

Question Number	Question Statement	Ans
1	The kernel of a multiprogramming system classifies a program as CPU-bound or I/O-bound and assigns appropriate priority to it...	Tushar
2	Given that the monitor construct protects critical section by allowing one process at a time, why you require...	Pavani
3	How "RAID Level 3" and "RAID Level 4" improve reliability and disk throughput ? What are the advantages of each option?	Kannav
4	Consider three sets of users, professor, TA and student. There exists a folder marks to which only professor can write into and student and TA can only read from...	Kannav
5	What file allocation method (Contiguous/Linked/Indexed) would you choose to maximize efficiency in...	Pratyush
6	Explain the tradeoffs between "Go-Back-N" Sliding Window Protocol and "Selective Repeat" Sliding Window Protocol.	Pratyush / Triansh
7	Explain the difference between "Pure ALOHA" and "Slotted ALOHA" in terms of implementation? What is the reason for improved performance of "Slotted ALOHA" over "Pure ALOHA"?	Triansh
8	Explain the reason why transport protocols use larger size sliding windows as compared to the size of the size of sliding windows of data link layer?	Tushar
9	Consider the following network. Distance vector routing is used and the following vectors have just come in to router C; from B: (5,0,8,1,6,2); from ...	Mehul
10	Looking at the following network, how many packets are generated by a broadcast from B using (a) reverse path forwarding (b) the sink tree? Which is favored for the implementation and why?	Pavani
11	A computer has a cache, main memory, and a disk used for virtual memory...	Mayank
12	.Consider the following ways of handling deadlock: (1) banker's algorithm (2) deadlock detect and kill thread, releasing all resources ...	Anmol
13	An old bridge on a busy highway is too narrow to permit two-way traffic, so one-way traffic is to be implemented on ...	Shrey