

**220350320059**  
**PG-DAC MARCH 2022**  
**OPERATING SYSTEM (ASSIGNMENT 1)**

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2 **FCFS CPU SCHEDULING**

3

4 Q1. Calculate average waiting time and turn around time

5 Solution:

6

Process	Arrival time	Burst Time	Completion Time	Turn Around time	Waiting Time
P1	3	4	7	4	0
P2	5	3	13	8	5
P3	0	2	2	2	0
P4	5	1	14	9	8
P5	4	3	10	6	3
Total=29				Total=16	

Turn Around Time=Completion Time -Arrival Time  
Waiting Time= Turn Around time - Burst Time

Gantt Chart:

Process	Start Time	End Time
P3	0	2
P1	2	7
P5	7	12
P2	12	13
P4	13	14

Avg Waiting Time: 16/5 Avg Turn Around Time=29/5

Avg Waiting Time:3.2 Avg Turn Around Time=5.8

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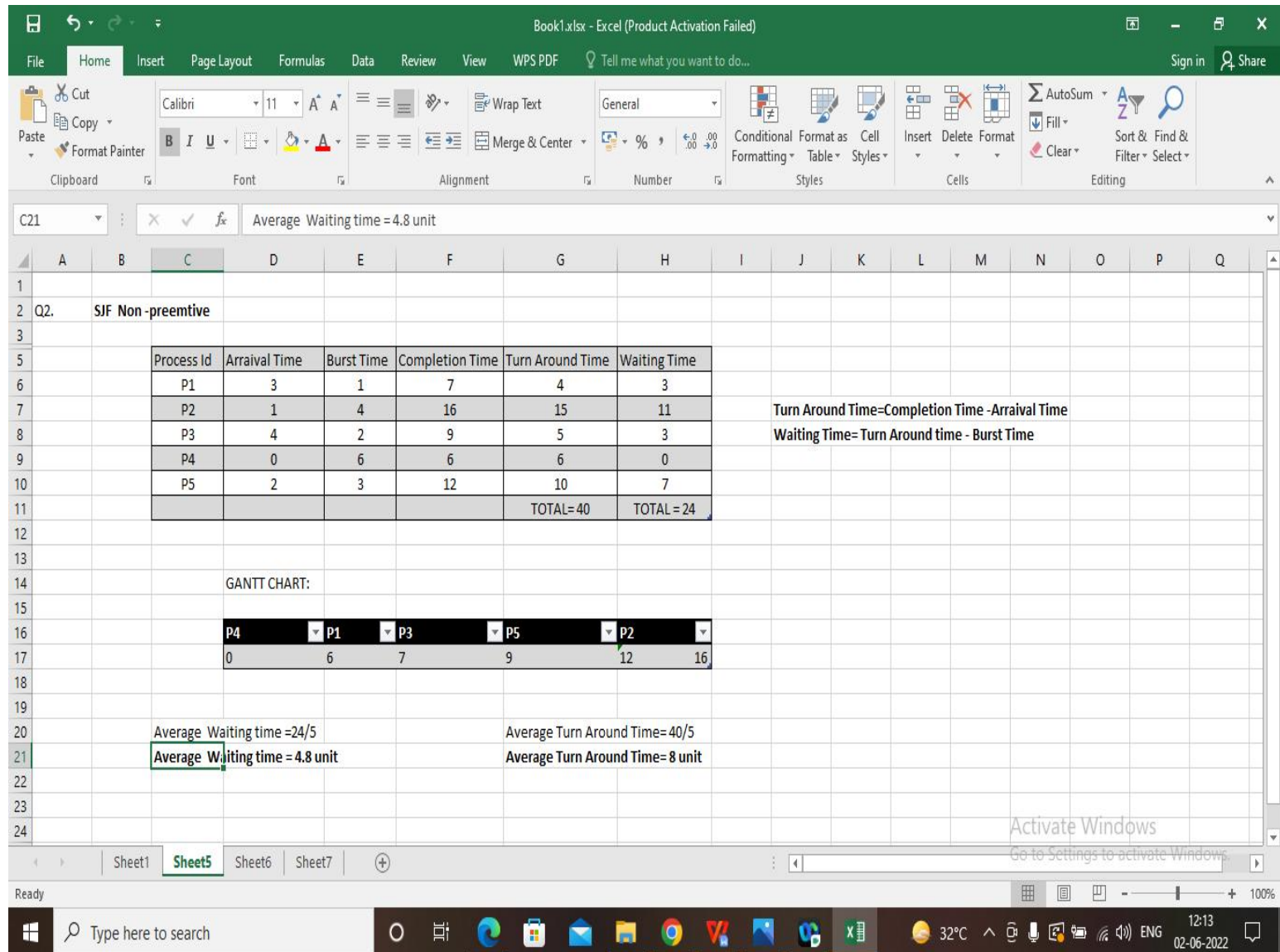
Sheet1 Sheet5 Sheet6 Sheet7

