## Os Exam Questions with youtube Links

10 Write a short note on Single contiguous memory management. 121 Memory Management javatpoint <u>Youtube_link</u>
1. Explain Process Control Block (PCB). <u>Youtube_link</u>
1. Explain Sub modules of DD. <u>Youtube_link</u>
1. Write a note on booting. Youtube_link
1. Write a short note on Evolution of Operating Systems. Youtube_link
1. Write short notes on Magnetic disks. <u>Youtube_link</u>
1. Write Solutions to the Producer-Consumer Problems. <a href="Youtube_link">Youtube_link</a>
2. Explain Exokernel Operating system <u>Youtube_link</u>
2 Explain functions of Memory Management Unit. 121 <u>Youtube_link</u>
2. Explain Linked List Allocation with its advantages and disadvantages. <u>Youtube_link</u>
2. Explain multiprogramming operating systems. <u>Youtube_link</u>
2. Explain process Scheduling philosophies. <a href="Youtube_link">Youtube_link</a>
2. Write short note on Mutual Exclusion. Youtube_link
2. Write short note on Terminal I/O. Youtube_link
3. Short note on Batch Operating System. <u>Youtube_link</u>
3. State and explain various types of information which are stored in a directory. $\underline{\text{Youtube\_link}}$
3. What is System Calls, explain Types of System Calls. <a href="Youtube_link">Youtube_link</a>
3. Write a short note on Multithreading. <u>Youtube_link</u>
3. Write difference between Polling vs Interrupts I/O. <a href="Youtube_link">Youtube_link</a>
3. Write short note on Race condition. <a href="Youtube_link">Youtube_link</a>
4. Define File Management in OS. <u>Youtube_link</u>
4. Explain Coffman Conditions. Youtube_link
4. Write a note on Peterson algorithm. Youtube_link
5. Write a short note on process management in os. <a href="Youtube_link">Youtube_link</a>
6. Difference between Microkernel and Monolithic Kernel <u>Youtube_link</u>
7. Write a short note on Direct Memory Access. <u>Youtube_link</u>
8. List and Explain any-5 File system operations. <a href="Youtube_link">Youtube_link</a>
Contigious and Non-contigious allocation method 126 Difference between Contiguous and Noncontiguous Memory Allocation - GeeksforGeeks <u>Youtube link</u>
Contiguous Memory and chained ( linked lists) 121 File Allocation Methods - GeeksforGeeks  Youtube link

Deadlocks , preventions , how to avoid , recovery 110 <u>Youtube_link</u>
Describe how to implement a lock using semaphores. Youtube link
Device Driver , Device Handler: 58,60 <u>Youtube_link</u>
Different Services of the Operating Systems 15 What are operating system services? Youtube_link
Explain Computer Architecture with suitable Diagram. Youtube_link
Explain importance of virtual memory management system. Youtube_link
Explain in brief process lifecycle. Youtube_link
Explain Interrupt service routine with diagram. Youtube_link
Explain mutual exclusion in IPC. <u>Youtube_link</u>
Explain operating system structure. Youtube_link
Explain segmentation with suitable diagrams. Youtube_link
Explain the term memory swapping. Youtube_link
Explain various process states. Youtube_link
I/O Procedure: 59 <u>Youtube_link</u>
List different page replacement algorithms with exxamples <a href="Youtube_link">Youtube_link</a>
Monolithic (Simple) Operating System 18 Monolithic Structure of Operating System - javatpoint
Youtube_link
Mutual Exclusion in IPC Mutual Exclusion in Synchronization - GeeksforGeeks <u>Youtube_link</u>
Peterson algorithm 67 <u>Youtube_link</u>
Procucer Consumer problem 62 <u>Youtube_link</u>
Race condition with examples 64 Race Condition in OS - Scaler Topics <u>Youtube_link</u>
recovery-from-deadlock-in-operating-system/ Recovery from Deadlock in Operating System - GeeksforGeeks <u>Youtube_link</u>
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types of scheduling CSC 553 Operating Systems - Lecture 9 - Uniprocessor Scheduling <a href="Youtube_link">Youtube_link</a>
Under what circumstances do page fault occur? Describe the action taken by operating <a href="Youtube_link">Youtube_link</a>
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What is dead lock? What are the dead lock detection methods? Youtube link

What is difference between logical end physical addresses? Youtube_link
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Write a note on Peterson's Algorithm. Youtube_link
Write a short note on Evolution of Operating System. Youtube_link
Write a short note on history of operating sysqem. Youtube link
Write note on Multitasking. Youtube_link
Write note on process scheduling techniques. Youtube link
Write short note on: i) Swapping ii) Protection and Sharing Youtube link