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Ro	ll No.	Total Pag	es : 03
		BCA/M-17 1	914
		OPERATING SYSTEM-II	
		BCA-362	
Tin	ne : Tl	hree Hours] [Maximum Marl	ks : 80
No	í	Attempt Five questions in all, selecting one quaron each Unit. Q. No. 1 is compulsory. All que carry equal marks.	
		(Compulsory Question)	
1.	(a)	Describe Critical Section.	4
	(b)	What are the advantages of distributed system	ns ? 3
	(c)	Explain the concept of pipe using example.	4
	(d)	Describe file attributes in linux.	2
	(e)	Explain various modes of Vi.	3
		Unit I	
2.	(a)	Write a note on Semaphore Implementation.	7
	(b)	Explain the following classical problem	ns of
		synchronization:	
		(i) Bounded buffer problem	3
		(ii) The readers and writers problem	3
		(iii) The Dining philosophers problem.	3
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3.	(a) (b)	What do you mean by Critical Regions Conditional Critical Regions? What are limitations. Explain various methods for Recovery of lost stored on the harddisk.	its 8
		Unit II	
4.	(a)	Explain the following disk scheduling algorithm by using example:	thms
			3
		(i) SSTF Scheduling (ii) C-Scan Scheduling	3
		(iii) Look Scheduling.	3
	(%)	Write short notes on the following:	
	(b)	(r) Remote login	3
		(ii) Remote file Transfer.	4
5.		Explain Swap-space management in detail.	8
	(b)	the state of the s	4
		(i) Data Migration (ii) Computation Migration.	4
		Unit III	
6	6. (a)	Explain various features of Linux.	4
`	, (a) (b)	by Linux distribution ?	Explain
	(O	any six linux distribution.	6
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	(c)	Explain the following commands in Linux: 61  (i) date  (ii) who  (iii) bc.
7.	(a)	Explain with example at least six communication-
		oriented commands. 8
	(b)	Explain the following commands in Linux: 8  (i) Ps  (ii) Cd  (iii) Vdir  (iv) Cat.
	٠	Unit IV
8.	(a)	Describe the structure of file system in Linux. Also
		explain file system types in Linux. 6
	(b)	Explain different disk related commands in Linux.
9.	(a)	Explain the syntax of while, until and for loops.8
	(b)	Write a program to check whether a given number
		is prime number or not.

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