

## Assignment - I

1. What is an Operating System
2. Describe the functions of OS.
3. List the objectives of an OS.
4. Explain four basic components of Computer System.
5. List various services provided by OS.
6. Purpose of system call.
7. How is system call handled by the system.
8. Categories of system program
9. What is the main difficulty that a programmer must overcome in writing an OS for a real-time environment.
10. Differentiate b/w hard & soft real time OS.
11. Different types of OS.
12. Explain batch OS with example.
13. Explain network OS with example.
14. Explain distributed OS with example.
15. Describe some of the challenges of designing OS for mobile devices compared with designing OS for traditional PCs?
16. What do you mean by kernel.
17. Various operations performed by kernel.
18. Advantage and disadvantages of layered approach to system design.

19. Write about monolithic kernel, layer and micro kernel
20. Explain layer OS structure