**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.”

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| **PC interfaces**  <https://drive.google.com/file/d/13zSVE18zJTSzB8hd8O6z_E8A60PPslu1/view?usp=sharing> | |
| 1 | What are the types of physical connection we can use to connect external device to the computer system? |
| Ans. | USB (Universal Serial Bus) PortMost desktop computers have several USB ports. These can be used to connect almost any type of device, including mice, keyboards, printers, and digital cameras. They will often appear on the front and back of the computer. |
| 2 | USB stands for? |
| Ans. | USB (Universal Serial Bus) |
| 3 | How many generation of USB? |
| Ans. | 1.1 , 2.0,3.0, 3.1, |
| 4 | IEEE1354 is also known as? |
| Ans. | is most commonly known by the name FireWire |
| 5 | Why we use fire wire? |
| Ans. | Firmware is most often used to connect digital camcorders, external hard drives, and other devices that can benefit from the high transfer rates (up to 480 Mbps) supported by the Firewire connection. The iSight camera used for chatting on the Mac connects using a Firewire cable. |
| 6 | IDE stands for? |
| Ans. | integrated development environment  An integrated development environment (IDE) is a software applicatio |
| 7 | Why we use of IDE? |
| Ans. | An integrated development environment (IDE) is a software application that helps programmers develop software code efficiently. It increases developer productivity by combining capabilities such as software editing, building, testing, and packaging in an easy-to-use application |
| 8 | IDE is replaces with? |
| Ans. | IDE is an older technology from 1981 for connecting a device such as a hard drive to the system board of a computer or laptop. It is obsolete and no longer used. It was replaced by SATA which was first released in 2000 |
| 9 | SATA stands for? |
| Ans. | Serial Advanced Technology Attachment |
| 10 | What is the speed of eSATA? |
| Ans. | eSATAp ports (bracket versions) can run at a theoretical maximum of 6 gigabits per second (Gbit/s) and are backwards compatible with devices such as eSATA 3 Gbit/s (SATA Revision 2) and also at 1.5 Gbit/s (SATA Revision 1). |
| 11 | Is SATA faster than IDE? |
| Ans. | SATA stands for Serial Advanced Technology Attachment (or Serial ATA) and IDE is also called Parallel ATA or PATA. SATA is the newer standard and SATA drives are faster than PATA (IDE) drives. |
| 12 | VGA stands for? |
| Ans. | Video Graphics Array |
| 13 | Why we use of VGA? |
| Ans. | VGA, or Video Graphics Array, is a standard display interface used to connect video output devices to computers and projectors to displays to monitors and TVs. It quickly became the industry standard for displaying graphics on computer screens. |
| 14 | HDMI stands for? |
| Ans. | High-Definition Multimedia Interface |
| 15 | Why we use of HDMI? |
| Ans. | The most notable advantage of HDMI 2.1 is that it provides 4k resolution at 120fps and 8k resolution at 60fps video output. HDMI is a popular connection for consumer electronics, including televisions, game consoles, and Blu-ray players. It's also used in some professional applications like projectors and cameras. |
| 16 | DVI stands for? |
| Ans. | Digital Visual Interface |
| 17 | Why we use of DVI? |
| Ans. | DVI stands for Digital Visual Interface and offers a distinctly sharper, better picture than VGA. It's a unique connector because it can carry both digital and analog signals. DVI can also easily convert to other standards like HDMI and VGA. |
| 18 | Ethernet port is used for? |
| Ans. | An ethernet port, also known as an ethernet jack, allows you to connect your computer to the internet via an Ethernet cord. It is much like a telephone jack but wider, and it carries data instead of voice. |
| 19 | What is the use of thunderbolt port? |
| Ans. | You can use the Thunderbolt port on your Mac to connect a display, TV, or a device, such as an external storage device. And with the appropriate adapter, you can connect your Mac to a display that uses DisplayPort, Mini DisplayPort, DVI, HDMI, or VGA. |
| 20 | What are the types of wireless connection |
| Ans. | WIRELESS PAN, WIRELESS LAN, WIFI, BLUETOOTH |
| 21 | NFC stands for? |
| Ans. | Near-field communication |
| 22 | RF stands for? |
| Ans. | Radio Frequency |
| 23 | Give an example where we use infrared technology? |
| Ans. | We use infrared radiation in many ways, including thermal imaging cameras, remote controls, fiber optic cables, infrared astronomy, and meteorology. |
| 24 | Give an example where we use Bluetooth technology? |
| Ans. | Bluetooth technology is primarily used to wirelessly connect peripherals to mobile phones, desktops, and laptops. Some of the most common Bluetooth accessories include mice, keyboards, speakers, and headphones. Many gaming controllers use Bluetooth technology for wireless connectivity as well. |
| 25 | Give an example where we use radio frequency technology? |
| Ans. | Various frequencies of radio waves are used for television and FM and AM radio broadcasts, military communications, mobile phones, ham radio, wireless computer networks, and numerous other communications applications. |
| 26 | What are the things we should be concern about when we going with any connection type? |
| Ans. | **Three elements are needed for two computers to talk to each other to form a network** |