60	1
DOE	11

	main memony = RAM.
	1-01 1 11 11 21 -21111 1 1 4
0-	Memory partioning
-7	
	Memory partioning is a concept of memory
	management technique divides the memory
P N	into several small parts called as partition
	The Diffrent Partitions may contain Same
	or different processess.
	To multiprogramming environments the
	memory is divided into various partitions and
	then diffrent points of Program are Stored
	In the memory.
	arranges arranges the diffrent
	processes in memory partition. It keeps
	track occupied process partition as well
4.00	asi free Partitions.
3 9 /	Diffrent Scheduling algorithm are used
	for input queue for deciding priority of the
1 1 1 1	processess. Which are in queue.
	processess. Which are more queue.
	· Diffrent technique used for memory partition.
4 11623 2 2 2	1 Timel 101 will themmy portitioning
1 10	1. Fixed Static Memory Partitioning. 2. Variable Dynamic Memory Partitioning.
	- mal amount service and consider trade
	1. Fixed Memory partioning:
100	De man a comment of the comment
1 9	Partitioning of Main memory of into sex
1-7	as Fixed partioning.
	as Fixed partioning.



Partitions	are	OF	Fixed	8120
			1.000	3177.

TF the Process is assign to memo which is less than size then rem Space can't be used.

Fixed	Dayleli
7-600	Partitions

49	Equal		Mark
_	(os)		Unequal
	8 M	st management of the	
- 1	8 M	sast of many they a	10 M
	8 M		6 7
·	8M		4 M
a	0 54		711

32 Mbyte Memon.

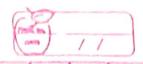
3em byte Memory.

O Equal Size Partition:

- · Here memony is divided into equal size partition. Any process whoese size is less than or equal Partition size can be load into avilable option
- · If all partition are in Full and No prole is in the ready state, the openating syst partitions and load in another process, So that there is some wong for the processor.

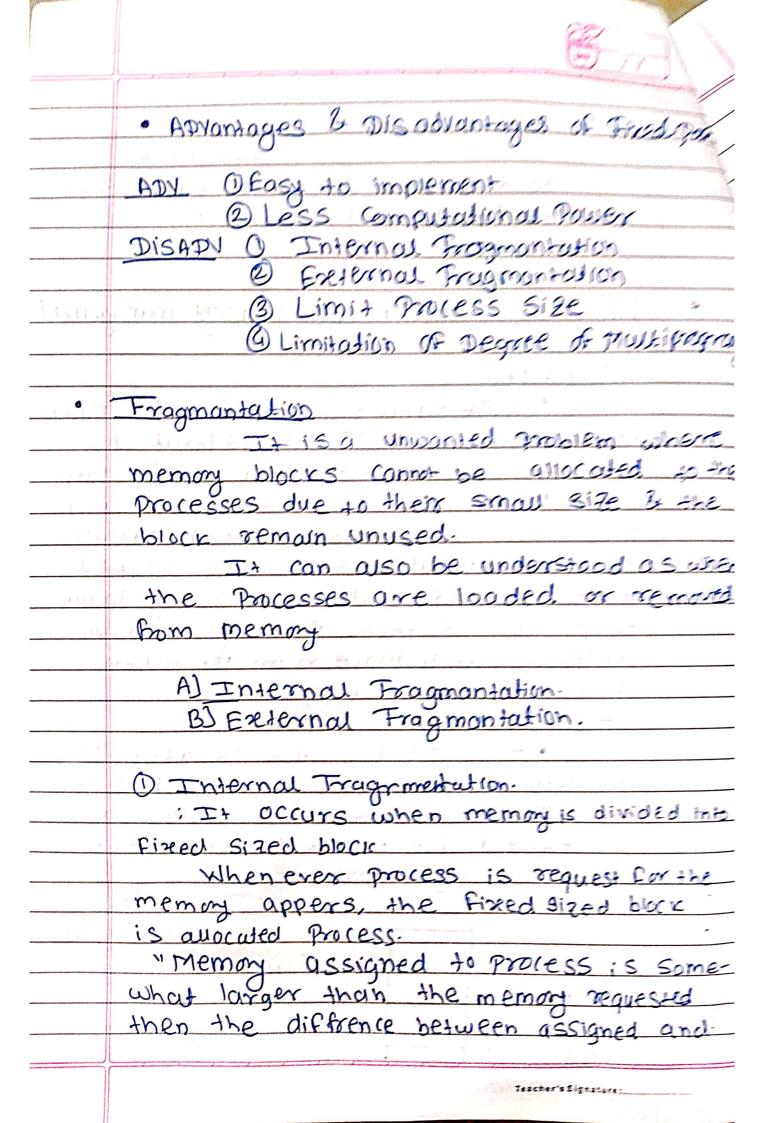
Problems:

1) For a Program of too big gize 2) For a module Needed is Not present.



