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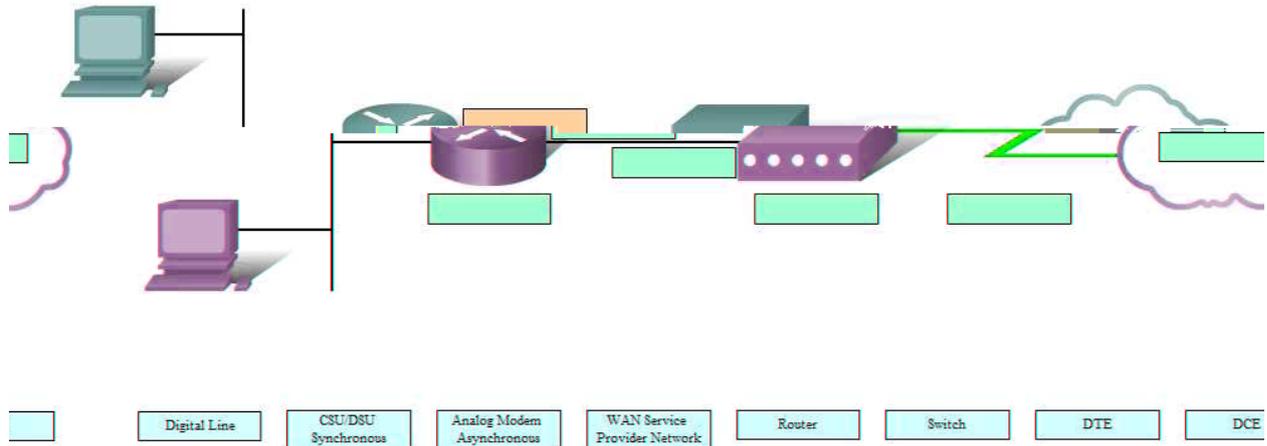
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Question: 1

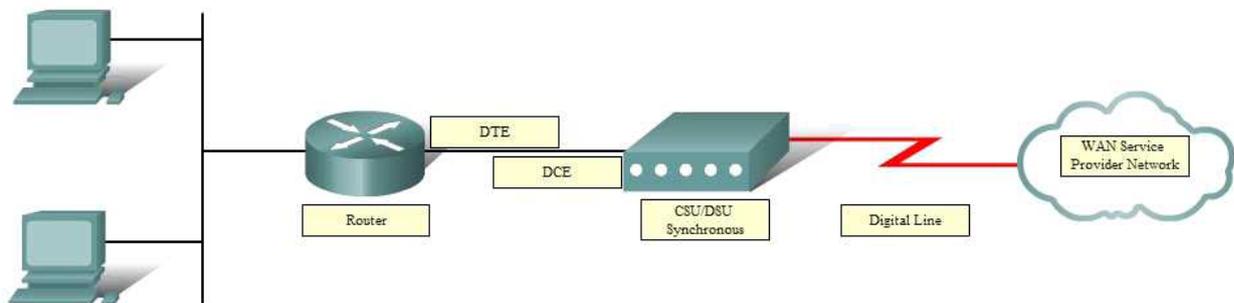
DRAG DROP

Refer to the exhibit. Complete this network diagram by dragging the correct device name or description to the correct location. Not all the names or descriptions will be used.

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Answer:



Question: 2

A router has learned three possible routes that could be used to reach a destination network. One route is from EIGRP and has a composite metric of 07104371. Another route is from OSPF with a metric of 782. The last is from RIPv2 and has a metric of 4. Which route or routes will the router install in the routing table?

- A. the EIGRP route
- B. the OSPF route
- C. the RIPv2 route
- D. all three routes
- E. the OSPF and RIPv2 routes

Answer: A

Question: 3

If you configure syslog messages without specifying the logging trap level, which log messages will the router send?

- A. error conditions only
- B. warning and error conditions only
- C. normal but significant conditions only
- D. all levels except debugging
- E. informational messages only

Answer: E

Question: 4

Which feature facilitates the tagging of frames on a specific VLAN?

