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**Exam** : **1T6-530**

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

**Version** : DEMO

1. This protocol is connection-oriented and provides reliable end-to-end communication.

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

**Answer: C**

2. 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**

3. The acronym RFC stands for \_\_\_\_\_.

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

**Answer: D**

4. A message is associated with which layer of the OSI reference model?

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

**Answer: A**

5. IP addresses consist of unique \_\_\_\_\_-bit address space.

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

**Answer: B**

6. The mask /26 will allow \_\_\_\_\_ hosts on a subnet.

- A. 30
- B. 32

C. 62

D. 64

**Answer: C**

7. 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**

8. 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**

9. 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**

10. 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**

11. 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**

12. 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**

13. 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**

14. 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**

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**

16. 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**

17. 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**

18. 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**

19. ARP lets a host learn the \_\_\_\_\_ address of another node.

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

**Answer: B**

20. 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**