

# **OPERATING SYSTEMS**

# PREPARED BY: ODY SHBAYAH-1201462.

OS-HW

SECTION2.

DR:ABD-SALAM-SAYYAD

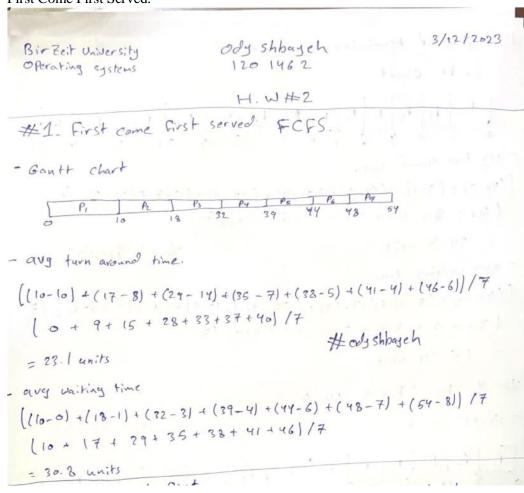
DATE: 10/23/2023.

Consider the following set of processes:

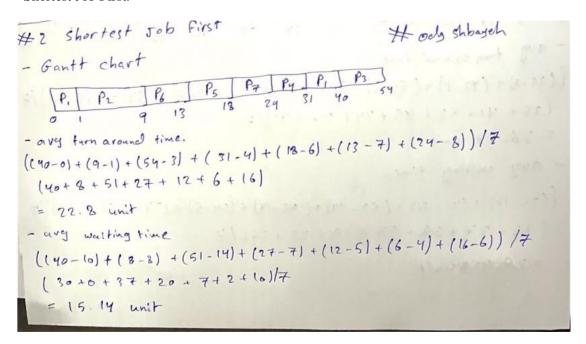
Process	Arrival Time	Burst Time	Priority
P1	0	10	3
P2	1	8	2
P3	3	14	3
P4	4	7	1
P5	6	5	0
P6	7	4	1
P7	8	6	2

For each of the following scheduling algorithms, show the Gantt chart, average waiting time, and average turnaround time.

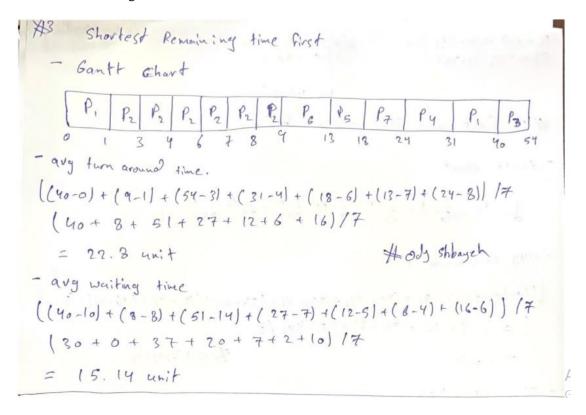
### 1- First Come First Served.



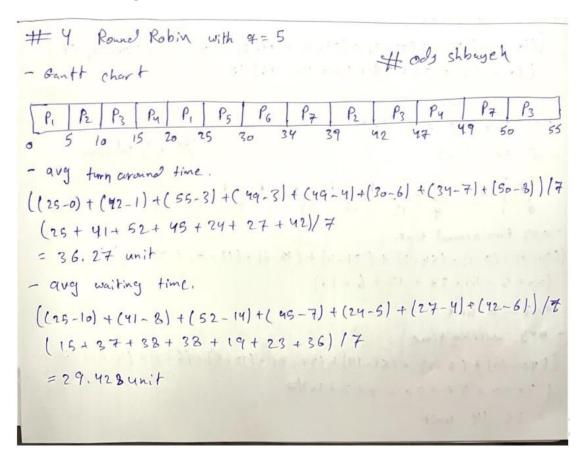
#### 2- Shortest Job First.



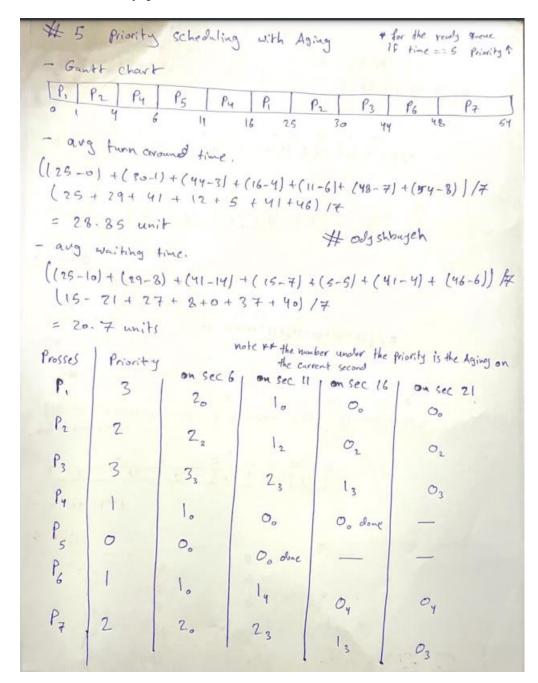
### 3- Shortest Remaining Time First.



## 4- Round Robin, with q = 5



5- Priority Scheduling, with aging; where priority is decremented by 1 if the process remains in the ready queue for 5 time units.



Regards: odyshbayeh