISDN and Frame Relay

12 

How are DLCIs used by Frame Relay?

Marks:

1

Choose one
answer.

- ☐ a. Identify logical connections
- ☐ b. Identify users
- ☐ c. Identify physical connections
- ☐ d. Phone company tariffs

13 

Which of the following is true about a CSMA/CD network?

Marks:

1

Choose one
answer.

☐ a. Signals are always sent in multi-frame broadcast mode.

☐ b. One node's transmission goes to the nearest router that sends it directly to the destination.

- ☐ c. Signals are sent directly to the destination if both the MAC and IP addresses are known by the source.
- ☐ d. One node's transmission traverses the entire network and is seen and checked by every node.

14 🚩

Marks:

1

Which of the following describes the relationship between path determination and the routing of packets?

- Choose one answer.
- ☐ a. They are the same process
- ☐ b. Performed only by switches
- ☐ c. Performed only by different devices
- ☐ d. They are different processes

15 🚩

Which protocol uses deterministic media access?

Marks:

1

- Choose one answer.
- ☐ a. ATM
- ☐ b. Ethernet
- ☐ c. Frame Relay
- ☐ d. Token Ring

16 🚩

What is the purpose of ICMPs?

Marks:

1

- Choose one answer.
- ☐ a. They are standard binary messages that act as model internetwork protocols.
- ☐ b. They are messages carried in IP datagrams used to send error and control messages.
- ☐ c. They put the internetwork in control mode so that protocols can be set up.
- ☐ d. They are messages that the network uses to monitor connection protocols.

17 🚩

Which is an example of a data circuit terminating equipment (DCE)?

Marks:

1


- Choose one answer.
- ☐ a. Modem
- ☐ b. Computer
- ☐ c. Multiplexer
- ☐ d. Router

18 🚩

Which of the following VLAN types require changes by the network administrator but are easy to configure, and straightforward to monitor?

Marks:


- 1 answer. ☐ a. Dynamic
☐ b. Cut-through
☐ c. Store-and-forward
☐ d. Static

19  Which best describes convergence?

Marks:

1


- Choose one answer. ☐ a. When all routers in an internetwork have the same knowledge of the structure and topology of the internetwork
☐ b. When several routers simultaneously route packets along the same path
☐ c. When several messages are being sent to the same destination
☐ d. When messages simultaneously reach a router and a collision occurs

20  According to the IEEE, what is the acceptable way to implement VLANs?

Marks:

1


- Choose one answer. ☐ a. Source bridging
☐ b. Frame tagging
☐ c. Grouping
☐ d. Filtering

21  What is the meaning of a caret symbol (^) after entering a command on a Cisco router?

Marks:

1

- Choose one answer. ☐ a. It indicates the location of an error in a command string
☐ b. It indicates that more information must be entered to complete the command
☐ c. It indicates that you are in help mode
☐ d. It indicates that you are in privileged mode

22  On a point-to-point Frame Relay connection, what does each point-to-point connection require?

Marks:

1

- Choose one answer. ☐ a. A separate subinterface
☐ b. A unique encapsulation type
☐ c. A direct physical connection
☐ d. An IPX address

Marks: What is a router's main responsibility when routing packets?

1


- Choose one answer.
- ☐ a. Traffic control
 - ☐ b. Enforcing security
 - ☐ c. Path determination
 - ☐ d. Collision avoidance
-

24  What is an example of a global parameter?

Marks:

1


- Choose one answer.
- ☐ a. Router host name
 - ☐ b. Network number
 - ☐ c. IP address
 - ☐ d. Subnet mask
-

25  What is true about windowing?

Marks:

1


- Choose one answer.
- ☐ a. If no acknowledgement is received, the sender must reestablish the connection.
 - ☐ b. It controls the amount of unacknowledged data allowed on a network.
 - ☐ c. It always requires separate acknowledgements for each segment sent.
 - ☐ d. TCP/IP measures data in terms of number of segments.
-

26  What causes routing loops?

Marks:

1

- Choose one answer.
- ☐ a. Hop count is set below 50
 - ☐ b. Path determination is optimized
 - ☐ c. Routing tables have not converged
 - ☐ d. Convergence is present
-

27  Which of the following would indicate the beginning of the frame?

Marks:


1

- Choose one answer.
- ☐ a. address field
 - ☐ b. frame check sequence
 - ☐ c. start of frame
 - ☐ d. flag bit
-

Marks: Frame tagging functions at what OSI layer?

