**NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA**

**Even Semester 04**

**UNIT -01 ASSIGNMENT 01**

**Subject Name: Operating System**

1. Explain the role of Operating System as a resource manager.
2. Explain operating system services in details.
3. Distinguish between Multiprocessor system and clustered system.
4. What are the different categories of system programs? Explain.
5. Explain different categories of system calls with example.
6. What are the 3 main purposes of an Operating System.
7. Explain the following terms and their working with diagram a): Buffering b): Spooling c) Booting d) Bare Machine.
8. Difference between Monolithic and Microkernel Systems.
9. Describe various operations performed by Kernel.
10. Explain terms: Shell, Kernel, Process and thread.