AM-235

B.C.A Part – II Semester – III Examination ADVANCED OPERATING SYSTEM – 3ST4

	AD	VANCEL	OPERATING SYSTEM - 3814			
Tim	e—Th	ree Hour	s] [Maximum Marks—	60		
	N.B.	: (1)	ALL questions are compulsory.			
		(2)	Assume suitable data wherever necessa	ry.		
1.	(a)	What is process management? Explain its terms,				
		suspend	and reserve.	6		
	(b)	Differen	tiate process state transition and proce	ess		
		control b	lock.	6		
			OR			
2.	(a)	Explain i	n detail parallel processing.	6		
	(b)	Explain f	following terms:			
		(i) Par	end			
		(ii) Pete	erson's algorithm			
		(iii) Cor	ncurrent programming.	6		
3.	(a)	Differen	tiate Semaphores P and Semaphores V.	. 6		
	(b)	State and	d explain Dekkers algorithm.	6		
			OR			

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4.	(a)	Describe with suitable example of message par	ssing.	9.		What criteria are to be used for Demand paging?	
	(b)	What is recovery? Give the example of dead detection.	dlock 6		(b)	Explain storage management in detail. 6 OR	
5.	(a)	What is control structure for indicating parallel	ism ? 6	10.	(a)	Differentiate single contiguous storage allocation and non-contiguous storage allocation.	
	(b)	Write an algorithm for Banker's and explain dearecovery.	dlock 6		(b)	Explain storage hierarchy. Give the criteria of scheduling.	
		OR					
6.	(a)	What is fragmentation? Why is it needed to fragmemory?	gment 6				
	(b)	Explain how deadlock can prevented.	6				
7.	(a)	Explain the term segmentation in detail.	6				
	(b)	What is virtual storage space ? Explain page	fault. 6				
		OR					
8.	(a)	Explain the term JOB scheduling and proc scheduling.	essor 6				
	(b)	Explain the following terms:					
		(i) Round Robin					
		(ii) Page replacement strategies.	6				
UZI	R—467	2 (C	ontd.)	UZF	R467	753 3 1050	