

Assignment-2

Q·1)	Consider	following process	with arrival	time and	bust lines.
	Process	Aprival tim	e Busst Time		
	PI B	0	5		
	P2		3		
	P3	2	6		

	PI		P2	P3
0,		5	8	14

2

Process	Assival	Burst	wait Time	TAT	
91	0	5	0	5	
P2	•	3	4	7	
P3	2	- 6	6	12	

Av9 wait time =
$$P1 + P2 + P3 = 6 + 46 = 10 = 3.33$$

6

Q·2)	Process	Arrival Timo	Buast Time	<u>Transaction</u>	1-2
	91	0	3	Colculate	Average
	P2		5	Poisu TAT	SJF Algorithma
	Р3	2	\$1 -le	2.0	
	14	3	4		

Goott chart: -

PI		P3	P4	P2	
0	.3	4		8 1	13

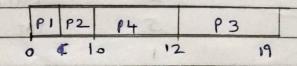
	PID	Arrival	Bust	CT	wait	TAT	
1	01	0	3	3	0	3	
-	62		5	13	12	12	
-	00	2		4	2	2	
-	04	3	4	8	5	5	
-						1000	
1							-

A-9 TAT =
$$\frac{3+17+3+9}{4}$$
 = $\frac{32}{4}$ = $\frac{32}{4}$ = $\frac{3}{4}$ = $\frac{3+12+2+5}{4}$ = $\frac{22}{4}$ = $\frac{5.5}{4}$ units

Q-3)	Process	Arrival	Bust	Provity	
	P1	0	2 6	3	
	P2	41	4	1 1	
	ρ3	2	7	4	
	ρ4	3	2	2_	

Find ave wait Time Using Provity Sheduling (lower number, high provity)

> Gantt chart :-



Process	Arrival	Busst	Provity	W.T	
PI	0	85	3	0	20.43
P2	1	4	1	5	
P 3	2	7	4	8 10	19
P 4	3	2	2	7	6
			1-	_	

Av9 = 0+5+10+7 = 5.5

04)	Process			
	61	Arriva	Busst	Round Robin Sheduling
	P2	0	4	is 2 units:
	P3		5	find av9 TAT using Round-
	01.	2	2	Robin
1	- 74	3	3	

Process	Appival	Busst	Completion Time	TAT				
PI	0	42	10	10				
P2	1	831	14	13				
P3	2	2	6	4				
P4	3	81	13	10				
			1 3					

Average TAT =
$$10+13+4+10 = 37 = 4.25$$
 units

- Anter forking, both parent fichild increment by I what is final value of x in parent f child after fork ():
- of thild process, final value is 6