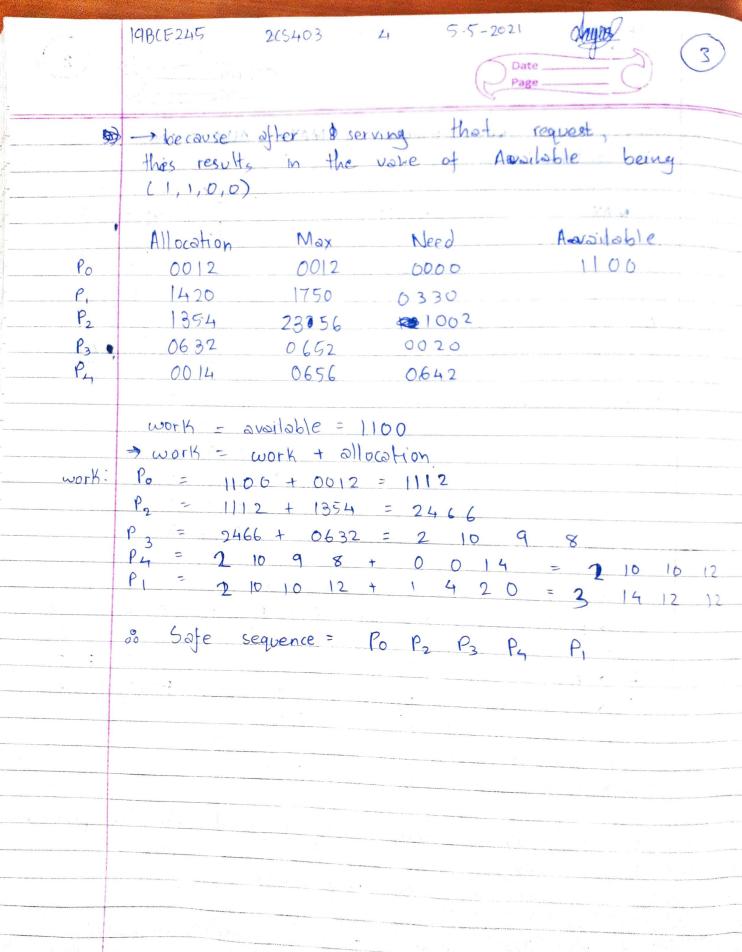
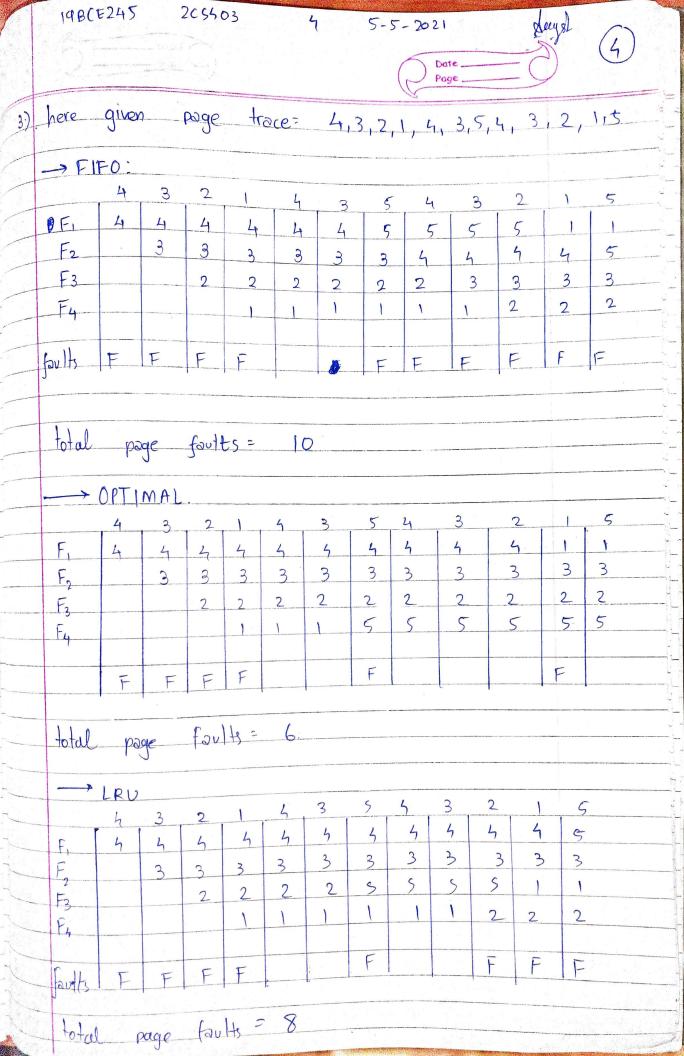
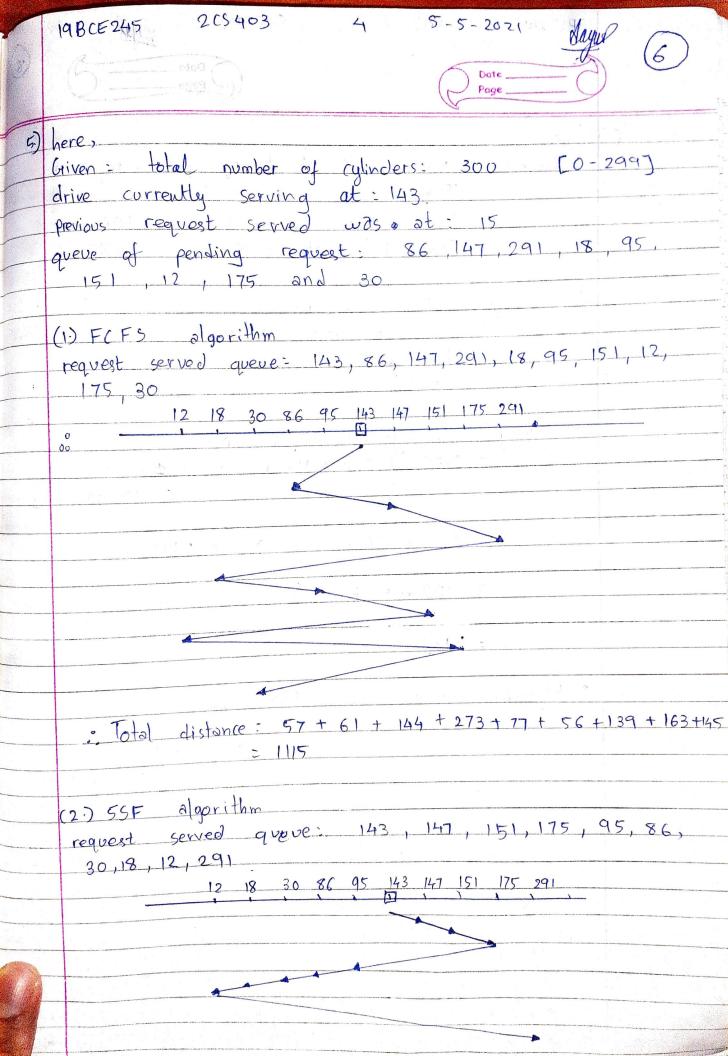


