P-3 (Scheduler) :

Round-Robin Scheduler

P - A, B, C

Ticks	Processes
1	A
2	B
3	C
4	A
5	B
6	C
7	A
8	B
9	C

Weighted RR Scheduler:

A — 3 ticks.   B — 2 ticks, C — 1 tick

Ticks	Process
1	A
2	A
3	A
4	D
5	B
6	C
7	A
8	A
9	A
10	B

Compensated RR schedule

A - (3) ticks, D-2, C-i

Ticks	Proces	Sleepy
1	A	
2	B	(A)
3	B	
4	C	
5	A	
6	A	
7	A	
8	A	
9	B	
10	B	

Ticks	Process
→ 1	A
→ 2	A
3	A
4	B
5	B
6	
7	

→ content switch

schedule() → switch(OS, P)

sched() → switch(P, OS)

When is sched() called?

1) Timer Interrupt

    trap() → yield → sched()

2) When sleep() is called

    → waiting / blocking

3) When exit is called

When is sleep() called?

1. The <u>sleep()</u> syscall. }
2. <u>wait()</u> call. }

3. When a process is waiting to read
   from a <u>pipe</u>.   X

$$sleep\ (\boxed{30}) - ; \underline{channel} \rightarrow keyboard\ input$$

wakeup(<u>30</u>)

P-3:

1) <u>setslice</u> syscall } I

2) <u>getslice</u> syscall } I

3) <u>fork() → fork2()</u> } II

4) getpinfo syscall } III

pstat os->user ∫ ─ ─

5) Scheduling policy-> y (IV
   compensated RR. _

6) Use $\underline{\underline{GDB}}$!