Date: 11/2/2016 NT-ROUND-28

**Network+**

**Quiz-2**

**Chapter-2**

**Answer the following questions**

1. Write the names of OSI reference model.
2. Describe data link layer.
3. In which layer ports are used?
4. Which layer provides logical addressing that routers use for path determination?
5. Describe application layer.

**Choose the correct answer**

**1.** Host 1 sent a SYN packet to Host 2. What will Host 2 send in response?  
**A.** ACK  
**B.** NAK  
**C.** SYN-ACK  
**D.** SYN-NAK  
**E.** SYN  
**2.** TCP and UDP reside at which layer of the OSI model?  
**A.** 1  
**B.** 2  
**C.** 3  
**D.** 4  
**3.** Which layer of the OSI model provides a user interface in the form of an entry point  
for programs to access the network infrastructure?  
**A.** Application  
**B.** Transport  
**C.** Network  
**D.** Physical  
**4.** You are connected to a server on the Internet and you click a link on the server and  
receive a time-out message. What layer could be the source of this message?  
**A.** Application  
**B.** Transport  
**C.** Network  
**D.** Physical  
**5.** Which layer of the OSI model is responsible for code and character-set conversion as  
well as recognizing data formats?  
**A.** Application  
**B.** Presentation  
**C.** Session  
**D.** Network  
**6.** At which layers of the OSI model do bridges, hubs, and routers primarily operate,  
respectively?  
**A.** Physical, Physical, Data Link  
**B.** Data Link, Data Link, Network  
**C.** Data Link, Physical, Network  
**D.** Physical, Data Link, Network  
**7.** Which layer of the OSI model is responsible for converting data into signals appropriate for the transmission medium?  
**A.** Application  
**B.** Network  
**C.** Data Link  
**D.** Physical  
**8.** A receiving host has failed to receive all the segments that it should acknowledge. What  
can the host do to improve the reliability of this communication session?  
**A.** Send a different source port number.  
**B.** Restart the virtual circuit.  
**C.** Decrease the sequence number.  
**D.** Decrease the window size.  
**9.** Which Layer 1 devices can be used to enlarge the area covered by a single LAN segment? (Choose two.)  
**A.** Firewall  
**B.** NIC  
**C.** Hub  
**D.** Repeater  
**E.** RJ-45 transceiver  
**10.** Segmentation of a data stream happens at which layer of the OSI model?  
**A.** Physical  
**B.** Data Link  
**C.** Network  
**D.** Transport  
**50** Chapter 2 N The Open Systems Interconnection Specifications  
**11.** When data is encapsulated, which is the correct order?  
**A.** Data, frame, packet, segment, bits  
**B.** Segment, data, packet, frame, bits  
**C.** Data, segment, packet, frame, bits  
**D.** Data, segment, frame, packet, bits  
**12.** What are two purposes for segmentation with a bridge?  
**A.** To add more broadcast domains  
**B.** To create more collision domains  
**C.** To add more bandwidth for users  
**D.** To allow more broadcasts for users  
**13.** Acknowledgments, sequencing, and flow control are characteristic of which OSI layer?  
**A.** Layer 2  
**B.** Layer 3  
**C.** Layer 4  
**D.** Layer 7  
**14.** Which if the following is true regarding sequencing and acknowledgments?  
**A.** The segments delivered are acknowledged back to the sender upon their reception.  
**B.** If a segment is not received, the virtual circuit must be restarted from the beginning at a slower transmit interval.  
**C.** Any segments not acknowledged are retransmitted.  
**D.** Segments are sequenced back into their proper order upon arrival at their destination.  
**E.** All segments are retransmitted on time slot intervals.  
**15.** What is the purpose of flow control?  
**A.** To ensure that data is retransmitted if an acknowledgment is not received  
**B.** To reassemble segments in the correct order at the destination device  
**C.** To provide a means for the receiver to govern the amount of data sent by the  
sender  
**D.** To regulate the size of each segment  
**16.** At which layer of the OSI model would you find IP?  
**A.** Transport  
**B.** Network  
**C.** Data Link  
**D.** Physical  
**17.** Of the following, which is the highest layer in the OSI model?  
**A.** Transport  
**B.** Session  
**C.** Network  
**D.** Presentation  
**18.** Routers perform routing at which OSI layer?  
**A.** Physical  
**B.** Data Link  
**C.** Network  
**D.** Transport  
**E.** Application  
**19.** Which of the following mnemonic devices can you use to remember the first letter of  
the name of each layer of the OSI model in the proper order?  
**A.** All People Seem To Need Processed Data  
**B.** Always Should People Never Threaten Dog Police  
**C.** Please Do Not Throw Sausage Pizza Away  
**D.** All Day People Should Try New Professions  
**20.** Which IEEE standard specifies the protocol for CSMA/CD?  
**A.** 802.2  
**B.** 802.3  
**C.** 802.5  
**D.** 802.11