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2. Un equal Bize Partition:
Both Problem faced by equal Size can be fixed by this approch.
can be fixed by this approchi
can be to the contract of the
THE PROPERTY OF THE PARTY OF TH
Placement Algorithm for Memory management
were the state of
OFor Equal
e ill equal Rize Dagatition, The process
1 Commence in 11 Pmom 15 mous.
1 1 1 A DO HADO
1120 a Call ST UN PUI TITLE
aire it does not matter which partition
:0 1009 20 Ull Dan 414101) dec oad
maracles that are not ready
1 - AND IT TO BE PROCESSED THUS
swapped out to make man for a new
Processes.
2 For Unequal in a constant
· Here each Process is assign to th
Smallest Partition & within which it will
Fit. In this case a scheduling queue
is needed for each partition to hold
Swapped out Paraition.
Paraldions.
New Process (
La hamila de maria de la comparta del comparta de la comparta del comparta de la comparta del la comparta de la comparta del la comparta de l



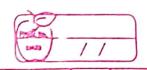


	Get //			
Pap				
35	· Left unused space is known as			
1	Internal Fragmentation.			
1	. This leftover space inside the			
	Cized Sized blocked Cannot be allocated			
1	to any process as it would be not			
1_	be sufficient to satisfy the request			
	of memory by the process.			
	05			
· 1	DI- 7M8 ///// 1			
1	P7 = 7 MB			
3	Internal Fragmont T			
	Coe and a coe and a lead of the coe and a le			
	(Explain with Example).			
	Carlo Light			
wit-	2 Ezeternal Fragmentation			
	- wastation accures when			
ALL C	· Freternal Fragmentation occurs when			
s)	What is a second company of space			
<i>d</i>	in the memory to Satisfy the memory			
mud .	Process 5 memory carmor			
+4"	be satisfied as the avilable memory			
	ic in han- conte civils manner.			
PC 719	e vilan Process is Created 1100 alea 00			
	removed from main memon the roce			
49× 15%	space coreates have in the memon these.			
-46 M.C.	are many holes in memory these holes			
147 -	ore known as External Fragmentation			
R	LOCA TO Edoing Mitchell 11 seamhwhati			
4 1	They was it is an it but surport			
THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NAMED IN THE OWNER, THE PERSON NAMED IN THE PERSON NAMED IN THE OWNER, THE PERSON NAMED IN THE PERSON NAMED I				

Fit as th
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Space left
CO7 memo-
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e is usedthe
o can't use"
nentation
MENTA OF

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		1000
	OS	
11	P1=3mB ////P1/// 4	MB
	T 1	
Was as Old	P2 = 2MP ///P2 ////	408
	1 2	
	PB=4MB /// P3/	40B
		in the second
P42	3MB ///89///	AWB
	1 1 1	1VIO
	Total	
	remaing = 1+2+1	= 4MB
	Space	21 . 119 3 - 3
	P5= 3MB -> Th	
		s Can't Fit asth
13 12	This is knot	n as External From
- 7	The Committee of the Committee of	1 as external m
Basa	Internal	Extend
Detu	Process is allocated	Marce 12 have so
1 4	to memory block of size	empty space left
	greater due to which	but we can't allow
11:1	Some space remains empty known as IF	Process COZ mema
occuran	when space is allowed and	is contigous
ce	Source Shalf lettung	CIS SPOCE IS USENT
Soln	USE as namic allacan	relegge so can't useit
it	In paging intern	In segmentation
exist	pragmetation.	Extern of Examer



