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SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Outline Virtualization concept in operating system.	K2	CO1
	(OR)			
	11.b.	Explain how System Calls are used in operating system.		
2	12.a.	Identify Multithreading Models between user and kernel threads.	K3	CO2
	(OR)			
	12.b.	Analyze Scheduling Criteria for comparing CPU-scheduling.		
3	13.a.	Organize the Critical-Section Problem and list out some solution to the critical-section problem	K3	CO3
	(OR)			
	13.b.	Apply how deadlock prevention works by breaking at least one necessary condition.		
4	14.a.	Analyze how external fragmentation occurs in continuous allocation	K4	CO4
	(OR)			
	14.b.	Examine the role of page fault in demand paging with an example		
5	15.a.	Compare SCAN and C-SCAN in terms of fairness and performance.	K4	CO5
	(OR)			
	15.b.	Analyze about File System Structure used in operating system.		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Analyze how operating system performs Resource Management with example.	K4	CO1
2	17	Classify different types of Scheduling Algorithms in operating system.	K4	CO2
3	18	List out the operations performed by Semaphores with example.	K4	CO3
4	19	Examine about Paging and how Paging avoids external fragmentation?	K4	CO4
5	20	Distinguish Allocation Methods in file systems.	K4	CO5

Z-Z-Z

END