OSY-Practice Questions

1. Define Real Time Operating System. List any four applications of it.
2. List any four services provided by the Operating System.
3. State and describe any two advantages of a Multiprocessor System.
4. Define a Time-Sharing Operating System. List any two advantages of it.
5. State and describe two advantages of Multi-programmed System.
6. Compare the Command Line Interface and Graphical User Interface.(Any four points)
7. Enlist types of Operating Systems. Explain Multiprogramming OS in detail.
8. Enlist types of Operating System. Explain Multiprocessor OS in detail.
9. Differentiate between Real Time and Time Sharing OS (any four points)
10. Differentiate between Multiprogramming and Multitasking OS (any four points)
11. Explain any four file related system calls and process related system calls
12. Explain Memory Management Components of OS with its activities.
13. List and explain the Different Services of an Operating System.
14. Explain the Distributed Operating System in detail.
15. Describe Real Time System? Explain its types.
16. Define: Process, PCB.
17. List of any four System Calls provided by the Operating System.
18. Explain types of schedulers.
19. Give command with syntax to perform following tasks: i) To create process ii) To terminate a process
20. Differentiate between program and process (any two points)
21. Describe various activities performed by the following Operating System components. i) Main Memory Management ii) File Management
22. Draw and explain the Process State Diagram
23. Draw a Process Control Block and explain the information in the Process Control Block
24. Explain the shared memory model of Inter-process communication (IPC) with a suitable diagram
25. Explain the Message Passing of IPC with suitable diagram
26. Define term: i) Scheduler ii) Context switch
27. Give a command with syntax to perform the following tasks: i)To add delay in the script ii) To terminate a process
28. Draw a Process Control Block and explain the information in PCB
29. Explain ps command with any four options
30. Explain any four process related commands with syntax