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Total Pages: 03

BCA/M-22

1885

OPERATING SYSTEM-II BCA-362

Time: Three Hours] . [Maximum Marks: 80

Note: Q. No. 1 is compulsory. In addition to that, attempt four more questions, selecting one question from each Unit. All questions carry equal marks.

(Compulsory Question)

- 1. (a) What is critical section? What are the requirements for critical section solution?
 - (b) Discuss Remote File Transfer.
- (c) How can the ownerships of files be viewed and changed in Linux? Discuss using examples.
 - (d) Write a note on different modes of vi editor. How do we delete text in vi editor?

Unit I

- 2. Discuss various classical problems of synchronization.

 How semaphores can be used for the solution of these problems?
- 3. What do you understand by directory system? Explain various directory structures in detail.

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Unit II

The same of h	The first [1] I want to the control of the control	
4. (a)	What is swap space management? Also discuss the	;
3381	following: SSANAOS 10)
	(i) Swap space use (II (A II V))	
	(ii) Swap space location.	
(9) (9)	Discuss SCAN and C-SCAN disk scheduling algorithms using examples.	
5. Discu	uss the following w.r.t. distributed operating	3
system	m : proup who gainefor parties to broke this 10	5
(i)	Data Migration 5 grass and seep p. HA Lindy.	
(ii)	Process Migration.	
	per with a received with the William are the required	
6. (a)	Discuss the purpose and general format of process	S
0. (a)		8
(b)	Explain the following file handling commands using	
	200	8
	(b) / we share resultib no seek a little (b)	
	(ii) split water is at the state of the	
4		
x . *	(iii) comm	
miner	(iv) cmp.	
7. (a)	Explain the Linux commands that are used for	
03	difficulties operations	6
(b)	Discuss the architecture and distributions of Linux	
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Unit IV

8.	(a)	Explain the process of starting/shutting down and
		logging in/out in Linux operating system. 8
	(b)	Discuss various job control commands in Linux
		using examples.
9.	(a)	What is a shell script ? Explain the two types of
		shell variables.
	(b)	Write a shell script to reverse a string entered by
		the keyboard and remove the blank spaces between
		the words, if any.
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		. The Day't Large Acres of Ly S