

Shri G. S. Institute of Technology and Science, Indore
Department of Computer Engineering
CO 24508: Operating Systems
Lab Assignment- 5
(Sem. Jan. 2024 – Jun. 2024)

Dt. 19/02/2023

[Related to Windows Operating System and BIOS]

Date of Submission:- 26/02/2023

1. Find the following for your computer system:
 - a. Regarding Processor: its name, type, clock speed, no. of cores, whether it is 32 or 64-bit processor.
 - b. Regarding RAM & cache: size of installed RAM, size of available RAM; memory technology used; size of L2 and L3 cache.
 - c. Current speed of processor Fan and Power supply Fan.
 - d. Current temperature of CPU/ diff. cores of CPU.
 - e. total and free disk space; information about various disk partitions.
2. What is 'BitLocker'? For what purpose is it used? How is it used?
3. What features of Windows can be used to save files to two or more drives, to protect the files from a drive failure?
4. How can you setup the speech recognition?
5. What functionality is provided by Windows' Device Manager?
6. How can defragmentation/optimization of the disk drives be done?
7. How can you create disk partitions? How can these partitions be formatted?
8. How can event logs be viewed?
9. What virtualization support is provided by BIOS?
10. What is the use of post behaviour option of BIOS setup?
11. What is UEFI Boot mode?
12. How can password be set for the system's internal hard disk?