Unit 1 – Chapter 1

1. What are the two main functions of an operating system?
2. Why do we need operating system?
3. Explain the types of computer memory.
4. Explain Monolithic Architecture of operating system.
5. What is system call? Explain its types.
6. Write a note on layered Architecture of operating system.
7. Write a note on Microkernel Systems.
8. Explain Client/Server architecture of operating system.
9. What is the difference between timesharing and multiprogramming systems?
10. What is the difference between kernel and user mode? Explain how having two distinct modes aids in designing an operating system.
11. What is trap instruction? Explain its use in operating system.
12. Explain virtual memory architecture of operating system with diagram.
13. Explain benefits and drawbacks of the exokernel operating system.
14. Explain any two types of operating system.
15. What is protection hardware? Explain it.
16. Write a note on operating system revolution.