PAPER-II

OPERATING SYSTEM ORGANIZATION

AND UNIX

1.	write the difference between the following:	
	(i) Batch processing and Real time processing.	7
7	(ii) Multi-programming and Multi-tasking.	6
7701	(iii) Single user & multiuser operating system.	7
2.	What is Client-server architecture for operating sys How is it different from the other operating sys structure? Write various advantages of client-served.	tem?
3.	What do you mean by CPU scheduling? Eplain any four CPU scheduling policies by giving suitable example. 20	
4.	Explain the following:	
	(i) Memory management techniques.	10
	(ii) Virtual memory.	10
5.	Explain various Page replacement algorithms.	20
6.	What is Direct Memory Access (DMA)? Also desorthe working of DMA.	cribe 20
7.	Explain the following disk scheduling algorithms:	
	(i) FCFS.	
	(ii) SSTF.	
	(iii) SCAN.	
	(iv) LOOK.	20
8.	Explain various File Access methods.	20
9.	Explain the term Authentication ? Discuss Biome	San
	techniques and Encryption.	20
10.	Explain Benstein condition and Race condition. Exp	No. of Participation of the Land
sto)	how to avoid race condition.	20