6.3 0 8 12 13 a) P, P2 P3

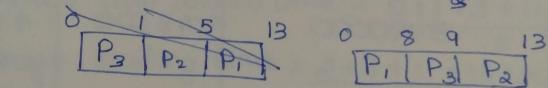
turn around time = Exit time - Arrival time

Process Exit time Two more time P_1 8 8-80 = 8

Pa 12 12-0.4 = 11.6

Pa 13 13-1.0 = 12

Average two around time = 8 + 11.6 + 12 = 10.53.

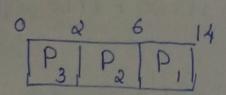


Process Exit time Two around time

 P_{31} 8 8 - 0=8 P_{3} 9 13 P_{2} 13 13 - 0.4 = 12.6

Average turn around time = 8+8+12.6 = 9.53

6.3 c.



Process Exit time two around time

$$P_3$$
 Q
 $Q = 1 = 1$
 P_3
 Q
 $Q = 0.4 = 3.6$
 Q
 $Q = 1.4$

Average turn aroud time = 1+5.6+14 = 6.866

6.16

$$P_1$$
 P_2
 P_3
 P_4
 P_5

0

 P_1
 P_2
 P_3
 P_4
 P_5

1

 P_3

1

 P_4

15

 P_5

20

15

Average turn around time = 0+1+3+11+15 = 6.2Average waiting time = 2+3+11+15+20 = 10.2b. P_{2} P_{1} P_{2} P_{5} P_{3}

Process Exit time-Drival TAT-Burst = Waiting P_1 3 1 P_2 1 P_3 20 12 P_4 7 3

12

7

Average turn around time = $\frac{3+1+20+7+12}{5} = \frac{43}{5} = 8.6$ Average waiting time = 1+0+12+3+7 = 23 = 4.6 C. P3 P5 P1 P4 P2 Process Exit time town around time Waiting time 20 13 15 15 8 13 Average turn around time = $\frac{15+20+8+19+13}{5} = \frac{75}{5} = 15$ Average waiting time = 0+19+13+15+8 = 55 = 11 0 Q 3 5 7 9 11 13 15 17 18 20 d. P1 P2 P3 P4 P5 P3 P4 P5 P3 P5 P3 Process turnaround time waiting time 8 Average twinaround time = 2+3+13+4+8 = 30 = 6 Average waiting time = 0+2+5+0+3=10=2

b. Average two around time =
$$\frac{180}{6}$$
 = 30

C. Average waiting time =
$$30+35+10 = \frac{75}{6} = 12.5$$