what is the average turnsmound hime for the following Process DFCFS, ii) Non meensphire SJF iii) Preemptive SJF.

Process Parrival Execution time.

Process 0.0 8

Process 1

Process 1

Process 1

Process 1

i) FCFS:

Gautt Chant

Process	E.T	A.T	W. 1	, 11 (
P	8	0.0	0-0.0	<i>'</i> ⊗
92	H	0.4	8-0.4	11.6
P3	1	1	18.6	31.6/3
			= 6.2ms	=10.53 ms,

ii) non proemptive SJF

Process	Arrival time	Burst time	waiting time	Tuous of around time
P.	6	. 8	0-0-0	8-101-18
1, 1			9-04586	4+8.6=12.6
P2	0.4	4		. 741=8
	•	1	8-1=7	
P3	(8412.648

Average tromoround time = 8+12.6+8 = 28.6 = 9-53 ms.

Process	- Arrival tune	. Bring	wai hing hime (0+(5.4-0.4)] 0	Turnoround 345=13
ρ,	. 6	,	E5 (2-1) J-04	4+1=5
P ₂	0.4	4	21	140 =1
13			15 15 15 15	19/2 = 6=

19CSE0401

2) consider the following process with cpo burst time

Process	· B-9	Priorty	
P_{ℓ}	(0	3	
Pa	t	1	
P3	2	3	
Py	1	4	
P5	5	process are assowed in P, 1P2	-/

P3, P4, Ps order atime o.

i) Draw gant chart to show conemtion blus.
i) FCFS : ii) SJF iii) non preemptive IV) Round Pobin (TO=1ms)

ii) Calculate waiting time and twom around time gor oach scheduling algorithm.

i) in FCFS

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Process	ET	W.T	TAT			
P	·to	0	(0			
P2	1	(0	U			
P3	2	11	18			
Py	.1	13	14			
Ps	S	14	19			
	७ ज	= 48 ms				
	7PT = 67ms					

ii) SIF	P	Pu	Po	Ps	P,]
	0	2	4	. 9	١٩

Process	"Executo Time	waiting time	T. 151
Ρ,	· 00	9	1849=19
P2	1	Q	14051
P3	2	2	2+2=4
	l	1	141=2
Py	5	4	54429
P ₅			

Total waiting Time: 16 ms TAT = 35 mg.

11D Non procruptive priority

Process	BT	Priouty	·WE	TAT .
Pi	10	3	Ь	140=1
P2	1	3	16	2+16=18
P3 P4	2	Y	18	,1+18=19 5+1=6
Pe	5	2	,	9

Total waiting time = 41 ms

(Round Robin (FQ = (M))

1.0-00			9	()					0 1	.)			1. pg	D. \	Ž
IP,		_	0	0-	101	Po	Ps	Pil	P5	Pil	Pg	1 4	1. 62	1"	1
\P.	Ψ2	13	Pu	15	100	13	_	' '				\		1	9
				1				9	te	0	(1	12	13 1	ч .) }
0	1 2	_ 3	S C	ų ³	, 6	1	0								

Docess	ET	W.T	TAT
1000		046-17-1(8-6)410-0)	(049 = 19)
Pr	(O	4(12-11)-114	.141 = 5
P ₂	• †	. 1 '	. 245=7
	2	2+ (6-3)=5	- -
P ₃	, (3	173=4
Pq	5	4 (1-5)+(9-8)+111-1 + (13-1	o). Sta=14
Pg		_	

Total TAT = 46 ms TwT = 27 ms

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