

# Exam Answers

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

Answer :

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

Answer : thread is a lightweight process, but process. heavyweight process and with thread we can. we can have parallelism. we can achieve parallelism.

Question 3 : What is virtual memory? How does it work, and what are its advantages and disadvantages?

Answer : virtual memory is an extension of. memory which is a part of secondary memory. so we create a illusion that we have a larger main memory. the advantages are we can have paging mechanism and maintain a secondary memory cache. and the disadvantage should be since the main memory is extended the latency would be higher.