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 |
| P3 | 4 | 4 |
| P4 | 6 | 2 |

i) Aging is associated with

a) Starvation b) Deadlock

c) Scheduling d) Paging

ii) Kernel is the

1. Not a part of the O.S. b) Inner most layer of the O.S.

c) Middle layer of the O.S. d) Outer most part of

the O.S.

iii) Which of the following is not true for a time sharing operating sytem?

1. The objective is to maximize processor tilization
2. The processor time is shared among a number of running processes
3. Require a hardware timer to interrupt the processor periodically
4. 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