	Date :
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	Roll no: 0077  Branch: Computer Batch: T4  Subject: System Programming & operating Systems
•	Topic: Assignment 6 (Theory)
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are of the

	Date.
	Quastions:
1.	Enplaining Thrashing. How to eliminate thrashing.
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2.	Define Segmantation. Differentiate between Paging
	and Segmentation.
-	Answers:
1.	
$\rightarrow$	
	Thrushing occurs when a process doesn't have
	enough homes allocated to store the pages
	it uses repeatedly, the page fault rate will
	be very high.
	nose time how paging in / out than executing.  If the degree of multiprogramming is increased
	mose rime new paging in rout than executing.
	the acgree or multiprogramming is increased
	over a limit, process or utilization fulls down considerably because of thraishing.
	The selection of a replacement policy to implement
	vistual memory plants on mouthof act to the
	elimination of potential his thrushing.  Thrushing as solved by using washing set model  Le page fault frequency.
	- Thrushing & solved by using washing set model
	L page fault frequency.
	a. Working set model:
	We define the working set of
	information $\omega(t,z)$ of a process at time to be collection of information referenced by
	to be collection of information referenced by

the process during the process time interval (+-T,+)

	Date :
	Divide the process into two groups:  a. active.  b. passil inactive.
6	When a process is active its entire working set must always be in memory: never enecute a thread whose working set is not resident.  When the process becomes inactive, its working set con migrate to dish.
	b. Page fault hequency.  Page Fault Frequency is used to prevent thrashing.  Page hult rate & is controlled by using the method.
<b>©</b>	In the per-process replacement policy.  each process is allocated a fixed number of physical page frame.  Then manites the rate at which page faults are occurring for each process.
	In segmentation, a program's data and instructions are divided into blocks colled segments.
	A segment is a logical entity in a program.  Lagical view: A process ansists of a set of segments.



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Physical view: It comaists of non-adjacent areas of memory allocated to segments.

Segmentation suppost user view of memory.
Segmentation can be implemented with or without paging.

Coommitties	Paging	
Segmen Liting	Paging.	_
a Programs is divided	d. Program & divided	
a Programs is divided	Tolo fined size pages	
b. It is a slower process.	b. It is a faster process	
c. It is voible.	c. It 3 invisible.	
d. Segmonlation eliminates	d. Paging suffers hum	
d. Segmentation eliminates internal fragmentation.	internal bragmentation.	
	, 0	
e. Segmontation suffers	e. There is no enternal	
from enternal progmantation	hagmentation.	
J		
1. Os maintain a 13t of	f. as must maintein a	
how holes.	Free France 1st.	
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