1


- Choose one answer.
- ☐ a. 3
 - ☐ b. 4
 - ☐ c. 2
 - ☐ d. 1
-

29  The process of each port of a switch being its own micro-bridge is called _____.

Marks:

1

- Choose one answer.
- ☐ a. macrosegmentation
 - ☐ b. none of the above
 - ☐ c. microsegmentation
 - ☐ d. port-centric
-

30  Which metrics are commonly used by routers to evaluate a path?

Marks:

1


- Choose one answer.
- ☐ a. Signal count, loss ratio, noise
 - ☐ b. Distance, hub count, SN ratio
 - ☐ c. EMI load, SDLC connections, deterioration rate
 - ☐ d. Bandwidth, load, reliability
-

31  Which of the following is a **circuit** switched WAN technology?

Marks:

1

- Choose one answer.
- ☐ a. ATM
 - ☐ b. ISDN
 - ☐ c. SMDS
 - ☐ d. T1/E1
-

32  What is **not** a valid Cisco IPX Ethernet encapsulation type?

Marks:

1

- Choose one answer.
- ☐ a. SNAP
 - ☐ b. Novell-ether
 - ☐ c. ARPA
 - ☐ d. 802,3
-

33  Which of the following is **NOT** an essential component of a leased line connection?

Marks:


Choose one

- 1 answer. ☐ a. CSU/DSU
☐ b. Switch
☐ c. Service provider circuit
☐ d. Router port

34  Which of the following would **NOT** be found on security documentation?


Marks:

- 1 Choose one answer. ☐ a. Software listings
☐ b. Firewall support
☐ c. User rights
☐ d. Physical access to the network

35  Which of the following is **NOT** part of the Cisco IOS naming convention?

Marks:

- 1 Choose one answer. ☐ a. Special capabilities and feature sets
☐ b. Amount of space the file will use when copied to NVRAM
☐ c. Platform on which the image runs
☐ d. Where the image runs

36  Which port is used to **initially** configure a router?


Marks:

- 1 Choose one answer. ☐ a. Console
☐ b. Auxiliary
☐ c. BRI
☐ d. Serial

37  Which term best describes the delay of a network signal?

Marks:

- 1 Choose one answer. ☐ a. attenuation
☐ b. jitter
☐ c. dispersion
☐ d. latency

38  How can access be controlled on a secured VLAN?

Marks:

- 1 Choose one answer. ☐ a. Application types
☐ b. All of the above

☐ c. Station address

39 

☐ d. Protocol types

Marks:

1

What is a benefit of using VLANs?

- Choose one answer.
- ☐ a. Increased administration
 - ☐ b. Multiple cable runs
 - ☐ c. Tighter network security
 - ☐ d. Extended collision domains

40 

Which of the following is true regarding routing metrics?

Marks:

1

- Choose one answer.
- ☐ a. IGRP uses bandwidth as its only metric.
 - ☐ b. All routing protocols use the same metrics.
 - ☐ c. Routers compare metrics to determine the best route.
 - ☐ d. The larger metric generally represents the better path.

41 

What is a difference between the OSI model and the TCP/IP model?

Marks:

1

- Choose one answer.
- ☐ a. The OSI model appears simpler because it has fewer layers.
 - ☐ b. The TCP/IP model combines the OSI data link and network layers into one layer.
 - ☐ c. The TCP/IP model combines only the presentation and session layers of the OSI model into its application layer.
 - ☐ d. The OSI model has 7 layers and the TCP/IP model has 4 layers.

42 

What is a typical OSI layer 2 error?

Marks:

1

- Choose one answer.
- ☐ a. Broken cable
 - ☐ b. Improper clock rate settings on serial interfaces
 - ☐ c. Incorrect subnet mask
 - ☐ d. Cable connected to the wrong port

43 

Why are hold-down timers useful?

Marks:

1

- Choose one answer.
- ☐ a. They force all routers in a segment to synchronize switching operations

- ☐ b. They reduce the amount of network traffic during high traffic periods
- ☐ c. They provide a mechanism for bypassing failed sections of the network
- ☐ d. They help prevent a router from immediately using an alternate route that includes the failed route

44 

Marks:

1

When setting passwords for vty 0 4, what are you setting a password for?

Choose one answer.

- ☐ a. Remote host router
- ☐ b. Telnet sessions
- ☐ c. Modem connections
- ☐ d. Line consoles

45 

What do WAN Data link protocols describe?

Marks:

1

- Choose one answer.
- ☐ a. The process used for error detection
- ☐ b. How applications are started and stopped
- ☐ c. How frames are carried between systems
- ☐ d. The electrical, mechanical, operational, and functional connections

46 

What is a reason to use data encryption?

Marks:

1

- Choose one answer.
- ☐ a. To determine the order that sensitive data packets are sent.
- ☐ b. To compress sensitive data.
- ☐ c. To determine the frequency with which sensitive data is transmitted.
- ☐ d. To protect sensitive information during transmission.

47 

Using CHAP, how are passwords sent?

Marks:

1

- Choose one answer.
- ☐ a. Passwords are not used
- ☐ b. As clear text
- ☐ c. Encrypted
- ☐ d. By user entry

48 

How many usable Class C networks are created with a subnet mask of 255.255.255.192?

Marks:

1

answer.

- ☐ a. 4
- ☐ b. 5
- ☐ c. 1
- ☐ d. 2
- ☐ e. 3
- ☐ f. 6

49 

A router is normally referred to as which type of device?

Marks:

1

Choose one

answer.

- ☐ a. CO
- ☐ b. DTE
- ☐ c. CPE
- ☐ d. DCE

50 

What happens to a packet that does not match any of the tests in an access list?

Marks:

1

Choose one

answer.

- ☐ a. It is returned to the sender.
- ☐ b. It is sent to the recipient.
- ☐ c. It is stored until the access list is updated.
- ☐ d. It is discarded.

Save without submitting

Submit all and finish



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