Operating Sys	tems	لمله	-Task	s	Rija A	
			1111		23K-0	+200
Task 1: (FCFS)					- TAT = CT- AT	
Process AT	78	CT	TAT	TW	-TAT = 7W -	78
P1	6	د	-	0	- ATAT = < (TA	
72 2	8	14	12	4		oces-
P3 4	7	21	17	10	- AWT = SLW	
P4 C	3	24	18	15	# Proc	cess
		27				4.4
PI P2	[P3	PY				
aut o c	14	21	24			No. in.
ATAT = 6+12+1	1+18 =	= 13.	25			
4						
71+V+0 = TWA	216	_ 7.	25			
ч						
		-3.6				
Task 2: (SJF)		7945				
	LCT	1	TWI			4 .64
Process AT BT		1 5	10			
P1 1 5	16			76/49		
P2 3 2	37	115				- 141 F
P3 6 c						
P4 6 1	4 1 13	2 \ (. =	1		311/6
	~	3-				
SO O CONTROL		33				
0 1 6						1.00
art hard PI	2 J P	12	P3]			
•		``~				
ATAT = 5+5+1	6+6 =	- 8				
ч	2.					
AWT = 0+3+	1+2 :	- 3		- 14.1,7		
ч	25,64					
		-				-1

							-		
+ Task 3	: CSP	(TF)	9	7.47		1700		1 7	1000
Proces	s AT	FIBT	CT	147	TWT	1 1 1 1 1	- TAT	- CT-	AT
91	0	9	22	22	13		- TW -	- TAT -	· 87
11 P2	7 3 54	4	5	4	0	L' - 1		171	150
87	2	-	14	12	5			7	
PY	3		2 7	u	\ a				
			-		2.111	Section.		9.30	10
chart [P4 P2	TPOTPO	TPZIF	yu Pu	PBIPL		427	7 + 1 - D;	
Chare		2 3	4 5	6		22	1.7		17).
					11-2		4 1 127	0 10	
		<u> </u>	10.0		_				7
AWT = 3	# Poocess	-		u	= 5			1.5-1	7.4
	- 1000		•						the second
	STAT	-	22+4	4 1240	= 10.	3	1 1/57	2.50	**
*	± Procen						65.	- 2	1
			,	2/2/13	. 4	× 71			3
*Task 4:	(RR)	Time	Dont	ב חשי	sms	3 1	4 1		
Process	1 74 1	BT 10	7 17	AT	wr	21	5		
PI	0	10	26	26	16				
P2	1	5	17	116	11175	77 7	1271		End.
P3	2	8	22	23	15	- +1	F		
P4	3	3	12	٩	6				
			North Transport		in p in	10	· 500	4	400
0	. P. L	1. P.			pr(4),			1.1.	
ನರಬ		1) > 12	.x2), (,	4(4),	25(-);	08 7 AT		- 1
			. 75	100	1	93 PI	James :	*	
Committee of the second	1 72	63 L			3 PI 1	22 22	7-		
Chart P	3 6	9	12						
0	3 6		1 13 29	TO LAT					
	3 G SwT	= 11	+11+15	546				2 P	
0	3 6	= !!	+11+15	54L	62. • 52.	anis?	73 i 7	0. /32	
0	3 6 <u>SWT</u> #fracks	= !!	26+16e	2349		anis?	73 7	0+ 122 9-1	
= TWA	3 6 SWT #fraces	= !!	26+16e	54L	62. • 52.	anis?	73: 7	2 - 2 P	
O AWT =	3 6 <u>\$wT</u> #fracts 2TAT # froccs	= "	26+16e	2349	= 18.	anis?		1. 132	
ATAT = Task 5: (R	3 G SUT # Practs ** Practs ** Proces ** Proces	= "	26+16+10 C	2349	= 18.	anis?	73 1	0+ 122 9+1 1	
ATAT = ATAT = Task 5: (R	3 G SUT #Practs #TAT # Proct Time AT	= "	26+16+10 COM 2	23+9	# = 18.	anis?	73 1	2	
AWT = ATAT = Task 5: (R Process P1	3 G SUT #Practs #TAT # frocts AT O	= 111 S Avaud BT 101	26+16+10 C	23+9	= 18.	anis?	73 7	0 + 132 3 - 1 3 - 1 - 1 - 2	
AWT = ATAT = Task 5: (R Process P1 P2	3 G SUT #Practs #Practs # Proct Time AT O 2	= 11 S Avaut	26+16+16 26+16+16 27 - 30	2349 1 ms.	= 18.	anis?		0 + 1 S z	
AWT = ATAT = Task 5: (R Process P1 P2 P3	3 (2) \$\frac{2}{4} \text{Practs} \$\frac{2}{4} \text{Proces} \text{P} \text{Times} \text{Q} \text{Q} \text{Q} \text{Q}	= 11 2 Avaud BT 10 12 C 8	26+16+150m 2.25	2349 1 me. TAT 1 30 18	= 18. WT 18 12 14	anis?		0+ 122	
AWT = ATAT = Task 5: (R Process P1 P2	3 G SUT #Practs #Practs # Proct Time AT O 2	= 11 S Avaut	26+16+16 26+16+16 27 - 30	2349 1 ms. TAT 1 30	= 18. WT 18	anis?		0+ 122 9-1	

Queve: P	(16),	Peta)	· Patc) ,	BITS), pra	6), Px(2)	1, Pst4),_
-, P	165,	P3(2)	, Pytus,	Pr(2)	1 1	1-79 1	7.2027
That The	71x x		81,11	8/5	of the		12
Chart [13	2 4		P1 P2		14 PT]	P2 P3 P	24 26 30
	-	7	# / //	1 -	1 = 1	8/1	117
AWT = SWT		18412	+14+6 =				
		5.1	(A) 89 77	-		2 ,	o Jresto
ATAT = STA		30+	4	= 2	3		
	ū,		22 - 6	12.0	+31	7111	
* Task 6:	Priority	Schedu	sing (NON			215:019 4	
Process	AT 1	BT 1	Prierity	CT	TAT	1 WT TAT	> - TATA
P1	0	7	3	7	٦	o'awr? =	
P2	1	ч	1	11	10	6	
P3	2	4	2,,,,,	177	. 15	9/11	- 12 4 - 7 4
PY	3	5	4/201	22	719	77.14-74	A 3
			.,, [25/	de l'i	10	F. C.
01	PTI	P2 P		21	0/2	,	.09
Chart 1		12 11		>	35 / 3	1 3	
			1	and the	, / 6	1 5	179
A=	, T	011	4 9 4 14 2	= 7.2			
4WT = 54	Process ;		(4) 13 21			7-19	2
2.00	(17)77			1000		() () ()	(Internal
ATAT = 3T	Provess		4 15419				
	- / / - J.		19 (59)	21 17	114 / B	3/39/ 1	7
*Task 7: Prior	ing Scho	- pribles	(Preemphi	c) 7/1/	124	70.15	× 110 A
Proces AT	BT	Priorie	7 107	THY	720	25007 H	
17 0	8	2 ;	8 F	8	0	7.47.	7/1T4
72 1	3	1	4	3	0	2000 br	
P3 2	5	3	13	li II	6	. 30- 60-	1. The 17th
		1	1	3-1	1.		1
•			3111	d	art [PT [P2]	P3 P3
AWT = 0+0	, + (= 2				D	1 4	8 13
3			10/ / 20			1 17	29
ATAT = 8+3	+11 =	± 7⋅33			1 12		1.0
3		. 30					
						1	