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**QUESTION 1:**

What methodology regulates network media access on an 802.3u compliant LAN?

- A. HCS
- B. VG 100
- C. CSMA/CD
- D. Token passing

Answer: B

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**QUESTION 2:**

A network administrator needs to create 12 subnets. What is the minimum number of bits required to create the 12 subnets?

- A. 3 bits
- B. 4 bits
- C. 5 bits
- D. 12 bits

Answer: B

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**QUESTION 3:**

Select the link state routing protocol. (Choose two)

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

Answer: D, F

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**QUESTION 4:**

What element of an IPX address determines the packet's service destination within a given network device?

- A. Subnet mask
- B. Node address
- C. Socket number
- D. Network

- E. Network address
- F. Internet network address

Answer: C

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**QUESTION 5:**

Which IPX network addresses are reserved for special purposes? (Choose Three)

- A. 00000000
- B. 11111111
- C. FFFFFFFF
- D. AAAAAAAAAA
- E. AAAA0000

Answer: A, B, C

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**QUESTION 6:**

A network uses a subnet mask of 255.255.248.0 it receives host addresses contains all "1's". How many host addresses are available for each subnet?

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

Answer: D

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**QUESTION 7:**

Which elements form an IPX address used for internetwork communication? (Choose Three)

- A. Subnet mask
- B. Node address
- C. Socket number
- D. Network address

Answer: B, C, D

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**QUESTION 8:**

What is the maximum segment length allowed in a 100BASE-TX LAN?

- A. 100 meters
- B. 412 meters

- C. 1000 meters
- D. 10,000 meters

Answer: A

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**QUESTION 9:**

If a node has an IP address of 144.156.87.98, on which class of network is the node located?

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

Answer: B

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**QUESTION 10:**

Supernetting requires a minimum of how many consecutive IP network addresses?

Answer: 2

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