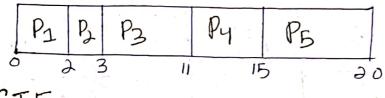
Name: Amber Khurshid Section: BAI-5A ROH NO: 22P-9295 Assignment #04 Talk #1

a) FCFS



PJ	Pi	Py	P <sub>5</sub>	P3.	
0 - 1	L 3	7	12	)	30

p <sub>3</sub>	PS	P1	Py		P2	
0	3 1	3 15	5	19	2	D

Round Robin

			-							
D	o l	Pa	P.	n	р	0	p		1,01	
	- To	2 P3	1.19	15	13	14	15	13	15	P2
0	2	3	5	7 0	: 1	1	3 1	5 1	7 18	20

b) Turnaround Time (completion time - Arrival Time) We assume the arrival time to be zero.

Process	FEFS	Priority Si	Flound Lobin	Priority
P1	2 6	3	1 100 13	15
Pa	3	1	3	20,-
13	11	90	20	8
Py	15	7-	13	। भ
P5	20	12	18	13
	1			

Waiting time (Turnaround Time - Burst Time)

		1. 1800	1 1111	1	1 1 1
Process	FCFS	SJF	RR	Priority	
P2	O .	1 .	0	13	
P2	- 2	0	2:	19	
P3	3	12	12	0.4	
Py		3	9	15	
P5	15	7	13	8	
. 1		1	7		

Samuel with Company

SJF has shortest average waiting time over all processes.

Tagh #02.

$$PJ = 80 - 25 = 55$$
  
 $P3 = 90 - 30 = 60$ 

C) Waiting Time:

$$WT = TA - BT$$
 $P_1 = 20 - 20 = 0$ 
 $P_2 = 55 - 25 = 35$ 
 $P_3 = 60 - 25 = 35$ 
 $P_4 = 15 - 15 = 0$ 
 $P_5 = 20 - 10 = 0$ 
 $P_6 = 10 - 10 = 0$ 

## Priority

1	P1	PS	P3	Py	P2	
Ċ		5	9 10	בן כי	7 20	$\mathcal{I}$

## Round Robin

1		. / *	. 1			-	-		1		$\neg$
			0		n	D	Pu	Pa	P.1	Pu	,
PI	1/2	173	179	15	101	12	1 9	1.2	1.1	P4	
<u> </u>	1	1 .	5	7	3 1	1	12	14	161	17	20
•	Α,	7	) ,	+			12	•			11

## b) Turayaround time

	9 (1)			1	00
نو ار	Process	FCFS	SJF	Priority	RR
. ·	$\rho_{i}$	5	13	51	17
	P2	8	4	20	12
	P3	q		10	S
	P4	16	20	17	20
	PST	20	8	9	10

## c) Waiting Time

FCFS	SIF	Priority	RR
0	8	0	12
5	1.	17	9-
χ.	Ô	q	y
a	12.	10	12
	د		
10	14	7	12
	FCFS 0 5 8 9	FCFS SJF 0 8 5 1 8 0 9 13	FCFS SJF Priority 0 8 0 1 17 8 0 9 9 13 10 10 4 5

SJF regulte in the minimum average waiting time over all processes.

Tagle #04

c) 
$$WT = TA - BT$$
 $P_1 = 15 - 15 = 0$ 
 $P_2 = 95 - 20 = 35$ 
 $P_3 = 55 - 20 = 35$ 
 $P_4 = 55 - 20 = 35$ 
 $P_5 = 5 - 5 = 0$ 
 $P_6 = 15 - 15 = 0$