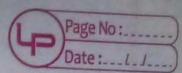
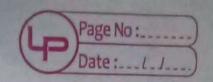
Enrollement: -91900151068 Assignment-2 P1:- Define following terms: Aug: - Seek time: - It is the time taken for a hard disk controller to locate specific piece of stored data. Pre-emptive Scheduling: Premaptive Scheduling is used when a process switches from ruming state to ready state or from writting state to ready state. Dispatcher: - Dispatcher is a module that give control of che to the process. Virus: - Virus is malicious software program loded into a user's compieter without the uses knowledge and program malicious action. Critical Section: - It is a segment or code-that acceses a strated resources.



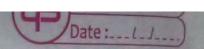
		Page No: Date:	
	Deadlock: - It is situation where a set of process are blocked because each process in holding a resources and waiting another suspurces.		
92°	Difference between prod	cess and threead.	
Sol'	Process	Thoread	
•	It is called neccessary weightage process.	· It is called light. weight process.	
1	It takes more time to terminate	· It takes less time to terminate.	
•	At uses interface in Os.	called a OS.	
-	At is isolated.	· It · Shares memory.	
-	It consumes more 300	of consumes less resources.	
9	Individual process are independent of each other	a process and hence	

		Page No:Date:
Ø3'-	Difference between int and external feagment	érnal feagmentation ation.
Ay'-	Internal Fragmentation	External Fragmentation.
	Frames Square measure designated for processing in internal flagmenta- tion of fixed-asize Storage.	· Variable-Size memory frame square measure degignated to the process during external fragme- plation.
	when the system or pro- cedure is grabter than the storage internal fragmentation occur.	· Whenever the system or procedure is withdrawn, external fragmentation occurs.
	The internal fragmentation approach is the frame with the perfect match	differentiation are alter natives to external fragmentation.
• 8	It happen whenever the so- storage is split into frag-	the storage is split into



	mentation of a fixed	o segments of variable size	
	mentation of a fixed length.	depending on the process	
	0	depending on the process length.	
	Harris Harris	THE RESERVE OF THE PROPERTY OF THE PARTY OF	
0	The distinction between	The empty spaces created	
	The assigned memory	among non-contiguous pie-	
	and the storage or	cos of storage are too ling	
		in for a new system to operates	
	sideresced as internal		
	fragmentation.	mentation.	
	Bar Sil blook can be us	sed Begmentation, paging can	
	to our come the proble	om. be used to overcome this	
	an overcome of p	problem.	
		Topic Dorger CA The Control	
04:-	Crive Live memory po	artitions of LOOKB, SOOKB,	
	Give five memory partitions of Looks, 500KB, 500KB, 200KB, 200KB and 600KB liverder), how would		
	The second of th		
	place the following process (in order)?		
19	212 KB, A17 KB, 112 KB, 426 KB.		
	at the of the state of		
		The second secon	

	O. 10.1
Ang	First-fit
	212KB Is put in SookB Blot
	417 KB is out in 600 KB 8lot.
4446	417 KB is put in 600 KB 8lot. 112 KB is put in 288 KB 8lot.
Tilla Yr	A26 KB must wait.
	THE BURELLE TO THE PERSON OF THE BURELLE TO THE PERSON OF
Strong	Best-fit.
100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Manufacture of the state of the
	212 KB is put in 300 KB slot.
	417KB is put in 500 KB 8lot.
Signary .	112KB is put in 200KB slot.
2001	426 KB is put in 600 KB slot.
	.0 0.1
	Noose-fit
	910 1 - 1 - 1 - Cooks 81-1.
100000000000000000000000000000000000000	212 KB is put in GOOKB 8lot.
	112 KB is put in 388 KB 8lot.
	426 KB must wait
	TABILIT WELLT
00:	Explain various strategiass to handle the dead
90.	lock?
	The state of the s



Aug! Deadlock ignovance! - It is most widely used approach among all moved mechanism. This is being used by many operating systems mainly end users.

Deadlock prevention: - It happen when meetual exclusion hold and wait, no premption and circulate wait holds simultaneously. If it is possible to violates one of the fow campbilion at any time. Then the deadlock can never occur in system.

Deadlock avoidance! - The operating System checks whether the system is in scope safe state on in unsafe state at every step which the operating system perforamation. The process continuous until the system is in safe state. Once the system moves to unsafe state, the os has to breaker any step.

Deadlock detection and Recovery: This approach let the process fall in deadlock and the procedically check weather deadlock accut in the system or now not of the accuracy it occur then it applies same of the accuracy nethods to the system to get soid of deadlock.