Date: 18/2/2016 NT-ROUND-28

**Network+**

**Quiz-4**

**Chapter-4**

**Answer the following questions**

1. Describe collision domain and broadcast domain.
2. What is CSMA/CD?
3. Write a short on Duplexing?
4. Convert the following numbers to binary

23, 44, 111

1. Convert the following numbers to binary

1101, 1010, 1111

**Choose the correct answer**

**1.** On an Ethernet switched network, what address does one host computer use to communicate with another?  
**A.** IP address  
**B.** MAC address  
**C.** Street address  
**D.** HUB address  
**2.** Which of the following can run full duplex and achieve 200Mbps with CAT5e cable?  
**A.** 100BaseF  
**B.** 100BaseTX  
**C.** 1000BaseF  
**D.** 1000BaseT  
**3.** How many devices in a collision domain have to listen when a single host talks?  
**A.** 2  
**B.** 3  
**C.** 1  
**D.** All  
**4.** If you are using a cable medium called 100BaseTF, what does this mean?  
**A.** That you are running Ethernet over cable  
**B.** That you are running Ethernet over fiber  
**C.** That you are running Ethernet over ThickNet  
**D.** That you are bundling multiple connections  
**5.** What protocol helps devices share the bandwidth evenly without having two devices  
transmit at the same time on the network medium?  
**A.** TCP/IP  
**B.** CSMA/CD  
**C.** HTTPS  
**D.** TFTP  
**6.** What is the maximum distance of 10GBaseSR?  
**A.** 100 meters (328 feet)  
**B.** 302 meters (990 feet)  
**C.** 305 meters (1000 feet)  
**D.** 1593 km (6 miles)  
**7.** How many wire pairs are used with half duplex?  
**A.** 2  
**B.** 1  
**C.** 4  
**D.** None of the above  
**8.** How many wire pairs are used with 100BaseT full duplex?  
**A.** 2  
**B.** 1  
**C.** 4  
**D.** A or C  
**9.** What is the maximum distance of 10GBaseLR?  
**A.** 1 mile  
**B.** 3 miles  
**C.** 6 miles  
**D.** 25 miles  
**10.** What is the effective total throughput increase with a full-duplex connection?  
**A.** None  
**B.** Twice as much  
**C.** Four times as much  
**D.** Ten times as much  
**11.** What device can you not use full-duplex communication with?  
**A.** Host  
**B.** Hub  
**C.** Switch  
**D.** Router  
**12.** What is the decimal equivalent of this binary number:  
11000000.10101000.00110000.11110000?  
**A.** 192.168.48.192  
**B.** 192.168.48.240  
**C.** 192.168.64.224  
**D.** 192.168.32.248  
**13.** Which technology increases the bandwidth for network transmission by joining  
together multiple connections in one logical connection?  
**A.** Bonding  
**B.** VLANs  
**C.** STP  
**D.** Traffic shaping  
**14.** How is the decimal value 10 represented in binary?  
**A.** 1000  
**B.** 1001  
**C.** 1010  
**D.** 1011  
**15.** What is the decimal value for the binary number 11101000?  
**A.** 128  
**B.** 194  
**C.** 224  
**D.** 232  
**16.** What is the decimal number 10 in hexadecimal?  
**A.** 9  
**B.** A  
**C.** C  
**D.** B  
**17.** How many bits is a MAC address?  
**A.** 16  
**B.** 32  
**C.** 48  
**D.** 64  
**18.** What is the maximum distance of 1000BaseT?  
**A.** 100 meters (328 feet)  
**B.** 128 meters (420 feet)  
**C.** 1000 meters (3280 feet)  
**D.** 1024 meters (3360 feet)  
**19.** What is the purpose of the Frame Check Sequence (FCS) in an Ethernet frame?  
**A.** Error correction  
**B.** Error detection  
**C.** Error recovery  
**D.** Creating errors  
**20.** What does the *Base* mean in 100BaseTX?  
**A.** Broadband  
**B.** 100Mbps  
**C.** Baseband  
**D.** Twisted-pair at 100Mbps