Started on	Monday, 20 November 2023, 7:47 PM
State	Finished
Completed on	Monday, 20 November 2023, 7:50 PM
Time taken	3 mins 6 secs
Marks	22.00/22.00
Grade	**10.00** out of 10.00 (**100**%)

Question 1

Correct

Mark 1.00 out of 1.00

In priority scheduling process with the same priority or scheduled with the.

- ○ a. Priority scheduling.
- ◉ b. First come first serve. ✔
- ○ c. Round Robin scheduling.
- ○ d. Shortest job. First scheduling.

The correct answer is: First come first serve.

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following is not a state of a process?

- ○ a. Running
- ○ b. New
- ◉ c. Register ✔
- ○ d. Wait

The correct answer is: Register

Question 3

Correct

Mark 1.00 out of 1.00

What is the shortest job first scheduling?

- ○ a. First executes the process that has high priority.
- ○ b. First executes the process that came in first in the Ready queue.
- ◉ c. First executes the process that has the shortest burst time. ✔
- ○ d. First executes the process that came in last in the ready queue.

The correct answer is: First executes the process that has the shortest burst time.

Question 4

Correct

Mark 1.00 out of 1.00

Consider that the following processes with the given CPU burst time and arrival time or scheduled with the priority scheduling method. Consider a smaller priority number as the highest priority(Process with the priority 1 will be scheduled before the process with the priority two if both of them are in the ready queue). What is the Average turn around time.

Process	Arrival Time	Burst Time	Priority
P1	3	2	2
P2	2	4	1
P3	0	6	4
P4	1	4	3

- a. 8.75. ✓

- b. 8.5

- c. 8.15

- d. 8.30

Your answer is correct.

The correct answer is:

8.75.

Question 5

Correct

Mark 1.00 out of 1.00

Consider that the following process with the given CPU burst time and arrival time or scheduled with the priority scheduling method. Consider a smaller priority number as the highest priority(Process with priority 1 Will be scheduled before the process with priority to. If both of them are in the ready queue). What is the average waiting time?

Process	Arrival Time	Burst Time	Priority
P1	3	2	2
P2	2	4	1
P3	0	6	4
P4	1	4	3

○ a. 5.60

○ b. 3.12

◉ c. 4.75 ✓

○ d. 3.80

Your answer is correct.

The correct answer is:
4.75

Question 6

Correct

Mark 1.00 out of 1.00

Consider that the following process with the given CPU burst time and arrival time or scheduled with the round Robin method. Consider time slice = 5. What is the average waiting time?

Process	Arrival Time	Burst Time
P1	0	21
P2	1	3
P3	2	6
P4	3	2

○ a. 6.6

○ b. 9.7

◉ c. 9.5 ✓

○ d. 7.3

Your answer is correct.

The correct answer is:
9.5

Question 7

Correct

Mark 1.00 out of 1.00

Processes with the given CPU burst time and arrival time or scheduled. Consider a smaller priority number of the highest priority (Process with priority one Will be scheduled before the process with the priority two if both of them are in a ready queue). Consider time slice is 5. Find which algorithm leads to the shortest turn around time for the given process.

Process	Arrival Time	Burst Time	Priority
P1	0	21	2
P2	1	3	1
~~P3~~	~~2~~	~~6~~	~~4~~

- a. Priority scheduling.

- b. First come first serve scheduling.

- c. Shortest job. First scheduling.

- ⦿ d. Round Robin scheduling. ✓

Your answer is correct.

The correct answer is:

Round Robin scheduling.

Question 8

Correct

Mark 1.00 out of 1.00

OS selects one of the processes in the wait state to be executed?

Select one:

○ True

⦿ False ✓

The correct answer is 'False'.

Question 9

Correct

Mark 1.00 out of 1.00

When the process issues an IO Request _____

○ a.   It is placed in the ready queue.

◉ b.   It is placed in the waiting queue. ✓

○ c.   It is placed in an IOQ.

The correct answer is: It is placed in the waiting queue.

Question 10

Correct

Mark 1.00 out of 1.00

The process which is ready and waiting to executor kept on a list called.

○ a.   Wait

◉ b.   Ready queue. ✓

○ c.   Running

○ d.   New

Your answer is correct.

The correct answer is:

Ready queue.

Question 11

Correct

Mark 1.00 out of 1.00

Consider that the following process with the given CPU burst time and arrival time or scheduled with the priority scheduling method. Consider a smaller priority number as the highest priority(Process with priority 1 Will be scheduled before the process with priority to. If both of them are in the ready queue). What is the average waiting time?

