**First Assignment on Operating system BSC.CSIT 4th semester**

1. Define operating system and it applications
2. What are different types of operating system? Explain each in detail.
3. Write different generations of operating system in detail.
4. Define user level and kernel level operating system.
5. What is layered OS explain in detail.
6. What is Kernel in OS explain it functionality.
7. Explain different type of kernel structure in detail with suitable diagram and advantages and disadvantages.
8. What is virtual machine ? explain in detail.
9. What is shell in operating system ? what is fuction of shell ?
10. What is system call in OS ?What are the different methods to invoke system call in OS? Explain different type of system call in OS?
11. What is process in OS ?How it differ from program?
12. Explain process state diagram in detail.
13. Explain what is process control block (PCB) in OS?
14. How a process is created ,terminated and implemented explain in detail .
15. What is cooperative processess ? Expalin advantages of cooperative processes.
16. How cooperative processes communicate with each other ?explain methods of Inter process communication(IPC).