Muhammad Umair Akram   03-134221-041

OS - Quiz #1

7-S Transaction diagram

① Best Max $\left(\dfrac{2.5}{2.5}\right)$

Sechdule/dispatcher

New → Admitted → Ready → Run → Completion → Termination

Time Quantum/Priorty

I/O Completion

I/O wait/ User input

Suspended   Resume

Suspended Ready

wait/block

Susped   Resume

$\left(\dfrac{1.5}{1.5}\right)$

Suspended wait
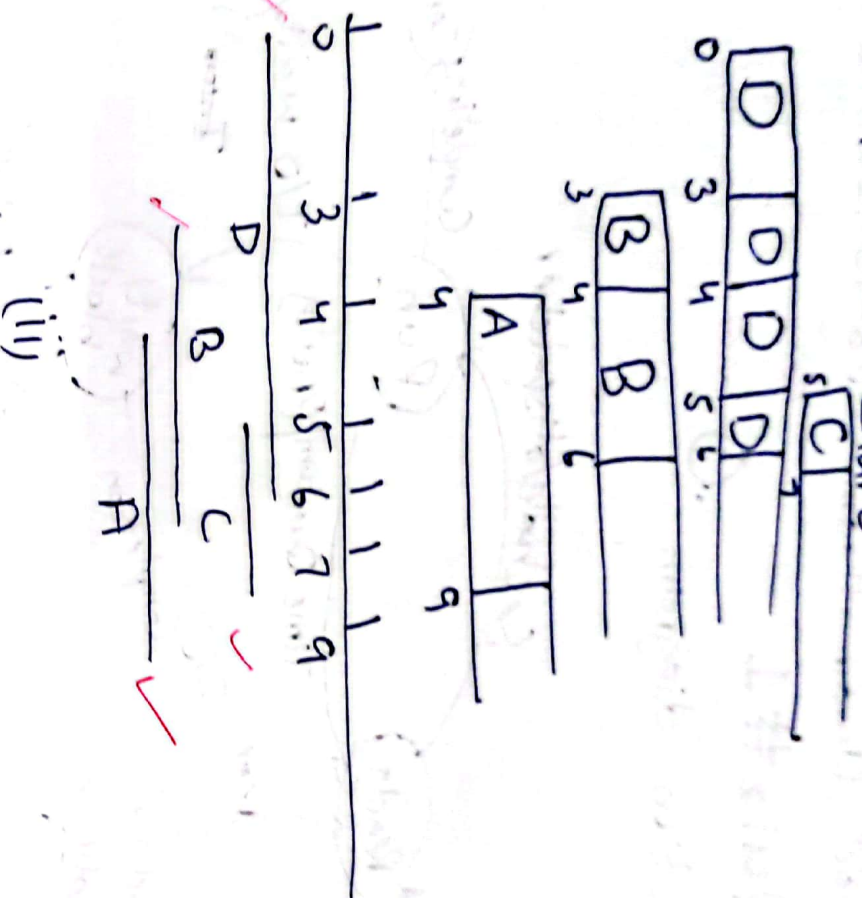
I/O Completion suspended but still in
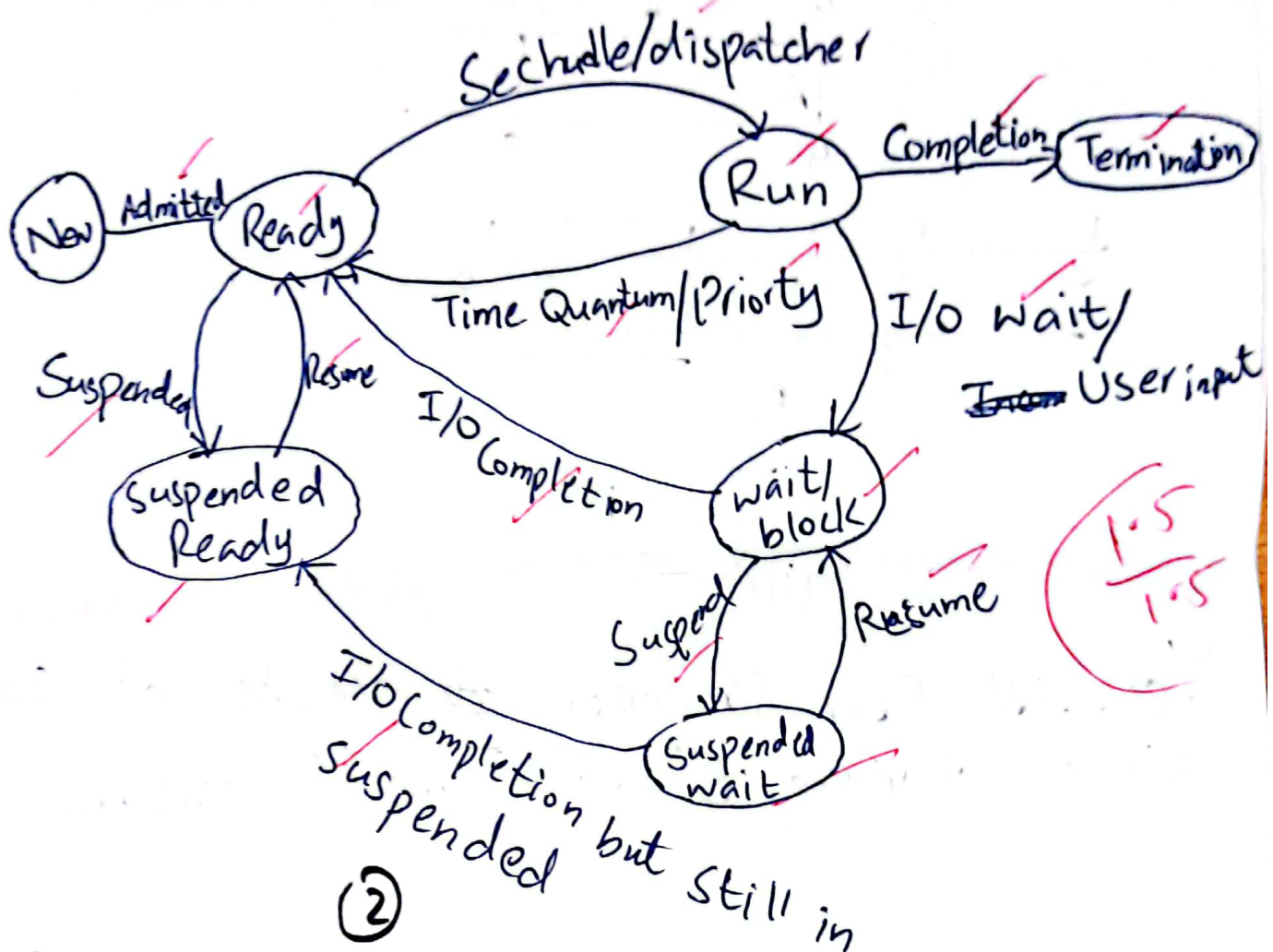
②

Suppose 4 processor
* Only D start at 0 unit
* B start at 3 units
* C must start exactly one unit before D's completion
* A must start after 1 unit of B's execution
ⓐ Graph Cart   ⓑ Is it there any frame when 4 processor execute at same

A	Time
A	5
B	3
C	2
D	6

Name: 03(03)0214-025
Muhammad Hassan Pirhal

Enrollment No. 03-94021-025

(i) Graph ~~Gant~~ Chart

D | D | D | D
0   3   4   5   6

B | B
3   4   5   6

A
6   9

C
5   7

0 3 4 5 6 7 9

D   B   C   A

(ii)

Yes, All Four Processor ~~so~~ execute at Same time during **5-6** Time Quantum