- A. routing
- B. hairpinning
- C. switching
- D. encapsulation

Answer: D

Question: 5

Which WAN topology provides a direct connection from each site to all other sites on the network?

- A. single-homed
- B. full mesh
- C. point-to-point
- D. hub-and-spoke

Answer: B

Question: 6

Which two options are primary responsibilities of the APIC-EM controller? (Choose two.)

- A. It automates network actions between different device types.
- B. It provides robust asset management.
- C. It tracks license usage and Cisco IOS versions.
- D. It automates network actions between legacy equipment.
- E. It makes network functions programmable.

Answer: A, E

<http://www.cisco.com/c/en/us/products/cloud-systems-management/application-policyinfrastructure-controllerenterprisemodule/index.html>

Automate network configuration and setup

Deploy network devices faster

Automate device deployment and provisioning across the enterprise.

Provide a programmable network

Enable developers to create new applications that use the network to fuel business growth.

Question: 7

Which command can you enter to troubleshoot the failure of address assignments?

- A. show ipdhcp pool
- B. show ipdhcp database
- C. show ipdhcp import
- D. clear ipdhcp server statistics

Answer: A

Question: 8

Which three options are the major components of a network virtualization architecture? (Choose three.)

- A. virtual network services
- B. authentication services
- C. network access control

- D. network resilience
- E. path isolation
- F. policy enforcement

Answer: ACE

Question: 9

Refer to the exhibit.

```
R1
ipv6 cef

interface FastEthernet0/0
no ip address
ipv6 enable
  ipv6 address 2001:DB8:1::1/64
  ipv6 ospf 1 area 0

ipv6 router ospf 1
  router-id 172.16.1.1
```

After you apply the given configuration to R1, you notice that it failed to enable OSPF. Which action can you take to correct the problem?

- A. Configure a loopback interface on R1.
- B. Enable IPv6 unicast routing on R1.
- C. Configure an IPv4 address on interface FO/0.
- D. Configure an autonomous system number on OSPF.

Answer: C

Question: 10

Which type of MAC address is aged automatically by the switch?

- A. automatic

- B. manual
- C. dynamic
- D. static

Answer: C

Question: 11

Refer to the exhibit.

```
RTR01(config)#router eigrp 103
RTR01(config-router)#network 10.4.3.0
RTR01(config-router)#network 172.16.4.0
RTR01(config-router)#network 192.168.2.0
RTR01(config-router)#auto-summary
```

If RTR01 as configured as shown, which three addresses will be received by other routers that are running EIGRP on the network? (Choose three.)

- A. 172.16.4.0
- B. 10.0.0.0
- C. 172.16.0.0
- D. 192.168.2.0
- E. 192.168.0.0
- F. 10.4.3.0

Answer: ACD

Question: 12

Which two statements about TACACS+ are true? (Choose two.)

- A. It can run on a UNIX server.
- B. It authenticates against the user database on the local device.
- C. It is more secure than AAA authentication.
- D. It is enabled on Cisco routers by default.
- E. It uses a managed database.

Answer: A, E

Question: 13

DRAG DROP

Drag each IPv6 prefix on the left to its use on the right.

FF02::1	all EIGRPv6 routers
FF02::5	all link-local nodes on a segment
FF02::6	all OSPFv3 routers
FF02::A	all PIM routers
FF02::D	all site-local routers
FF05::2	OSPFv3 designated routers

Answer:

FF02::1 = All link-local nodes on a segment

FF02::5 = all OSPFv3 routers

FF02::6 = OSPFv3 designated routers

FF02::A = all EIGRPv6 routers

FF02::D = All PIM routers

FF05::2 = all site local routers

Question: 14

when you troubleshoot an IPv4 connectivity issue on a router, which three router configuration checks you must perform?