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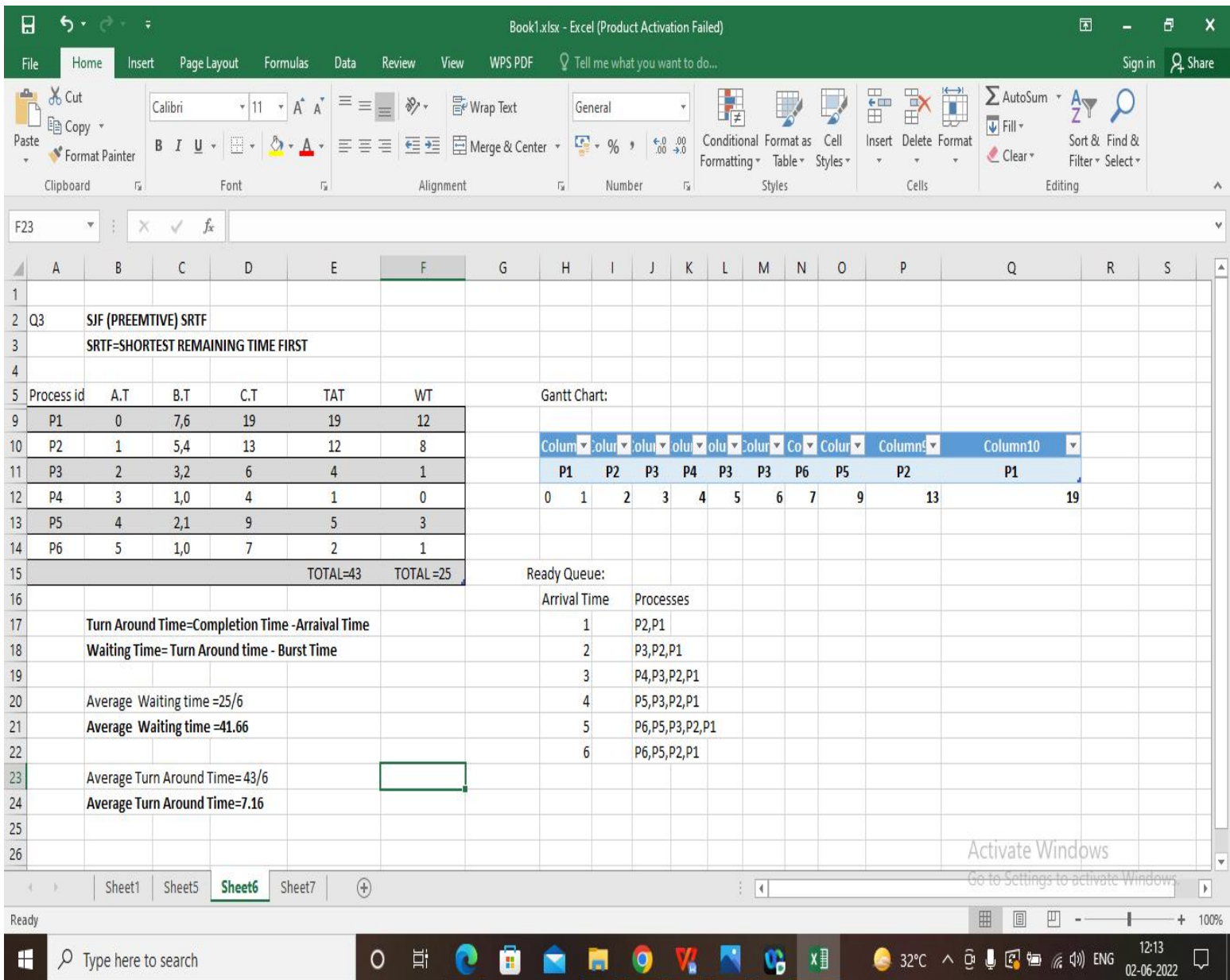
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