Date: 14/2/2016 NT-ROUND-28

**Network+**

**Quiz-3**

**Chapter-3**

**Answer the following questions**

1. Write the connector names of twisted pair, Coaxial and fiber optic cable.
2. Define single-mode and multimode-fiber.
3. What is a media convertor?
4. What are half-duplex and full-duplex?
5. Which type of cable will you use to connect switches?
6. In what instance would you use T1 crossover cable?
7. What are two advantages of fiber-optic cabling?

**Choose the correct answer**

**1.** Why would a network administrator use plenum-rated cable during an installation?  
(Choose two.)  
**A.** Low combustion temperature  
**B.** High combustion temperature  
**C.** Reduces toxic gas released during a fire  
**D.** Is not susceptible to any interference  
**2.** Which of the following Ethernet Unshielded twisted-pair cabling types are commonly used?  
**A.** 10BaseT  
**B.** 100BaseTX  
**C.** 1000BaseTX  
**D.** All of the above  
**3.** In which of the following categories is UTP cable not rated?  
**A.** Category 2  
**B.** Category 3  
**C.** Category 5e  
**D.** Category 8  
**4.** What type of connector does UTP cable typically use?  
**A.** BNC  
**B.** ST  
**C.** RJ-45  
**D.** SC  
**5.** Which of the following provides the longest cable run distance?  
**A.** Single-mode fiber  
**B.** Multimode fiber  
**C.** Category 3 UTP  
**D.** Coax  
**6.** You need to crimp on a connector using an RJ-45 connector. Which pin-out configuration would you use to connect a host into a switch?  
**A.** UTP  
**B.** Straight-through  
**C.** Crossover  
**D.** Rolled  
**7.** Fiber-optic cable is immune to electromagnetic interference (EMI) and radio frequency  
interference (RFI) because it \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .  
**A.** Transmits analog signals using electricity  
**B.** Transmits analog signals using light impulses  
**C.** Transmits digital signals using light impulses  
**D.** Transmits digital signals using electricity  
**8.** What type of cable transmits lights from end to end?  
**A.** Coax  
**B.** Fiber-optic  
**C.** UTP  
**D.** Category 2  
**9.** What is the main difference between single-mode fiber (SMF) and multimode  
fiber (MMF)?  
**A.** Electrical signals.  
**B.** Number of light rays.  
**C.** Number of digital signals.  
**D.** Signal-mode can be run a shorter distance.  
**10.** What type of cable should be used if you need to make a cable run longer than  
100 meters?  
**A.** Category 5e  
**B.** Category 6  
**C.** Fiber-optic  
**D.** Coaxial  
**11.** Which of the following are fiber-optic connectors? (Select three.)  
**A.** BNC  
**B.** ST  
**C.** RJ-11  
**D.** SC  
**E.** LC  
**F.** RJ-45  
**12.** You need to connect two devices on a vertical connect and they need to send voice  
traffic. Which of the following cable will you use?  
**A.** Cat 3  
**B.** Cat 5  
**C.** Cat 8  
**D.** Rolled  
**13.** How many hosts on a half-duplex segment can talk at one time?  
**A.** 0  
**B.** 1  
**C.** 2  
**D.** Unlimited  
**14.** Which type of cable does EMI have the least effect on?  
**A.** Coax  
**B.** Fiber-optic  
**C.** UTP  
**D.** STP  
**15.** How many devices can be connected to a full-duplex segment?  
**A.** 0  
**B.** 1  
**C.** 2  
**D.** 4  
**16.** How many wires are used in a 100 Mbps UTP transmission?  
**A.** 2  
**B.** 4  
**C.** 6  
**D.** 8  
**17.** A crossover cable is used to connect all of the following except \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  
**A.** Switch to switch  
**B.** Host to host  
**C.** Hub to switch  
**D.** Host to switch  
**18.** How is a T1 crossover cable crosses wired?  
**A.** Pins 1, 2, 4, and 5 are connected to 4, 5, 1, and 2.  
**B.** Pins 2, 3, 4, and 5 are connected to 4, 5, 1, and 2.  
**C.** Pins 1, 2, 4, and 5 are connected to 3, 4, 5,and 6.  
**D.** Pins 4, 5, 6, and 7 are connected to 4, 5, 1, and 2.  
**19.** The purpose of the demarcation point is to separate the customer from whom?  
**A.** The branch office  
**B.** Headquarters  
**C.** The data center  
**D.** The service provider  
**20.** You need to make a 568B cable for a FastEthernet link. How many pairs will you use?  
**A.** 1  
**B.** 2  
**C.** 3  
**D.** 4