- A. Verify that the router interface IP address IP address is correct.
- B. Verify that the DNS is configured correctly.
- C. Verify that the router and the host use the same subnet mask.
- D. Verify that the router firmware is up-to-date.
- E. Verify that a default route is configured.
- F. Verify that the route appears in the routing table

Answer: ABF

Question: 15

Which command can you use to test whether a switch supports secure connections and strong authentication?

- A. Switch>ssh -v 1-l admin 10.1.1.1
- B. Router#ssh -v1 -l admin 10.1.1.1
- C. Router>ssh -V2 -l admin 10.1.1.1
- D. Switch#ssh -l admin 10.1.1.1

Answer: C

Question: 16

Which major component of the network virtualization architecture isolates users according to policy?

- A. network services virtualization
- B. access control.
- C. path isolation
- D. policy enforcement

Answer: A

Question: 17

Which utility can you use to determine whether a switch can send echo requests and replies?

- A. SSH
- B. traceroute
- C. ping
- D. Telnet

Answer: C

Question: 18

Which MAC protocol sets a random timer to reattempt communication?

- A. IEEE 802.1x
- B. RARP
- C. CSMA/CA
- D. CSMA/CD

Answer: D

Question: 19

Which DTP switch port mode allows the port to create a trunk link if the neighboring port is in trunk mode, dynamic desirable mode, or desirable auto mode?

- A. trunk
- B. access
- C. dynamic desirable
- D. dynamic auto

Answer: C

Question: 20

Which two statements about unique local IPv6 addresses are true?

- A. They are identical to IPv4 private addresses.
- B. They are defined by RFC 1884.
- C. They use the prefix FEC0::/10
- D. They use the prefix FC00::/7
- E. They can be routed on the IPv6 global internet.

Answer: AD

Question: 21

Which configuration command can you apply to a router so that its local interface becomes active if all other routers in the group fail?

- A. Router(config)#standby 1 preempt
- B. No additional configuration is required
- C. Router(config)#standby 1 Priority 250
- D. Router(config)#standby 1 track Ethernet

Answer: A

Question: 22

Refer to exhibit.

```
Router(config)# interface gigabitEthernet 0/1
Router(config)# ip address 192.168.1.1 255.255.255.0
Router(config)# speed 100
Router(config)# duplex full
```

Which command can you enter to verify link speed and duplex setting on the interface?

- A. router#showip protocols
- B. router#show startup-config
- C. router#show line
- D. router#show interface gig 0/1

Answer: D

Question: 23

Which HSRP feature was new in HSRPv2?

- A. VLAN group numbers that are greater than 255
- B. virtual MAC addresses
- C. tracking
- D. preemption

Answer: A

Question: 24

If three devices are plugged into one port on a switch and two devices are plugged into a different port, how many collision domains are on the switch?

- A. 2
- B. 4
- C. 5
- D. 6

Answer: C

Question: 25

Which IPV6 function serves the same purpose as ARP entry verification on an IPv4 network?

- A. interface ip address verification.
- B. MAC address table verification
- C. neighbor discovery verification
- D. routing table entry verification

Answer: C

Question: 26

Which task do you need to perform first when you configure IP SLA to troubleshoot a network connectivity issue?

- A. Verify the ICMP echo operation
- B. Specify the test frequency
- C. Enable the ICMP echo operation.
- D. Schedule the ICMP echo operation.

Answer: C

Question: 27

Which command should you enter to configure a device as an NTP sever?

- A. ntp peer
- B. ntp authenticate
- C. ntp sever
- D. ntp master

Answer: A

https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/system_management/503_n1_1/b_cisco_n5k_system_mgmt_cg_rel_503_n1_1/b_cisco_n5k_system_mgmt_cg_rel_503_n1_1_chapter_010000.pdf

Question: 28

You notice that packets that are sent from a local host to well-known service on TCP port 80 remote host are sometimes lost. You suspect an ACL issue. Which two APIC-EM path Trace ACL-analysis option should you use to troubleshooting the problem? (Choose two.)

- A. destination port
- B. QoS
- C. debug
- D. protocol
- E. performance Monitor

Answer: AC

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