48-p3-d-upq-SH KL12 B

De Sult - O.S.

Con. 7880-12.

(d) Monitors.

KR-7589

				KR-758	39
			(3 Hours)	[Total Marks : 10)
N.B	. : (1 (2) Question No. 1 is com 2) Attempt any four ques	i pulsory . stions from remaini	ing six questions.	
1.		-,		pjective and Functions of Operatir	ng 10
	(c)	Differentiate between M Explain effect of page s	onolithic and Micro ize on performanc	okernel. e.	5 5
2.	(a) (b)	Explain Process Control Explain difference between process model.	Block (PCB) and een Process and T	its role. hread. Draw and explain five stat	10 e 10
3.			alikeis ainoritom.	and sufficient conditions to occurrence for deadlock avoidance.	r 10
	(b)	Explain architecture of V	Vindow 2000.	a same and arrowallion.	10
		444,000.		al address is converted to physica	
	(b)	Consider the following se	et of processes wi	th CPU burst time given in table	10
		Process	Burst Time	Arrival Time	
		P ₁	Burst Time 10	Arrival Time	
		P ₁ P ₂	10 04		
		P ₁ P ₂ P ₃	10 04 05	01	
	-	P ₁ P ₂	10 04	01 02	
-		P ₁ P ₂ P ₃ P ₄ (i) Draw Gantt chart for (ii) Calculate average v	10 04 05 03 or FCFS, SJF, and waiting time and a	01 02 03	
5. (a) [P ₁ P ₂ P ₃ P ₄ (i) Draw Gantt chart for (ii) Calculate average value (iii) Explain File allocation medical culate hit and miss us	10 04 05 03 or FCFS, SJF, and waiting time and a ethods in detail. sing LRU, FIFO a e frame sequence	01 02 03 04 Bound Robin (Quantum 02)	10
6. (4	a) E b) C n	P ₁ P ₂ P ₃ P ₄ (i) Draw Gantt chart for (ii) Calculate average value in the control of the	10 04 05 03 or FCFS, SJF, and waiting time and a ethods in detail. sing LRU, FIFO a e frame sequence 4, 5, 3, 4, 7	01 02 03 04 Round Robin (Quantum = 03). verage turn around time. nd OPTIMAL Page replacements; Page frame size is 3:—	