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**Exam :** 1T6-530

**Title :** TCP/IP Network Analysis and Troubleshooting

**Vendors :** Network General

**Version :** DEMO

NO.1 The acronym RFC stands for \_\_\_\_\_.

- A. Requested File Control
- B. Requesting Further Clarification
- C. Revised for Comments
- D. Request for Comments

Answer: D

NO.2 IP addresses consist of two parts. These parts are:

- A. The local portion and the host portion
- B. The local portion and the remote portion
- C. The network portion and the host portion
- D. The network portion and the remote portion

Answer: C

NO.3 The Sniffer posts a Local Router condition when:

- A. A host receives frames from a local router instead of a remote router
- B. No routing is available on a subnet
- C. A host sends its frames to a host instead of a router on a subnet
- D. A host sends its frames to the router's DLC instead of the DLC of a host on the same subnet

Answer: D

NO.4 Dynamic NAT is typically used for which type of host access?

- A. Outside to inside
- B. Inside to outside
- C. Inside to firewall
- D. Firewall to firewall

Answer: B

NO.5 The mask /26 will allow \_\_\_\_\_ hosts on a subnet.

- A. 30
- B. 32
- C. 62
- D. 64

Answer: C

NO.6 When viewing the layout of an IP packet, the first field is the:

- A. Version

- B. Destination address
- C. Source address
- D. TTL

Answer: A

NO.7 Which of the following is an address reserved by the InterNIC?

- A. 126.0.0.1
- B. 127.0.0.1
- C. 128.0.0.1
- D. All of the above

Answer: B

NO.8 The definition of a supernet is:

- A. A block of contiguous network addresses that creates a smaller address space for use on multiple network segments
- B. A block of separate network addresses that creates a larger address space for use on multiple network segments
- C. A block of separate network addresses that creates a smaller address space for use on multiple network segments
- D. A block of contiguous network addresses that creates a larger address space for use on multiple network segments

Answer: D

NO.9 A message is associated with which layer of the OSI reference model?

- A. Application
- B. Transport
- C. Network
- D. Data Link

Answer: A

NO.10 The address mask 255.255.224.0 equates to \_\_\_\_\_ in binary.

- A. 11111111. 11111111. 11100000. 00000000
- B. 00000000. 00000000. 00000000. 00000111
- C. 11111111. 11111111. 11111111. 11100000

D. 00000000. 00000111. 11111111. 11111111

Answer: A

NO.11 Which of the following ICMP messages is used to test for the existence of an address?

- A. Redirect
- B. Destination Unreachable
- C. Echo Request/Reply
- D. Source Quench

Answer: C

NO.12 ARP lets a host learn the \_\_\_\_\_ address of another node.

- A. DNS
- B. MAC or DLC
- C. IP
- D. WINS

Answer: B

NO.13 A logical AND operation of the address 1.2.3.4 with the mask 255.255.255.0 would result in the value:

- A. 1.0.0.0
- B. 1.2.3.255
- C. 1.2.3.0
- D. 255.255.255.4

Answer: C

NO.14 This protocol is connection-oriented and provides reliable end-to-end communication.

- A. UDP
- B. IP
- C. TCP
- D. ICMP

Answer: C

NO.15 The addresses described by 200.1.32.0 /23 is:

- A. A CIDR block
- B. A Class C subnet
- C. A Class B subnet
- D. An aggregator

Answer: A

NO.16 The relationship of ports, addresses and sockets is best represented by which of the following statements?

- A. A socket is an alternative name for a port
- B. A socket is a combination of port and IP address
- C. A port is an application and IP address
- D. A socket is a pair of IP addresses

Answer: B

NO.17 IP addresses consist of unique \_\_\_\_\_-bit address space.

- A. 16
- B. 32
- C. 1514
- D. 2048

Answer: B

NO.18 The mask 255.255.255.240 is equivalent to a mask length of\_\_\_\_\_.

- A. 24 bits
- B. 28 bits
- C. 32 bits
- D. None of the above

Answer: B

NO.19 What is the Network part of a host that has an address of 10.27.42.100, with a mask of 255.255.0.0?

- A. 10
- B. 27
- C. 27.42
- D. 100

Answer: A

NO.20 Proxy ARP is needed when:

- A. A station that does not have a default gateway needs to communicate with a node across a router
- B. A station that does not have a DNS server needs to communicate with a node across a router

- C. A station that does not have a WINS server needs to communicate with a node across a router
- D. A station that does not have a default gateway needs to communicate with a node on the same subnet

Answer: A