Process	Arrival Time	Burst Time	Priority
P1	3	2	2
P2	2	4	1
P3	0	6	4
P4	1	4	3

- a. 3
- b. 0 ✓
- c. 10
- d. 6

Your answer is correct.

The correct answer is:
0

Question 12

Correct

Mark 1.00 out of 1.00

Consider that the following processes with the given CPU burst time and arrival time or scheduled with the shortest job first method. What is the turn around time for process P4?

Process	Arrival Time	Burst Time
P1	0	21
P2	1	3
P3	2	6
P4	3	2

○ a. 20 ✓

○ b. 32

○ c. 38

○ d. 35

Your answer is correct.

The correct answer is:
20

Question 13

Correct

Mark 1.00 out of 1.00

Consider that the following process with the given CPU bursting and arrival time or scheduled with the first come first serve method. What is the average waiting time?

Process	Arrival Time	Burst Time
P1	0	25
P2	1	3
P3	2	16
P4	3	2

- ○ a.   27.25 ✓
- ○ b.   25.48
- ○ c.   25.18
- ○ d.   17.25

Your answer is correct.

The correct answer is:
27.25

Question 14

Correct

Mark 1.00 out of 1.00

Consider that the following process with the given CPU burst time and arrival time or scheduled with the Shortest job, first method. What is the average Turn around time.?

Process	Arrival Time	Burst Time
P1	0	21
P2	1	3
P3	2	6
P4	3	2

○ a.   24 ✔

○ b.   16

○ c.   19

○ d.   21

Your answer is correct.

The correct answer is:
24

Question 15

Correct

Mark 1.00 out of 1.00

What is the waiting time?

○ a.   Time at which process completes its execution.

○ b.   The total amount of time spent by the process in the system.

○ c.   Time at which the process arrives in the ready queue.

○ d.   Amount of time spent by a process in the ready queue. ✔

The correct answer is: Amount of time spent by a process in the ready queue.

Question 16

Correct

Mark 1.00 out of 1.00

Consider that the following process with the given CPU burst time and arrival time or scheduled with the round Robin method. Consider time slice = 5. What is the average Turn around time.?

Process	Arrival Time	Burst Time
P1	0	21
P2	1	3
P3	2	6
P4	3	2

○ a.   16.1

○ b.   21.2

○ c.   22.9

◉ d.   17.5 ✓

Your answer is correct.

The correct answer is:
17.5

Question 17

Correct

Mark 1.00 out of 1.00

The total amount of time spent by a process in this system is termed as.

○ a.   Completion time.

○ b.   Response time.

◉ c.   Turn around time. ✓

○ d.   Waiting time.

The correct answer is: Turn around time.

Question 18

Correct

Mark 1.00 out of 1.00

What is interprocess communication?

○ a. Communication between process and CPU.

◉ b. Communication between two processes. ✓

○ c. Communication between process and IO devices.

○ d. Communication between process and operating system.

The correct answer is: Communication between two processes.

Question 19

Correct

Mark 1.00 out of 1.00

Consider that the following processes With the given CPU burst time and arrival time, or scheduled with the shortest job first method, what is the average waiting time?

Process	Arrival Time	Burst Time
P1	0	21
P2	1	3
P3	2	6
P4	3	2

◉ a. 16 ✓

○ b. 18

○ c. 22

○ d. 14

Your answer is correct.

The correct answer is:
16

Question 20

Correct

Mark 1.00 out of 1.00

Consider that the following processes with the given CPU burst time and arrival time or scheduled with the first come first serve method. What is the Average Turn around time?

○ a.   12

○ b.   13.75

○ c.   10.75.

◉ d.   10 ✓

Your answer is correct.

The correct answer is:
10

Question 21

Correct

Mark 1.00 out of 1.00

Consider that the following processes with the given CPU burst time and arrival time or scheduled with the round Robin method. Consider time slice = 3,5,7. Find which time slice leads to the shortest to turn around time for the given process.

Process	Arrival Time	Burst Time
P1	0	8
P2	1	2
P3	2	5
P4	3	7

○ a.   7

◉ b.   5 ✓

○ c.   3

Your answer is correct.

The correct answer is:
5

Question 22

Correct

Mark 1.00 out of 1.00

Consider that the following process with the given CPU burst time and arrival time or scheduled with the round Robin method. Consider time slice = 5. What is the average Turn around time.?

○ a.   21.2

◉ b.   17.5 ✓

○ c.   22.9

○ d.   16.1

Your answer is correct.

The correct answer is:
17.5

f   🐦   ⓟ   in   ⓘ   ▶️