Operating System	
SOURCE: 01	**Operating System (GATE EXAM)**
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02	Introduction to Operating System and Its Functions
03	Batch Operating System | Types of Operating System
04	Multiprogramming and Multitasking Operating System
05	Types of OS (Real Time, Distributed, Clustered and Embedded)
06	Process States in Operating System
07	Important Linux Commands
08	System Calls in Operating System and Its Types
09	Fork System Call with Example
10	Fork System Call with Explanation
11	User Mode and Kernel Mode in Operating System
12	Process vs Threads in Operating System
13	User Level vs Kernle Level Thread in Operating System
14	Process Scheduling Algorithms (Preemption vs Non-Preemption) | CPU Scheduling
15	What is Arrival, Burst, Completion, Turnaround, Waiting and Response Time in CPU
16	First Come First Serve (FCFS) CPU Scheduling Algorithm with Example
17	Shortest Job First (SJF) Scheduling Algorithm with Example
18	Shortest Remaining Time First (SJF with Preemption) Scheduling Algorithm
19	Shortest Job First (SJF with Preemption) Scheduling Algorithm
20	Round Robin (RR) CPU Scheduling Algorithm with Example
21	Pre-emptive Priority Scheduling Algorithm with Example
22	Example of Mix Burst Time (CPU and I/O both) in CPU Scheduling
23	Multi-Level Queue Scheduling
24	Multilevel Feedback Queue Scheduling
25	Process Synchronization Process Types | Race Condition
26	Producer Consumer Problem | Process Synchronization Problem
27	Printer-Spooler Problem | Process Synchronization Problem
28	Critical Section Problem | Mutual Exclusion, Progress and Bounded Waiting
29	LOCK Variable in OS | Process Synchronization
30	Test and Set Instruction in OS | Process Synchronization
31	Tum Variable | Strict Alteration Method | Process Synchronization
32	Semaphores | Wait, Signal Operation | Counting Semaphore Examples
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34	Practice Question on Binary Semaphore
35	Solution of Producer Consumer Problem Using Semaphore
36	Solution of Readers-Writers Problem Using Binary Semaphore
37	Dining Philosophers Problem and Solution Using Semaphore
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40	Multi-Instance Resource Allocation Graph with Example
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45	GATE Question Explanation
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52	GATE Question Solved on First Fit, Best Fit and Worst Fit Memory Allocation with Timeline
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59	Inverted Paging | Memory Management

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66	Numerical On Translation Lookaside Buffer (TLB)
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