**Comptia A+**

To watch the below video, you need to right click on the Hyperlink just below the highlighted task in red color and select the Open Hyperlink option. It will take you to the YouTube where you can watch the concerned video.

You are required to watch the video and answer the Questions asked below.

You need to type answers in the row indicated with “Ans.”

**What are the network cables and connectors?**

| Network cables and connectors  <https://drive.google.com/file/d/14GSkAJacs-pw2bREiPKoUUmTwY1AC0LN/view?usp=sharing> | |
| --- | --- |
| 1 | What is the central piece of fiber? |
| Ans. | glass |
| 2 | What is the use of core? |
| Ans. | to transmit the information |
| 3 | What is cladding in fiber? |
| Ans. | it's a protective cover to protect the fragile core |
| 4 | Can we go long distance using fiber? |
| Ans. | yes |
| 5 | What are the types of fiber? |
| Ans. | single and multi mode core fiber |
| 6 | WAN is used for? |
| Ans. | single mode core fiber |
| 7 | LAN is used for? |
| Ans. | multi mode core fiber |
| 8 | What do you mean by single mode fiber? |
| Ans. | transmit single light in one core |
| 9 | What do you mean by multimode fiber? |
| Ans. | multiple light is transmitted |
| 10 | How far we can go using single mode fiber? |
| Ans. | 40 km |
| 11 | How far we can go using multimode fiber? |
| Ans. | 550m |
| 12 | WAN stands for? |
| Ans. | wide area network |
| 13 | LAN stands for? |
| Ans. | local area network |
| 14 | What are the types of single mode fiber? |
| Ans. |  |
| 15 | What are the types of Multimode fiber? |
| Ans. |  |
| 16 | How do these fiber optics cable connect to an equipment? |
| Ans. | st connector, sc connector, Lc connector, |
| 17 | ST stands for? |
| Ans. | straight tip connector |
| 18 | SC stands for? |
| Ans. | subscriber connector |
| 19 | LC stands for? |
| Ans. | local connector |
| 20 | What is the use of twisted pair cabling? |
| Ans. | connect the device to the wireless as well as transmit data |
| 21 | What are the types of twisted pair? |
| Ans. | unshielded and shielded |
| 22 | UTP stands for? |
| Ans. | unshielded twisted pair |
| 23 | STP stands for? |
| Ans. | shielded twisted pair |
| 24 | What do you mean by UTP? |
| Ans. | less protection around the copper |
| 25 | What do you mean by STP? |
| Ans. | less protection around the copper |
| 26 | How many wires in UTP? |
| Ans. | 8 |
| 27 | How many pair of wire in UTP? |
| Ans. | 4 |
| 28 | What are the coloring pair of wire in UTP? |
| Ans. | orage- white orange, blue-white blue, green-white green, brown-white brown |
| 29 | What are the common standard for UTP coloring? |
| Ans. | T568a and T568b |
| 30 | How colors arranged in T-568A |
| Ans. | white green, green, white orange, blue, white blue, orange, white brown, brown |
| 31 | How colors arranged in arranged in T-568B? |
| Ans. | white orange, orange, white green, blue, white blue, green, white brown, brown |
| 32 | What do you mean by crossover cable? |
| Ans. | the cables in which which the cable standard on one end is T568a and the other is T568b |
| 33 | RJ stands for? |
| Ans. | registered jack |
| 34 | What do you mean by RJ11? |
| Ans. | theses are used for the telephone |
| 35 | What do you mean by RJ45? |
| Ans. | bigger in size used for computers |
| 36 | What are the copper cable categories? |
| Ans. | category 3-4, category5, category5e, category6, category6a, category 7 and category8 |
| 37 | What is splitter? |
| Ans. | it's used to connect two devices |
| 38 | Is splitter degrade the quality of the connection? |
| Ans. | yes |
| 39 | What are the types of coaxial cable? |
| Ans. | rg-6 and rg59 |
| 40 | What do you mean by RG-6? |
| Ans. | the have larger diameter of copper core and it is used for satellite and television |
| 41 | What are the types of connector type with coaxial technology? |
| Ans. | british naval connector and f type of connector |
| 42 | How far RG 6 connection can go? |
| Ans. | 1000 feet |