

Tutorial No :5

Batch B1

Consider the following set of processes, with the length of CPU burst time given in milliseconds.

Process	Arrival Time	Burst Time	Priority
P ₁	2	3	2
P ₂	1	1	1
P ₃	0	7	3
P ₄	3	4	4

Draw the Gantt charts illustrating the execution of these processes using

1. FCFS
2. SJF – Preemptive & Nonpreemptive
3. Priority-Preemptive & Nonpreemptive
4. Round Robin TS=1,2

Compute finish, turnaround and waiting time of each process for above all scheduling algorithms.

Batch B2

2. Consider the following set of processes, with the length of CPU burst time given in milliseconds.

Process	Arrival Time	Burst Time	Priority
P ₁	0	8	3
P ₂	1	1	1
P ₃	2	3	2
P ₄	3	2	3
P ₅	4	6	4

Draw the Gantt charts illustrating the execution of these processes using

1. FCFS
2. SJF – Preemptive & Nonpreemptive
3. Priority-Preemptive & Nonpreemptive
4. Round Robin TS=2,4

Compute finish, turnaround and waiting time of each process for above all scheduling algorithms.

Batch B3

Consider the following set of processes, with the length of CPU burst time given in milliseconds.

Process	Arrival Time	Burst Time	Priority
P ₁	0	8	3
P ₂	2	1	1
P ₃	3	3	2
P ₄	4	2	3
P ₅	5	6	4

Draw the Gantt charts illustrating the execution of these processes using

1. FCFS
2. SJF – Preemptive & Nonpreemptive
3. Priority-Preemptive & Nonpreemptive
4. Round Robin TS=1,2

Compute finish, turnaround and waiting time of each process for above all scheduling algorithms.

Batch B4

Consider the following set of processes, with the length of CPU burst time given in milliseconds.

Process	Arrival Time	Burst Time	Priority
A	0	3	2
B	1	5	1
C	3	2	3
D	9	5	4
E	12	5	4

Draw the Gantt charts illustrating the execution of these processes using

1. FCFS
2. SJF – Preemptive & Nonpreemptive
3. Priority-Preemptive & Nonpreemptive
4. Round Robin TS=1,2

Compute finish, turnaround and waiting time of each process for above all scheduling algorithms.

