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Exam : **050-632**

Title : networking technologies

Version : DEMO

1. Supernetting requires a minimum of how many consecutive IP network addresses? Answer:

A.2

Correct:A

2. Which IPv4 address classes are reserved for specific uses and may not be assigned to hosts? (Choose two.)

- A.A
- B.B
- C.C
- D.D
- E.E

Correct:D E

3. What IPX routing protocol is best suited for an internetwork that contains 138 routers, multiple redundant routes that require load balancing, and three WAN links? Answer:

A.NLSP,(NETWARELINKSERVICESPROTOCOL)

Correct:A

4. Which two components of the TCP/IP protocol suite map to the Host-to-Host layer of the DOD model? (Choose two.)

- A.IP
- B.TCP
- C.FTP
- D.NFS
- E.UDP
- F.ARP

Correct:B E

5. Click on the Exhibit button. A Class B network uses the subnet mask 255.255.224.0. The network will reserve subnets of all "0's" and all "1's". What is the maximum number of available subnets? Answer:

Binary to Decimal Conversion

| | | | | | | | | |
|---------|-----|----|----|----|---|---|---|---|
| Binary | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Decimal | 128 | 64 | 32 | 16 | 8 | 4 | 2 | 1 |

A.6

Correct:A

6. Select the link state routing protocols. (Choose two.)

- A.RIP
- B.LAT
- C.SNA
- D.NLSP
- E.RTMP
- F.OSPF

Correct:D F

7. What protocol is normally considered to be both a LAN and WAN protocol?

- A.PPP
- B.ATM
- C.X.25
- D.SLIP
- E.ISDN
- F.Frame Relay

Correct:B

8.Identify the network devices associated with the Data Link layer of the OSI model. (Choose two.)

- A.NICs
- B.routers
- C.switches
- D.gateways
- E.repeaters
- F.active hubs

Correct:A C

9.What is the maximum number of bytes that can be dedicated to the station address portion of an IPv4 address? Answer:

- A.THREE

Correct:A

10.What IPX routing protocol generally uses the least bandwidth, provides the fastest routing updates, and offers scalability for large internetworks? Answer:

- A.NLSP,(NETWARELINKSERVICESPROTOCOL)

Correct:A

11.What are two disadvantages to RIP? (Choose two.)

- A.static routing
- B.count-to-infinity
- C.resource intensive
- D.slow convergence time
- E.lack of industry support

Correct:B D

12.A network uses a subnet mask of 255.255.248.0. It reserves host addresses containing all "1's". How many host addresses are available for each subnet?

- A.255
- B.512
- C.1023
- D.2047

Correct:D

13.What protocol provides access to the X.500 and is specifically targeted at simple management and browser applications? Answer:

- A.LDAP,(LIGHTWEIGHTDIRECTORYACCESSPROTOCOL)

Correct:A

14.How many characters may be in a single domain name label?

- A.16
- B.63

C.120

D.255

Correct:B

15.Which IPX network addresses are reserved for special purposes? (Choose three.)

A.00000000

B.11111111

C.FFFFFFFF

D.FFFFFFFE

E.AAAAAAAAA

F.AAAA0000

Correct:A C D

16.How many bits are in an IPv4 address? Answer:

A.32

Correct:A

17.What IPX routing protocol offers load balancing capabilities without reducing the physical size of the internetwork? Answer:

A.NLSP,(NETWARELINKSERVICESPROTOCOL)

Correct:A

18.What information is exchanged in an initial "hello" packet between OSPF routers? (Choose three.)

A.hello interval

B.router priority number

C.full link state database

D.IP address and subnet mask

E.summary of the link state database

F.summary of the link state advertising database

Correct:A B D

19.A network administrator has been assigned a Class B network address of 150.225.0.0. The administrator then subnetted the network with a subnet mask of 255.255.240.0. If the administrator is reserving node addresses of all "0's" and all "1's," what is the range of available node addresses for the subnet 150.225.32.0?

A.150.225.32.1 to 150.225.44.254

B.150.225.32.1 to 150.225.47.254

C.150.225.32.1 to 150.225.48.254

D.150.225.32.1 to 150.225.50.254

E.150.225.32.1 to 150.225.52.254

F.150.225.33.1 to 150.225.44.254

G.150.225.33.1 to 150.225.46.254

H.150.225.33.1 to 150.225.48.254

I.150.225.33.1 to 150.225.52.254

J.150.225.33.1 to 150.225.54.254

Correct:A

20.How many IP addresses must be combined to create the IP supernet address 215.100.16.0/21?

A.2

B.3

C.4

D.5

E.6

F.7

G.8

H.9

I.10

Correct:G