

**Advanced Boot Menu:** Despite of general booting procedure, a Windows based PC offers some other booting options as well. These options let the user boot his PC in different environments and settings. Following is a list of all boot options available in Windows XP:

- 1.** Safe mode
- 2.** Safe mode with networking
- 3.** Safe mode with command prompt
- 4.** Enable boot logging
- 5.** Enable VGA mode
- 6.** Last known good configuration
- 7.** Start Windows normally

**Safe mode:** The system starts with only basic services and drivers like: mouse, keyboard, monitor and mass storage (HDD). This mode is used for diagnosing the system when it is not working properly in normal mode.

**Safe mode with networking:** This mode adds the services and drivers of network controllers with safe mode. This mode is used when there is some problem with network controllers in our PC.

**Safe mode with command prompt:** This mode adds services and commands of DOS to the safe mode. When system starts, it displays the command prompt i.e. [ C:\> ].

**Enable boot logging:** This mode enables the display of all initial boot-up proceedings on the black screens. The machines that move directly to the log-on screens are having this mode disabled.

**Enable VGA mode:** Every display device has a limit of display resolution support. When we set a resolution out of this limit, the machine internally disables the display to avoid any hazard. Enable VGA mode works in this condition and brings back the display on the very basic 640 \* 480 resolution.

**Last known good configuration:** This mode starts the system with all the best services and drivers used recently. One of the most popular modes is this.

**Start Windows normally:** This mode starts the system with all the drivers and services that are installed in the system.

**NOTE:** The advanced boot-up menu is triggered by pressing F8 key immediately after the POWER button is pressed.

### **Assignments:**

- 1.** What is advanced boot menu? How does it appear?
- 2.** Differentiate between Safe mode and Normal mode.