

II B.Tech II Sem CSE Operating Systems- Unit- I- Questions- A.Sanjeevaraju

1. Define Operating Systems and discuss its role from different perspectives.
2. List and explain the major activities of an operating system with regard to file management.
3. List and Explain the Components of Operating systems in detail.
4. Explain the Evaluation of Operating systems in brief.
5. List out the types of operating system and explain batch OS and time sharing OS in brief.
6. Discuss the Objectives and Functions of an operating system in detail.
7. Define user mode and kernel mode. Why two modes are required?
8. What are the 3 main purposes of an Operating System?
9. List out different services of Operating Systems and explain each service.
10. What is an Operating System? Explain considering different possible views.
11. Write short notes on simple batch systems.
12. Distinguish among following terminologies
 - i) Multiprogramming systems
 - ii) Multitasking Systems
 - iii) Multiprocessor systems.
13. Differentiate among the following types of OS by defining their essential properties
 - i) Time sharing system
 - ii) Distributed system
14. Describe differences between symmetric and asymmetric multiprocessing. What are three advantages and one disadvantage of multiprocessor systems?
15. What is distributed operating system? What are the advantages of distributed operating system?
16. What is the difference is between loosely coupled and tightly coupled system?
17. Define spooling and the need for it. Explain its working with necessary diagrams
18. Justify the statement “Operating System can be viewed as a government, resource allocator and a control program”.
19. Mention the objectives and functions of Real-Time Embedded systems.
20. Distinguish between client-server and peer-to-peer models of distributed systems
21. What is a System call? List and explain the different types of System calls of operating systems with examples?
22. Write and explain the sequence of system calls for copying a file to another (new) file.