Operating systems

Unit-1 Questions

1. What do you mean operating system? Explain features of it. CO1 L1
2. Explain the responsibilities of operating systems. CO1 L2
3. Explain types of operating systems CO1 L2
   1. Batch os.
   2. Multiprogramming os.
4. Explain types of operating systems CO1 L2
   1. Multi-tasking os.
   2. Real-time os.
5. Explain operating system services. CO1 L2
6. Explain Multi processing and distributed operating systems. CO1 L2
7. Describe dual-mode operation. CO1 L2
8. Explain the functions of operating systems. CO1 L2
9. Define system calls and explain types of system calls. CO1 L1
10. What is the role of operating systems? CO1 L1

Unit-2 Questions

1) Define the process and explain the process in memory,process control block. CO2 L1

2) Explain the process states with a diagram. CO2 L1

3) What are process scheduling queues and types of schedulers with representation. CO2 L1

4) Describe the operations on processes. CO2 L2

5) Explain the concept of interprocess communication and its models.

CO2 L2

6) Explain producer-consumer problem. CO2 L2

7) Explain types of message passing methods in IPC. CO2 L2

8) Define threads and Illustrate FCFS and SJF scheduling algorithms. CO2 L1

9) what are the criteria needed for scheduling and explain Round robin and priority scheduling algorithms CO2 L1

10) what are the criteria needed for scheduling and explain SJF and Round robin scheduling algorithms. CO2 L1

Unit-3 Questions

1) Explain process synchronization. CO3 L2

2) Why race condition occurs. CO3 L1

3) Explain about concurrency in processes. CO3 L2

4) Explain issue with cooperating processes. CO3 L2

5) What is the concurrency in producer-consumer problem. CO3 L1

6) Explain about issue with concurrent processes. CO3 L2

7) Explain how processes communicate in synchronization. CO3 L2