**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?**

| **BIOS UEFI**  <https://drive.google.com/file/d/1aeBiuqXH0SmbY9JJ_vz3ml6CvtwMYYE4/view?usp=sharing> | |
| --- | --- |
| 1 | Is windows is the software that controls the system? |
| Ans. | no |
| 2 | Is Firmware control the system before we get to the windows? |
| Ans. | yes |
| 3 | What are the types of firmware? |
| Ans. | EEPROM and Nvram |
| 4 | BIOS stand for? |
| Ans. | basic input and output system |
| 5 | UEFI stands for? |
| Ans. | unified extensible firmware interface |
| 6 | Where are BIOS/UEFI store? |
| Ans. | eeprom |
| 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. | CMOS |
| 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. | download the file or thumbs drive |
| 12 | How do you get into the CMOS setup? |
| Ans. | reboot the system by entering the F2 key |
| 13 | Can we use mouse in the CMOS setup display? |
| Ans. | no |
| 14 | What is the use of up and down arrow keyword? |
| Ans. | select item |
| 15 | What is the use of left and right arrow keyword? |
| Ans. | select menu |
| 16 | What is the use of “-/+” keyword? |
| Ans. | change values |
| 17 | What is the use of “Enter” keyword? |
| Ans. | execute command |
| 18 | What is the use of “f9” keyword? |
| Ans. | setup defaults |
| 19 | What is the use of “f10” keyword? |
| Ans. | save and exit |
| 20 | What BIOS allows you? |
| Ans. | examine information of components |
| 21 | Give an example drive encryption of windows? |
| Ans. | flash thumb drive |
| 22 | What is bit-locker? |
| Ans. | its an encryption which helps to protect the data |
| 23 | What does TPM chip do? |
| Ans. | makes sure that that drive is not being tempered |
| 24 | Lo-jack is used in\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Ans. | car |
| 25 | What is secure boot? |
| Ans. | check the system file |
| 26 | BIOS built POST diagnostic? |
| Ans. |  |
| 27 | POST stands for\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Ans. | power on self task |
| 28 | What is the use of POST? |
| Ans. | beef sounds |
| 29 | What are the things we can monitor using BIOS to help our system? |
| Ans. | temperature, fan, ID, voltage, clock, bus speed |
| 30 | What do you mean by bus speed? |
| Ans. | how fast things can be communicated |