**Guru Tegh Bahadur Institute of Technology**

**Fundamentals of Computing Assignment (Unit-2)**

Q1. What is an Operating System? Explain its main functions.

Q2. Explain the difference between DOS, Windows and Linux operating systems.

Q3. What is a kernel?

Q4. Explain the various DOS internal command (MD, CD, RD, COPY CON, REN, COPY, CLS, VOL, DATE, CAL) with examples.

Q5.Explain the various DOS External Commands (LABEL, FORMAT, TREE, DISK COPY , APPEND ,RESTORE , REPLACE, ATTRIB ,CHKDSK, DEBUG) with examples.

Q6. Differentiate between multitasking, multithreading and multiprocessing.

Q7. Change the permission for the file myfile.txt to rw------- using the chmod command.

Q8. Add the read permission for the group and others using chmod to myfile.txt.

Q9. Explain the Windows architecture with diagram.

Q10. What is formatting? How disk partitioning is different from disk formatting?

Q11. Explain Linux architecture with diagram.

Q12. What is the use of Windows Registry?