Exam Answers

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

Answer : an operating system is an interface between the computer, hardware, software and user.

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

Answer : your process is your program that can move from schedule time to the cpu for execution. on the other hand, predicts a segment of the process where each process can have multiple threads.

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

Answer : deadlock is a basic problem in operating system. that means two or more processes can execute at same time concurrently. so each process must have to be very.

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 first come first serve and priority scheduling.

Question 6 : What are the various scheduling algorithms used in operating systems? Compare and contrast between at least two scheduling algorithms.

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Question 7 : Define and explain the concept of file systems. What are the different types of file systems commonly used, and how do they manage data on storage devices?

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