

**Exam Code:** 1T6-530

**Exam Name:** TCP/IP Network Analysis and  
Troubleshooting

**Vendor:** Network General Corp

**Version:** DEMO

## Part: A

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

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

**Correct Answers: 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

**Correct Answers: B**

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

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

**Correct Answers: D**

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

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

**Correct Answers: A**

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

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

**Correct Answers: B**

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

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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: 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

**Correct Answers: A**

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

A.DNS

B.MAC or DLC

C.IP

D.WINS

**Correct Answers: 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

**Correct Answers: C**