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## Q&A

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**Exam** : **50-632**

**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**