

N10-006 - CompTIA Network+

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1. A technician has verified that a recent loss of network connectivity to multiple workstations is due to a bad CAT5 cable in the server room wall. Which of the following tools can be used to locate its physical location within the wall?

- A. Cable certifier
- B. Multimeter
- C. Cable tester
- D. Toner probe

Answer: D

2. Which of the following is used to authenticate remote workers who connect from offsite? (Select TWO).

- A. OSPF
- B. VTP trunking
- C. Virtual PBX
- D. RADIUS
- E. 802.1x

Answer: DE

3. Which of the following network infrastructure implementations would be used to support files being transferred between Bluetooth-enabled smartphones?

- A. PAN
- B. LAN
- C. WLAN
- D. MAN

Answer: A

4. Which of the following would be used in an IP-based video conferencing deployment? (Select TWO).

- A. RS-232
- B. 56k modem

- C. Bluetooth
- D. Codec
- E. SIP

Answer: DE

5. Which of the following helps prevent routing loops?

- A. Routing table
- B. Default gateway
- C. Route summarization
- D. Split horizon

Answer: D

6. Which of the following is MOST likely to use an RJ-11 connector to connect a computer to an ISP using a POTS line?

- A. Multilayer switch
- B. Access point
- C. Analog modem
- D. DOCSIS modem

Answer: C

7. An administrator has a virtualization environment that includes a vSAN and iSCSI switching. Which of the following actions could the administrator take to improve the performance of data transfers over iSCSI switches?

- A. The administrator should configure the switch ports to auto-negotiate the proper Ethernet settings.
- B. The administrator should configure each vSAN participant to have its own VLAN.
- C. The administrator should connect the iSCSI switches to each other over inter-switch links (ISL).
- D. The administrator should set the MTU to 9000 on the each of the participants in the vSAN.

Answer: D

8. A network topology that utilizes a central device with point-to-point connections to all other devices is which of the following?

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

Answer: A

9. A technician is connecting a NAS device to an Ethernet network. Which of the following technologies will be used to encapsulate the frames?

- A. HTTPS
- B. Fibre channel
- C. iSCSI
- D. MS-CHAP

Answer: C

10. The network install is failing redundancy testing at the MDF. The traffic being transported is a mixture of multicast and unicast signals. Which of the following would BEST handle the rerouting caused by the disruption of service?

- A. Layer 3 switch
- B. Proxy server
- C. Layer 2 switch
- D. Smart hub

Answer: A

11. A company wants to create highly available datacenters. Which of the following will allow the company to continue to maintain an Internet presence at all sites in the event that a WAN circuit at one site goes down?

- A. Load balancer

B. VRRP

C. OSPF

D. BGP

Answer: D

12. A training class is being held in an auditorium. Hard-wired connections are required for all laptops that will be used. The network technician must add a switch to the room through which the laptops will connect for full network access. Which of the following must the technician configure on a switch port, for both switches, in order to create this setup?

A. DHCP

B. Split horizon

C. CIDR

D. TRUNK

Answer: D

13. Which of the following communication technologies would MOST likely be used to increase bandwidth over an existing fiber optic network by combining multiple signals at different wavelengths?

A. DWDM

B. SONET

C. ADSL

D. LACP

Answer: A

14. Which of the following WAN technologies is associated with high latency?

A. T1

B. Satellite

C. Cable

D. OCx

Answer: B

15. Which of the following provides accounting, authorization, and authentication via a centralized privileged database, as well as, challenge/response and password encryption?

- A. Multifactor authentication
- B. ISAKMP
- C. TACACS+
- D. Network access control

Answer: C

16. Which of the following is used to define how much bandwidth can be used by various protocols on the network?

- A. Traffic shaping
- B. High availability
- C. Load balancing
- D. Fault tolerance

Answer: A

17. Which of the following network topologies has a central, single point of failure?

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

Answer: B

18. A technician is helping a SOHO determine where to install the server. Which of the following should be considered FIRST?

- A. Compatibility requirements

- B. Environment limitations
- C. Cable length
- D. Equipment limitations

Answer: B

19. When convergence on a routed network occurs, which of the following is true?

- A. All routers are using hop count as the metric
- B. All routers have the same routing table
- C. All routers learn the route to all connected networks
- D. All routers use route summarization

Answer: C

20. A technician has been given a list of requirements for a LAN in an older building using CAT6 cabling. Which of the following environmental conditions should be considered when deciding whether or not to use plenum-rated cables?

- A. Workstation models
- B. Window placement
- C. Floor composition
- D. Ceiling airflow condition

Answer: D

21. A company has a new offering to provide access to their product from a central location rather than clients internally hosting the product on the client network. The product contains sensitive corporate information that should not be accessible from one client to another. This is an example of which of the following?

- A. Public SaaS
- B. Private SaaS
- C. Hybrid IaaS
- D. Community IaaS

Answer: B

22. Which of the following refers to a network that spans several buildings that are within walking distance of each other?

- A. CAN
- B. WAN
- C. PAN
- D. MAN

Answer: A

23. An administrator notices an unused cable behind a cabinet that is terminated with a DB-9 connector. Which of the following protocols was MOST likely used on this cable?

- A. RS-232
- B. 802.3
- C. ATM
- D. Token ring

Answer: A

24. Which of the following describes an IPv6 address of ::1?

- A. Broadcast
- B. Loopback
- C. Classless
- D. Multicast

Answer: B

25. A SQL server needs several terabytes of disk space available to do an uncompressed backup of a database. Which of the following devices would be the MOST cost efficient to use for this backup?

- A. iSCSI SAN

- B. FCoE SAN
- C. NAS
- D. USB flash drive

Answer: C

26. A technician needs to set aside addresses in a DHCP pool so that certain servers always receive the same address. Which of the following should be configured?

- A. Leases
- B. Helper addresses
- C. Scopes
- D. Reservations

Answer: D

27. Which of the following network elements enables unified communication devices to connect to and traverse traffic onto the PSTN?

- A. Access switch
- B. UC gateway
- C. UC server
- D. Edge router

Answer: B

28. A network technician receives the following alert from a network device:

"High utilizations threshold exceeded on gi1/0/24 : current value 9413587.54"

Which of the following is being monitored to trigger the alarm?

- A. Speed and duplex mismatch
- B. Wireless channel utilization
- C. Network device CPU

D. Network device memory

E. Interface link status

Answer: E

29. A technician is configuring a managed switch and needs to enable 802.3af. Which of the following should the technician enable?

A. PoE

B. Port bonding

C. VLAN

D. Trunking

Answer: A

30. Which of the following protocols must be implemented in order for two switches to share VLAN information?

A. VTP

B. MPLS

C. STP

D. PPTP

Answer: A

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