Assignment for Today's Class

Solve this Problem

For the processes listed in the table, calculate the average turn around time and average waiting time, for FCFS,RR (quantum=2), SJF and SRTF.

8

Process	Arrival Time	Burst Time
P1	0	3
P2	2	6
Р3	4	4
P4	6	2

- i) Aging is associated with
 - a) Starvation

b) Deadlock

c) Scheduling

d) Paging

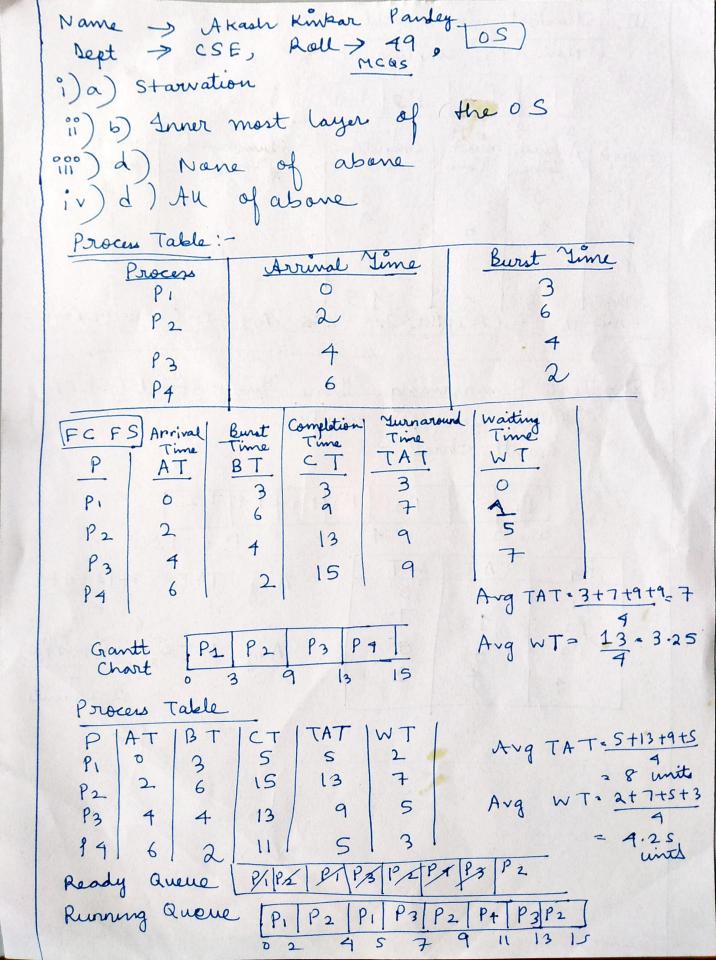
- ii) Kernel is the
 - a) Not a part of the O.S. the O.S.

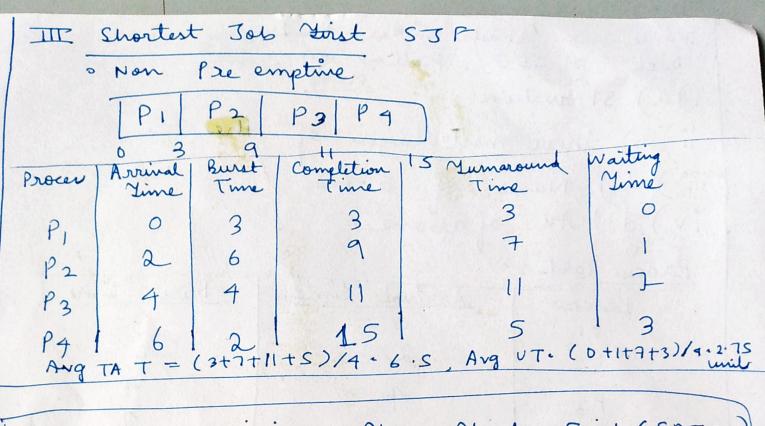
b) Inner most layer of

c) Middle layer of the O.S. the O.S.

- d) Outer most part of
- iii) Which of the following is not true for a time sharing operating sytem?
 - a) The objective is to maximize processor tilization
 - b) The processor time is shared among a number of running processes
 - c) Require a hardware timer to interrupt the processor periodically
 - d) None of the above
- iv) Which of the following is true for a system call?
 - a) It is used to request service from the OS

- b) Automatically sets the processor mode to "supervisor"
- c) It is a software instruction that is executed by a user program
- d) All of the above





Shortest Remaining Jime First (SRTF)

o We use pre emptine

Gantt Chart:

PI PI	P2	P3 P3	[P4]	12
0 2 3	4	6	8 10	15

Per	TAT	WT
0	3	0
71	13	1 7
P 2	A	0
P3	4	2
P4	4	1
P 4		

Avg TAT = (3+13+4+4) = 6 Avg WT = (0+7+0+2) = 2.25 units