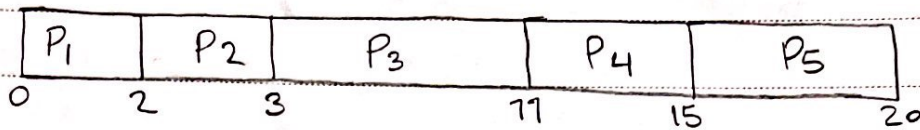
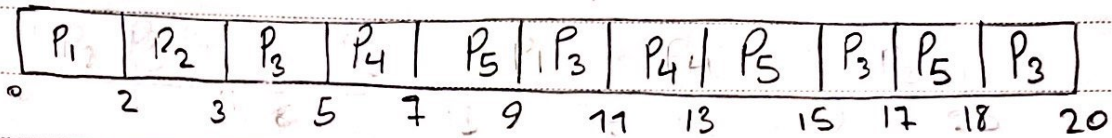


FCFS:

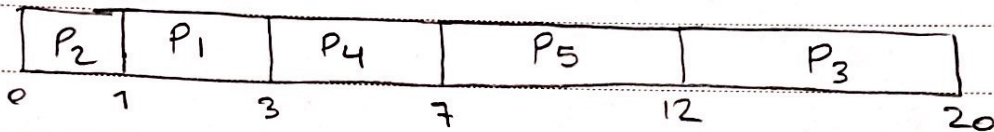


17 (7)

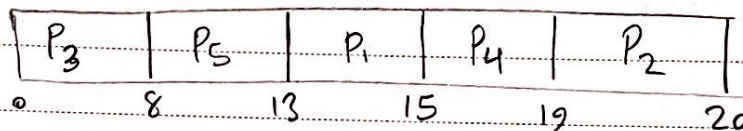
RR:



SJF:



Non-Preemptive:



Turn-around time = Completion time - Arrival time

FCFS: $P_1 \rightarrow 2$ / $P_2 \rightarrow 3$ / $P_3 \rightarrow 11$ / $P_4 \rightarrow 15$ / $P_5 \rightarrow 20$

RR: $P_1 \rightarrow 2$ / $P_2 \rightarrow 3$ / $P_3 \rightarrow 25$ / $P_4 \rightarrow 13$ / $P_5 \rightarrow 18$

SJF: $P_1 \rightarrow 3$ / $P_2 \rightarrow 1$ / $P_3 \rightarrow 20$ / $P_4 \rightarrow 7$ / $P_5 \rightarrow 12$

Non-Preemptive: $P_1 \rightarrow 15$ / $P_2 \rightarrow 20$ / $P_3 \rightarrow 8$ / $P_4 \rightarrow 19$ / $P_5 \rightarrow 13$

FCFS: $P_1: 0-0=0$ / $P_2: 2-0=2$ / $P_3: 3-0=3$ / $P_4: 11-0=11$ / $P_5: 15-0=15$ avg waiting time = 6.2

RR: $P_1 \rightarrow 0$ / $P_2 \rightarrow 2$ / $P_3 \rightarrow 12$ / $P_4 \rightarrow 9$ / $P_5 \rightarrow 13$ avg waiting time = 7.2

SJF: $P_1 \rightarrow 1-0=1$ / $P_2 \rightarrow 0-0=0$ / $P_3 \rightarrow 12-0=12$ / $P_4 \rightarrow 3-0=3$ / $P_5 \rightarrow 7-0=7$ avg waiting time = $\frac{23}{5} = 4.6$

Non-Preemptive: $P_1 \rightarrow 13$ / $P_2 \rightarrow 19$ / $P_3 \rightarrow 0$ / $P_4 \rightarrow 15$ / $P_5 \rightarrow 8$

PAPCO

Subject: _____

Date _____

$$\text{FCFS: avg time} = \frac{0+2+3+11+15}{5} = 6.2$$

$$\text{RR: " " } = \frac{0+2+12+9+13}{5} = 7.2$$

$$\text{SJF: " " } = \frac{1+3+12+0+7}{5} = 4.6$$

$$\text{Non-preemptive: " " } = \frac{13+19+0+15+8}{5} = 11$$

الترتيب SJF قصير المدة

(7)

ب. 2