**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 is motherboard?**

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| **Motherboard**  <https://drive.google.com/file/d/1CTz7N-h6AiCY7ibl2rcWJqZdhzWqxFNC/view?usp=sharing> | |
| 1 | What is motherboard? |
| Ans. | A motherboard is the main printed circuit board (PCB) in a computer |
| 2 | What down three types of motherboard? |
| Ans. | There's the standard ATX motherboard, the smaller microATX, and the even smaller Mini-ITX motherboard. |
| 3 | PCI stands for? |
| Ans. | Peripheral Component Interconnect, or PCI, is the most common way to attach add-on controller cards and other devices to a computer |
| 4 | What PCI slot does? |
| Ans. | PCI slots allow you to install a wide variety of expansion cards including: Graphics or Video cards. Sound cards. Network cards. |
| 5 | What are clips in motherboard? |
| Ans. | A typical motherboard contains the CPU, memory, storage, ROM BIOS, Southbridge and Northbridge chipsets, cooling fans, peripheral connector slots, connectors for peripheral devices, the battery backup and the power connector. |
| 6 | What color coding give us in motherboard? |
| Ans. | Green is just the conventional colour used for the solder-resist put on the outside layers of circuit boards to ensure that stray solder does not migrate when components are soldered on. |
| 7 | What is dual channel? |
| Ans. | Dual channel memory is a technology that allows your CPU to access two memory modules simultaneously, doubling the bandwidth and speed of data transfer. |
| 8 | If we have two ram then we put them in the slots? |
| Ans. | If you have two memory bars in four slots, you should use the second and fourth slots. If you have four slots and four memory, you should insert a matching pair in the first and third slots and |
| 9 | If you don’t have different color slots then what it means? |
| Ans. |  |
| 10 | CPU stands for? |
| Ans. | Central processing unit |
| 11 | CPU is also known as? |
| Ans. | the “central” or “main” processor, |
| 12 | Is there is a socket inside the motherboard to house CPU? |
| Ans. | The processor socket (also called a CPU socket) is the connector on the motherboard that houses a CPU and forms the electrical interface and contact with the CPU. |
| 13 | Why chipset is known as chipset? |
| Ans. | Processors in computers are called "chipsets" because they are literally chips that are integrated into the motherboard of a computer. |
| 14 | North pond chip is known as? |
| Ans. | computing, a Northbridge (also host bridge, or memory controller hub) is one of two chips comprising the core logic chipset architecture on motherboards for older personal computers. |
| 15 | South pond chip is known as? |
| Ans. | Southbridge is a component found on a computer's motherboard. It is responsible for managing various peripheral devices connected to the computer, such as universal serial bus (USB) ports, audio ports, serial ports, |
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| 17 | What Northbridge do? |
| Ans. | computing, a Northbridge (also host bridge, or memory controller hub) is one of two chips comprising the core logic chipset architecture on motherboards for older personal computers |
| 18 | Write down few components of motherboard? |
| Ans. | A typical motherboard contains the CPU, memory, storage, ROM BIOS, Southbridge and Northbridge chipsets, cooling fans, peripheral connector slots, connectors for peripheral devices, the battery backup and the power connector. |
| 19 | What CMOS battery does? |
| Ans. | Flash the system |
| 20 | What power connectors do? |
| Ans. | Power connectors are devices that allows an electrical current to pass through it for the exclusive purpose of providing power to a device (not a data stream, for example, or anything more complex). |
| 21 | What fan connectors do? |
| Ans. | Mother board fan connectors provide fans the small amounts of power they need to keep spinning and, in some cases, offer user control of fan |
| 22 | What is bus speed in the motherboard? |
| Ans. | Bus speed usually refers to the speed of the front side bus (FSB), which connects the CPU to the north bridge. FSB speeds can range from 66 MHz to over 800 MHz. Since the CPU reaches the memory controller though the |