	19BCE245 2CS41	03 4 5-5-2021								
	7988	2)	Date Page							
2)	here, since NEED matrix = MAX - ALLOCATION; The content of need matrix is as follows,									
	The content of	need motrix is								
	MAX -	ALLOCATION	A B C D							
0	00 1200	0 0 1 2	0000							
lo-	1750	1000	0 7 50							
f2	23 56	1354	1002							
P3	0652	0632	0 0 2 0							
Py	0656	0014	0642							
		1830	Lo.							
	(1) Need matrix	obtained: A								
			0 0 0							
			7 5 0							
			0 0 2							
	es r		0 6 4 2							
	<i>y</i>									
	The Causton	is in safe state	Ci //							
	nrocess edi	in order: Po P	P, P3 P4! A B C D.							
	Ly he fore sevin	19 Po, avoilbable re	soruses 1 5 2 0							
	-> after serv	ina Po,	7 3 2							
	L) after ser	ving P <sub>2</sub> , 28	86 38 8							
	L→ after Sevi	$inq$ $f_1$ , $50$	8 0							
	Ly after serv	$lng(P_3)$	11 8							
	Ly affor sevri	$ng = P_4$ , $3 14$	12 12							
	~		discount for the ormerse							
	So the availablab	le resorses are suf	ficint for the processes							
	1		The state of the s							
	So the system.	is in sofe state								
	Y 10 L	roquest can be a	rated immediately be in safe state.							
	(111) les Thai	the sustem will	be in safe state.							
	and Stilt		V							
-										





	19B(E245 205403 4 5-5-2021 Myd)  Date Page 5							
<b>A</b> )	here, (niven memory partions of sixe: (in order) 100 KB, 500 KB, 200 KB, 300 KB, 600 KB							
	processes: (in order 212 KB 417 KB 112 KB 426 KB							
	Tirst fit:  212 KB 9s put in 500 K partition.  417 K 9s put in 600 K partition  112 K 9s put in 288 K partition  (°° as new partition 288 K = 500 K - 212 K)  426 K must wait.							
	Best-fit  212 K is put in 600 K partition  A17 K is put in 500 K partition  112 K is put in 200 K partition  426 K is put in 600 K partition							
	-> Morst sit  212 K is put in 600K partition  417K is put in 500K partition  112K is put in 388K partition  426 K must wait							
	-! In this problem, best-fit turns out to be the best.							



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	And the second second second second		Pag		
Total	distance: A			+ 6 + 279 =	474
(3) S(AN	1 alporition	<u>n a á</u> 41		71 1	
request	served qu	new: 143, 14	1, 151, 175	1291,95,8	6, 30,
Total	12 18 30	0 86 95 143	147 151 175	291 299	
	•••			1	
		The Paris	39		
7 7 7			Ÿ.	1 / 1	and the second s
Total	distance:	000	Anger State	1,1	
(299 -	143) + (	299-12)	1	3 71	
			1 - 14 - 27		
				1	
		,	, 500 <sup>2</sup>		
		3	73.0		
	and the second s	The state of the s		The second secon	
		3.7.			

