... high priority send to ready pool.

6) Process - id | CPU Burst Time | Arrival Time

Process - id	CPU Burst Time	Arrival Time
P1	10	0
P2	1	0
P3	2	0
P4	1	0
P5	5	0

ELES:-

P1	P2	P3	P4	P5
0 10	11	13	14	19
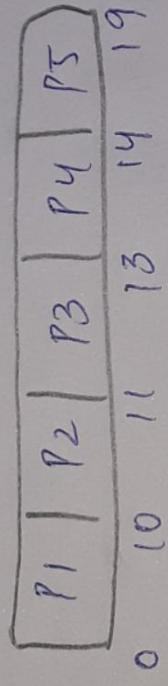
Process	Completion Time	TurnAround Time	waiting Time	Response Time
P1	10	10	0	0
P2	11	11	10	10
P3	13	13	11	11
P4	14	14	13	13
P5	19	19	14	14

Turn Around Time = Completion Time - Arrived Time
waiting Time = Turn Around Time - Burst Time
Average waiting time = $\dfrac{0+10+11+13+14}{5} = \dfrac{48}{5} = 9.6$ ms

Average Turn Around Time = $\dfrac{10+11+13+14+19}{5} = \dfrac{67}{5} = 13.4$ ms

SJF (non pre emptive):

P2	P4	P3	P5	P1

0   1   2   4   9   19

	completion Time	Turn Around Time	waiting Time	Response Time
P1	9	9	-1	9
P2	0	0	-1	0
P3	2	2	0	2
P4	1	1	0	1
P5	4	4	-1	4

Average waiting Time = $\dfrac{-1+1-1+0+0}{5} = \dfrac{-3}{5} = -0.6$

Average Turn Around time = $\dfrac{9+2+1+4+0}{5} = \dfrac{16}{5} = 3.2$

• Average waiting Time = $\dfrac{9+0+2+1+4}{5} = 3.2$ ms

• Average execution Time = $\dfrac{10+1+2+1+5}{5} = 3.8$ ms

Average turn around time = $3.2 + 3.8 = 7$ ms

✱ SJF (Pre-emptive)

Process	Burst Time	completion Time	Turn Around Time	waiting Time	Response time
P1	10	19	19	9	0
P2	1	2	2	1	1
P3	2	5	5	3	3
P4	1	3	3	2	2
P5	5	10	10	5	5

P1	P2	P4	P3	P5	P1

0   1   2   3   5   10   19

Average waiting Time $= \dfrac{9+1+3+2+5}{5} = \dfrac{20}{5} = 4ms$

Average Turn Around Time $= \dfrac{19+2+5+3+10}{5} = \dfrac{39}{5} = 7.8ms$