**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 firmware?**

|  |  |
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| **BIOS UEFI**  <https://drive.google.com/file/d/1aeBiuqXH0SmbY9JJ_vz3ml6CvtwMYYE4/view?usp=sharing> | |
| 1 | Is windows is the software that controls the system? |
| Ans. | yes |
| 2 | Is Firmware control the system before we get to the windows? |
| Ans. | yes |
| 3 | What are the types of firmware? |
| Ans. | card printer and device |
| 4 | BIOS stand for? |
| Ans. | basic input output system |
| 5 | UEFI stands for? |
| Ans. | unified extensible firmware interface |
| 6 | Where are BIOS/UEFI store? |
| Ans. | in the NOR flash chip of the motherboard |
| 7 | EEPROM stands for? |
| Ans. | electrically erasable programmable read only memory |
| 8 | How do we interact with the information which is in the chip? |
| Ans. | Chip on the mother board control the communication with RAM AND SYSTEM |
| 9 | CMOS stands for? |
| Ans. | complementary metal oxide semiconductor |
| 10 | Updating BIOS is also known as? |
| Ans. | flashing the BIOS |
| 11 | How can you get the new BIOS program? |
| Ans. | we can download file form the manufacturer website DELL ARORA R 4 SYSTEM BIOS FILE DOWNLOAD |
| 12 | How do you get into the CMOS setup? |
| Ans. | F2 |
| 13 | Can we use mouse in the CMOS setup display? |
| Ans. | no |
| 14 | What is the use of up and down arrow keyword? |
| Ans. | to move the cursor |
| 15 | What is the use of left and right arrow keyword? |
| Ans. | to move the tab or switch the tab move |
| 16 | What is the use of “-/+” keyword? |
| Ans. | function to increase or decrease CHANGE THE VALUE |
| 17 | What is the use of “Enter” keyword? |
| Ans. | command , yes , |
| 18 | What is the use of “f9” keyword? |
| Ans. | SETUP DEFULTS |
| 19 | What is the use of “f10” keyword? |
| Ans. | SAVE AND EXIT |
| 20 | What BIOS allows you? |
| Ans. | change boot order , change system voltage, change date and time , cPU settings |
| 21 | Give an example drive encryption of windows? |
| Ans. | bit locker drive encryption SYSTEM PASSWORD |
| 22 | What is bit-locker? |
| Ans. | help to protect the entire operating system |
| 23 | What does TPM chip do? |
| Ans. | trust product module that there is no tempering on the system |
| 24 | Lo-jack is used in\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Ans. | MOBILE DEVICES |
| 25 | What is secure boot? |
| Ans. | it is design to protect secure feature in windows |
| 26 | BIOS built POST diagnostic? |
| Ans. | basic power on self-test these code may be monitor on special hardware POST |
| 27 | POST stands for\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Ans. | POWER ON SELF TEST |
| 28 | What is the use of POST? |
| Ans. |  |
| 29 | What are the things we can monitor using BIOS to help our system? |
| Ans. | THE BIOS MONITOR SYSTEM INVENTORY , temp, fan ,id voltage, clock ,bus speed |
| 30 | What do you mean by bus speed? |
| Ans. | SYSTEM BUS CAN MOVE DATA FROM ONE SYSTEM TO OTHER SYSTEM |