**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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| **Hands on lab storage**  <https://drive.google.com/file/d/13wpNT7E27HeFmPDFOKw25L3jsENk9X3N/view?usp=sharing> | |
| 1 | Write few types of SATA drives? |
| Ans. | SATA Drive can be both an HDD or an SSD. Both types of SATA hard drives have the same function: to store and access data on an electronic device. However, they use drastically different technology to store data |
| 2 | What is the storage capacity SATA 10000rpm? |
| Ans. | 500 GB to 16 TB |
| 3 | What is the cost of SATA 10000rpm? |
| Ans. | 60$ |
| 4 | What is the storage capacity of SATA 7200rpm? |
| Ans. | A 1TB SATA 7200 RPM HDD refers to a type of hard disk drive that offers a storage capacity of 1 terabyte (TB) and operates at a rotational speed of 7200 revolutions per minute (RPM) |
| 5 | What is the cost of SATA 7200rpm? |
| Ans. | 35$88$ |
| 6 | What is the storage capacity of SATA SSD? |
| Ans. | 128GB TO 480GB |
| 7 | What is the cost of SATA SSD? |
| Ans. | 19 $ TO 35$ |
| 8 | What is the storage capacity SATA hybrid 7200rpm? |
| Ans. | hese 7200-RPM hard drives are available in capacities up to 1TB and offer faster data rates up to 160MB/s, |
| 9 | What is the cost of SATA hybrid 7200rpm? |
| Ans. | 109$ 235$ |
| 10 | Do we need more storage and more rpm speed for the use of Email and Internet? |
| Ans. | NO |
| 11 | Do we need RAID 5 (three drives) for redundancy and performance? |
| Ans. | RAID 5 arrays require a minimum of three disk drives. For redundancy this array uses data striping and parity which also provides data protection and a performance boost. The upside of this is that parity data is error-correcting redundancy that is designed to re-create data |
| 12 | Which SATA drive we use for better speed? |
| Ans. | SSDs are also much faster, both in boot times and read and writing speeds. However, SSDs remain an expensive option compared to HDDs, which are much more affordable for a similar amount of storage space. |
| 13 | Which SATA drive we use to store pictures and movies? |
| Ans. | SSDs offer faster and more reliable performance suitable for smaller projects, but you may find that the storage capacity is limiting. HDDs offer large storage capacity and are cheaper, making them an ideal choice for editors working on significant video projects. |
| 14 | Is SATA hybrid 7200rpm is slower than SATA SSD? |
| Ans. | On the other hand, 7200 RPM HDDs are slower due to their mechanical nature, with data retrieval times being slower compared to SSDs. However, cost is where the 7200 RPM HDD has an advantage. HDDs are significantly cheaper per gigabyte compared to SSDs |
| 15 | SATA stands for? |
| Ans. | SATA (also referred to as Serial ATA) stands for Serial Advanced Technology Attachment, an industry-standard bus interface for connecting a computer's host bus adapter to storage devices such as hard disk drives (HDD), optical drives and solid-state drives (SSD). Serial ATA (SATA) Cable. |