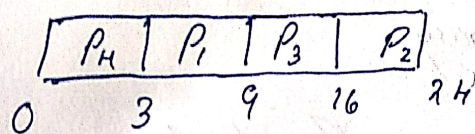


Q. (ii) Non-Premptive SJF →

Process TP	AT	BT	CT	TAT	WT
P ₁	0	6	9	9	3
P ₂	0	8	24	24	16
P ₃	0	7	16	16	9
P ₄	0	3	3	3	0

Gantt Chart

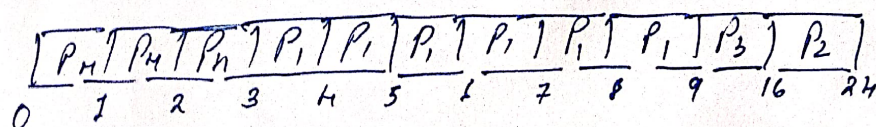


avg. waiting time = $\frac{28}{4} = 7$

Premptive SJF →

Process TP	AT	BT	CT	TAT	WT
P ₁	0	6	9	9	3
P ₂	0	8	24	24	16
P ₃	0	7	16	16	9
P ₄	0	3	3	3	0

avg. waiting time = $\frac{28}{4} = 7$



∴ the waiting time is same for both Premptive & Non-Premptive SJF.

(a) Cloud scheduling refers to the technique of Mapping a set of jobs to a set of virtual machines or allocating VMs to run on the available resources in order to fulfill the user demand. Some of its tasks are →

- Scheduling tasks on a real time system
- Improves load balance
- Decreases the no. of completed tasks
- Maximizes Resource Utilization
- Minimizes total task execution time.
- Monitors the CPU memory.
- Provides a high system throughput.