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(2x10)	210	210				Short Answer Typ	210	Q1	
			•		•	What is Dispatcher	a)		
						What is Dispatcher Enlist the reasons	b) c)		
			01101011.			What is starvation	d)		
;k	d in a deadloc	ust be utilized	on-algorithm n	ther a det	mine whe	Which factors dete	e)		
						avoidance system?			
210	210	210	210	an he sol	nrohlem ¹	What Is Spooling? How critical section	f) ² g)		
			i.			When Does Thrash	9) h)		
					on?	What Is Root Partit	i)		
е	ndition variable	nal and a cor	aphore wait si	etween a s	e there be	What differences a wait signal?	j)		
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(6x8)	of TWELVE)		(Answer An	e Questic		Focused-Short Ar		Q2	
210		r calls.				Define a system ca	² a)		
						Explain the structure What is the Proces	b)		
ν	total memor	find out the				If the address bit	c) d)		
,						capacity. What are	,		
	ss scheduling.	used in proce	ss schedulers	•	• .	Define context swit	e)		
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210	ons, onset her					Consider Logical A contains 13 bits. Fi	g)		
n	-set model car					What is thrashing?	h)		
		_				prevent thrashing?			
						Explain paging te	i)		
D	o. Assullie i Li	O IIS WILLI ILE	HOUL ILD IO 14	: 01 200 118		effective memory a access time is 25 r			
			ly.	d explain		Design the RAID st	j)		
210	010	010	hanism.	and IPC	g method	Explain cycle steali	k)		
210			gement.	space m	ds for free	What are the method	~ I)		

0	Q3 ₂₁₀	Part-III Long Answer Type Questions (Answer Any TWO out of FOUR) Enlist the different criterias of CPU scheduling. Consider the set of processes are P0, P1, P2, P3, P4, P5 with arrival time(sec.) 5,6,4,0,9 with burst time(sec.) 5,10,2,6,5. Calculate the waiting time and turn around time of each process & average waiting time.										
	Q4	What are the necessary conditions for arising deadlocks? How can you avoid and recover from deadlocks?										
0	Q5 210	Describe the method of Demand Paging. Explain the page replacement algorithms - FIFO, LRU, and Optimal. Suppose main memory has 3 frames & page nos which are going to be referenced are 1,1,3,2,2,2,4,9,9,6,3,2,2,7,6,6,3,3. Find out total page fault and page hit using each algorithm.										
0	Q6 210	What are the factors that Required blocks which a 98,183,37,122,14,124,65 head movements using 6	re going to be ac 5,67. Disk head i	cessed from a di	isk drive are on t		210					
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