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		316_Quiz_RealTimeScheduling Jestions	DA	ATE :
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	1.	Rate monotonic scheduling is		
	Α	A type of memory management technique	В	A type of file system
	С	A type of network protocol	D	A scheduling algorithm used in real-time operating systems
	2.	In rate monotonic scheduling the priority	of the	tasks
	Α	depends on the task's complexity	В	is directly proportional to their periods
	С	is not related to their periods	D	is inversely proportional to their periods
	3.	In early deadline first scheduling the prio	rity of	the tasks
	Α	is not affected by the absolute deadline of the tasks	В	is randomly assigned regardless of the absolute deadline of the tasks
		is inversely proportional to the absolute deadline of the tasks	D	is directly proportional to the absolute deadline of the tasks
	4.	Consider a set of three real-time tasks: Task A, Task B, and Task C. Each task has a specific execution time and deadline as follows: Task A: Execution Time = 4 time units, Deadline = 10 time units Task B: Execution Time = 3 time units, Deadline = 7 time units Task C: Execution Time = 5 time units, Deadline = 15 time units Assuming that the system starts at time 0, use the Early Deadline First (EDF) scheduling algorithm to determine the order in which these tasks will be executed.		
	Λ	Task B, Task A, Task C	В	Task C, Task A, Task B
	С	Task B, Task C, Task A	D	Task A, Task B, Task C

5.	Consider a set of four real-time tasks: Task A, Task B, Task C, and Task D. Each task has a specific period and execution time as follows: Task A: Period = 10 time units, Execution Time = 3 time units Task B: Period = 15 time units, Execution Time = 4 time units Task C: Period = 20 time units, Execution Time = 2 time units Task D: Period = 25 time units, Execution Time = 5 time units Determine whether these tasks are schedulable using the Rate Monotonic Scheduling (RMS) algorithm. If not then which task will miss the deadline.						
A	No, not all tasks are schedulable using the RMS algorithm. Task D will miss it's deadline.	В	Only Task A and Task B are schedulable using the RMS algorithm.				
С	No, not all tasks are schedulable using the RMS algorithm. Task C will miss it's deadline.	D	No, not all tasks are schedulable using the RMS algorithm. Task A will miss it's deadline.				
6.	Which is not the property of multi-level feedback queue scheduling?						
Α	It allows priority	В	It allows preemption				
	It allows starvation	D	It allows aging				
7.	Which are the properties of Multi-level feedback queue scheduling.						
A	It prevents starvation by aging processes	SB	It uses different scheduling algorithms for different queues				
	It allows processes to move between queues	D	It reduces CPU utilization				
Answer Key							
1. d	2. d	3. c	4. a				
5. a	6. c	7. c,	b, a				