Bachelo		eation (BCA) 5th Semester
	OPERATING	
	Paper-	-111
Time A	llowed3 Hours]	[Maximum Marks-75
Note :-	-Attempt any FIVE que equal marks.	estions. All questions carry
i. Ho	w an operating system is	used as resource manager?
Dis	scuss the features of	le distributed systems and
tim	ne sharing systems.	15
2. (a)	Discuss the concept of	different states of process
		7%
(b)	Compare FCFS an	d Round robin process
	scheduling technique	_
3. W	hat is meant by process	synchronization? How it
is	carried out? Explain th	ne role of semaphores and
cri	tical section for synchro	onization. 15
4. Co	mpare the following te	chniques :—
(a)	Demand Paging and	Segmentation 7½
(b)	LFU and Optimal page	ge replacement Algorithm
		71/2
5. Wh	nat is the concept of vir	tual memory? Discuss the
ben	nefits of virtual memory	and use of thrashing. 15

Exam. Code

Subject Code:

: 107205

1805

7.	(a)	lain. How recovery from deadlock situation is	15 s carried
	(4)	out ? Explain.	5
	(b)	Discuss the methods for the following	.
		(i) Deadlock Detection	5
		(ii) Deadlock Prevention.	. 5
3.	Wri	te short notes on the following:	
	(a)	Scheduling criteria	71/2
	(b)	Disk Reliability	7⅓