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	Write short Note ON: Compaction				
	: matana philona ·				
7					
	use for: Overcome External Fragmantation				
	Defo: with which do survey				
- 1	The Process of Putting the used				
()	partitions at one end and creating one big free area at other end for the				
	new Processin round no				
	Goal: Shuffle Memory such that all free				
	Goal: Shupfle hemory such from the one lovel block				
, 101	memory comes together in one large block				
	Use: Help for solving Fragmantatin prb.				
. J Y	Diagram & Marie				
	-> Corea				
Cir	Free Compaction New				
	Tree 7 Process				
	Screen (E)				
	9aded herc-				
9	Problems with this:				
	Problem S. Mith 11112.				
	O only possible when program supports				
	Dynamic Reallocation				
	2) Time consuming				
•	5 Expensive				
•	@ Less effective Solution				
-					
Name of Persons					

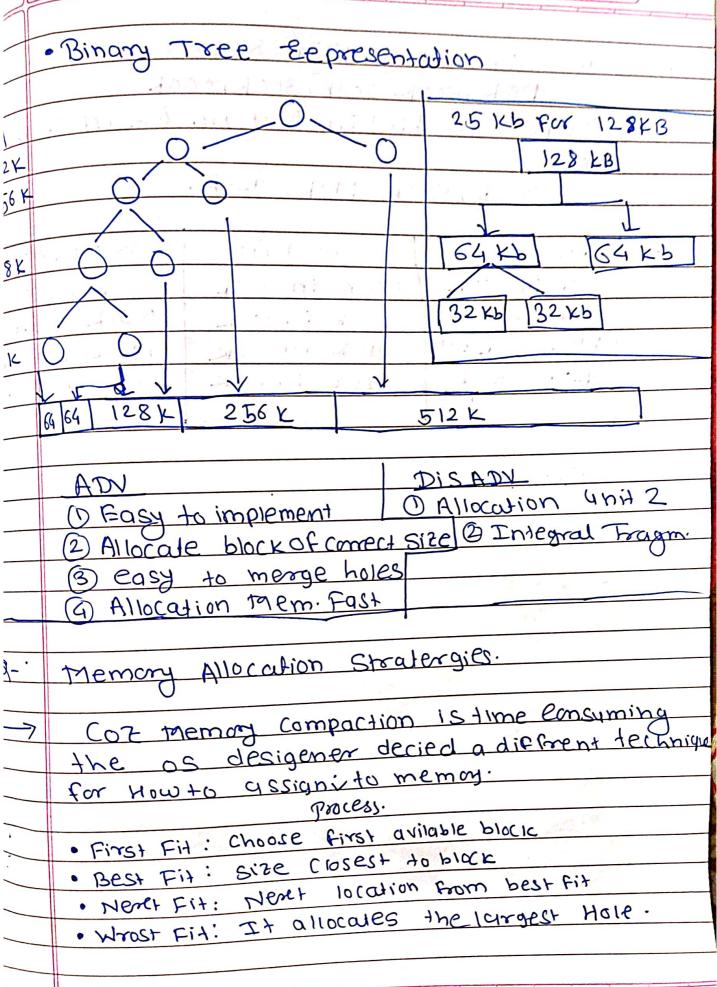


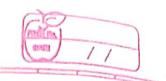
	anitugementian stati france stick
•	Buddy System:
- YOUTE	Static Partition Scheme Suffers from the Limitations of bassing the Finance and
12.45	limitations of having the Fixed of active
3000	Processess and the usage of space may
	also not be optimal to to cook may
	76 504 has whishe 5960 200 116
39-	Works on "Power of 21 Algorithm
1001/12	III. India in a second of 2 migorithm TIP: 20-1-CIS. <= 20: Allocate the whole block
	Divide the minutes of the whole block
	Divide the block & "Cheack everytime
	JICH O MCheack Everytime
	unallocated block and care
walt	to make one his climate record of the
PARKS	Sig Chunck
	TMB December the BME
Parth	TOWN TOWN
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	512 16 5,12 Kg . 1016
	255K 1 1256K 512 King 0
	anito vallos y line
	126K 126K 256 KILL on 512 K
	Car Contro control of the Carlo Carl
	(92 (92) 12 (12) 1256 10 VIDS1:512 VIDS

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Griven Memory Partition Size

100 K, 500 K, 200 K, 300 K, 600 K

Implement First Fit, Best Fit, & Wrolf Fit Algor.
For

300K, 530K, 190K, 425K.

9-

L			
	First Fit	Best Fit	Wrost Fit.
	300K in 500 K	300 K in 300 K	300 K 10 600 10
	530k in 600k,	630K in 600K	530 K wait
	190 in 500K (2nd)	190 K in 200K	190 K in 500 K
	425kin GOOK	4 esk insook	425 K wais