|  |  |  |  |
| --- | --- | --- | --- |
| Process | Burst Time | Arrival Time | Priority |
| P1 | 5 | 0 | 1 |
| P2 | 7 | 2 | 3 |
| P3 | 2 | 4 | 2 |
| P4 | 3 | 6 | 5 |
| P5 | 8 | 8 | 4 |

a)

Pre-emptive SJF

P5

P2

P4

P1

P3

P1

0 4 6 7 10 17 25

b)

Pre-emptive SJF

P1 – 7

P2 – 15

P3 – 2

P4 – 4

P5 – 17

Round Robin quantum time = 2

P1 – 18

P2 – 21

P3 – 2

P4 – 9

P5 – 17

c) Waiting Time

Pre-emptive SJF

P1 – 2

P2 – 8

P3 – 0

P4 – 1

P5 – 9

Round Robin quantum time = 2

P1 – 13

P2 – 14

P3 – 0

P4 – 6

P5 – 9

d) Response Time

Pre-emptive SJF

P1 – 0

P2 – 8

P3 – 0

P4 – 1

P5 – 9