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.	core - piece of glass
2	What is the use of core?
Ans.	to transmit information
3	What is cladding in fiber?
Ans.	to protect the core
4	Can we go long distance using fiber?
Ans.	Yes
5	What are the types of fiber?
Ans.	single mode fiber, multimode fiber
6	WAN is used for?
Ans.	to connect multiple local area networks together, spanning a larger geographic area such as city, state or country
7	LAN is used for?
Ans.	to connect devices and computers within a limited geographical area such as homes, offices, schools
8	What do you mean by single mode fiber?
Ans.	is a type of optical fiber that has a small core diameter, typically around 8-10 micrometers
9	What do you mean by multimode fiber?
Ans.	is a type of optical fiber that supports multiple lights paths, allowing multiple signal to travel simultaneously over short distances

10	How far we can go using single mode fiber?
Ans.	it can transmit data over a long distances - WAN
11	How far we can go using multimode fiber?
Ans.	it can transmit data over a short distances - LAN
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.	OS1 and OS2
15	What are the types of Multimode fiber?
Ans.	OM1, OM2, OM3, OM4, OM5
16	How do these fiber optics cable connect to an equipment?
Ans.	SC, ST, LC
17	ST stands for?
Ans.	Straight Tip
18	SC stands for?
Ans.	Subscriber Connector
19	LC stands for?
Ans.	Local Connector
20	What is the use of twisted pair cabling?
Ans.	connects home and business computers to the telephone company
21	What are the types of twisted pair?
Ans.	UTP and STP
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.	more shield in the copper

26	How many wires in UTP?
Ans.	8 wires
27	How many pair of wire in UTP?
Ans.	4 pairs
28	What are the coloring pair of wire in UTP?
Ans.	Orange and white orange - Green and white green - Blue and white blue - Brown and white brown
29	What are the common standard for UTP coloring?
Ans.	T-568A and T-568B
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.	used to connect two devices of the same type
33	RJ stands for?
Ans.	Registered Jack
34	What do you mean by RJ11?
Ans.	type of connector commonly used for telephone cables
35	What do you mean by RJ45?
Ans.	connects a computer to a local area network
36	What are the copper cable categories?
Ans.	Category 3-4 , Category 5,Category 5e, Category 6, Category 6a, Category 7, Category 8
37	What is splitter?
Ans.	a device used to split the cable signal to two or more devices
38	Is splitter degrade the quality of the connection?
Ans.	Yes
39	What are the types of coaxial cable?
Ans.	RG-6 and RG-59
40	What do you mean by RG-6?
Ans.	type of a coaxial cable used in wide variety of residential and commercial applications
41	What are the types of connector type with coaxial technology?
Ans.	BNC Connector, SMA Connector

42	How far RG 6 connection can go?
Ans.	1000 ft