Exam Answers

Question 1 : What is an Operating System (OS)? Explain its primary functions.

Answer : operating system is an interface between computers, users, hardware and software resources.

Question 2 : Describe the difference between a process and a thread. How does thread management improve system performance?

Answer : process is a program that can execute in cpu and thread is a segment of the process. so each process can have multiple threads.

Question 4 : What is virtual memory? How does it work, and what are its advantages and disadvantages?

Answer : a deadlock is a problem commonly arise in operating system when two or more processes can run concurrently.

Question 5 : Explain the concept of deadlock in operating systems. What are the necessary conditions for a deadlock to occur, and how can deadlocks be prevented or resolved?

Answer : types of scheduling algorithms and operating systems are first come, first serve and priority scheduling algorithms.