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Started on Wednesday, 4 August 2021, 4:02 PM

State Finished

Completed on Wednesday, 4 August 2021, 4:32 PM

Time taken 29 mins 58 secs

Marks 30.00/30.00

Grade 10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

The problem in priority scheduling is_____

- ☒ a. Starvation
- ☐ b. Low Priority
- ☐ c. Definite blocking



Your answer is correct.

The correct answer is:
Starvation

Question 2

Correct

Mark 1.00 out of 1.00

Which one is non preemptive Scheduling?

- ☐ a. Shortest Job First
- ☒ b. First come first serve
- ☐ c. Round Robin



Your answer is correct.

The correct answer is:
First come first serve

Question 3

Correct

Mark 1.00 out of 1.00

System calls routines of the operating system are mostly written in

- ☐ a. c
- ☒ b. Both a and b
- ☐ c. C++



Your answer is correct.

The correct answer is:
Both a and b

Question 4

Correct

Mark 1.00 out of 1.00

In Shortest Job First Scheduling if the next CPU bursts of two process are the same_____scheduling is used to break the tie

- ☒ a. FCFS
- ☐ b. Priority
- ☐ c. Round Robin



Your answer is correct.

The correct answer is:
FCFS

Question 5

Correct

Mark 1.00 out of 1.00

Which scheduling gives the minimum average waiting time for a given set of processes?

- ☐ a. Round Robin
- ☐ b. Priority
- ☒ c. SJF



Your answer is correct.

The correct answer is:
SJF

Question 6

Correct

Mark 1.00 out of 1.00

Shortest remaining time first scheduling is a version of?

- ☐ a. Non Preemptive SJF
- ☒ b. Preemptive SJF
- ☐ c. Multilevel Queue



Your answer is correct.

The correct answer is:
Preemptive SJF

Question 7

Correct

Mark 1.00 out of 1.00

From the time of submission of a process to the time of completion, the interval is termed as_____

- ☐ a. waiting time
- ☐ b. Response Time
- ☒ c. Turnaround Time



Your answer is correct.

The correct answer is:
Turnaround Time

Question 8

Correct

Mark 1.00 out of 1.00

Control of the CPU to the process selected by the Short term scheduler is assigned by the module _____.

- ☐ a. Interrupt
- ☐ b. Scheduler
- ☒ c. Dispatcher



Your answer is correct.

The correct answer is:
Dispatcher

Question 9

Correct

Mark 1.00 out of 1.00

The switching of the CPU from one process or thread to another is called

- ☐ a. both a and b
- ☒ b. Context switching
- ☐ c. Control Transfer



Your answer is correct.

The correct answer is:
Context switching

Question 10

Correct

Mark 1.00 out of 1.00

CPU performance is measured through _____.

- ☒ a. Throughput
- ☐ b. CPU Burst cycles
- ☐ c. MHZ



Your answer is correct.

The correct answer is:
Throughput**Question 11**

Correct

Mark 1.00 out of 1.00

The problem of Starvation of low priority processes in priority scheduling is solved by_____

- ☒ a. Aging
- ☐ b. Termination of Process
- ☐ c. Suspending Process



Your answer is correct.

The correct answer is:
Aging**Question 12**

Correct

Mark 1.00 out of 1.00

Which of the following is not in Process control block?

- ☒ a. Bootstrap program
- ☐ b. Code
- ☐ c. Stack



Your answer is correct.

The correct answer is:
Bootstrap program

Question 13

Correct

Mark 1.00 out of 1.00

Which of the below is not the state of process?

- ☒ a. Old
- ☐ b. Waiting
- ☐ c. Running



Your answer is correct.

The correct answer is:
Old

Question 14

Correct

Mark 1.00 out of 1.00

The entry of all the PCBs of the current processes is in

- ☐ a. Program Counter
- ☒ b. Process Table
- ☐ c. Process Register



Your answer is correct.

The correct answer is:
Process Table

Question 15

Correct

Mark 1.00 out of 1.00

What is the role of medium term scheduler?

- ☐ a. Selects which process has to brought into the ready queue
- ☐ b. None of the mentioned
- ☒ c. Selects which process to remove from memory by swapping



Your answer is correct.

The correct answer is:

Selects which process to remove from memory by swapping

Question 16

Correct

Mark 1.00 out of 1.00

The process copied into the main memory from the secondary memory is -----

- ☒ a. Demand Paging
- ☐ b. Segmentation
- ☐ c. Paging



Your answer is correct.

The correct answer is:

Demand Paging

Question 17

Correct

Mark 1.00 out of 1.00

Operating System is a system _____ that acts as an intermediary between a user and Computer Hardware

- ☐ a. Middleware
- ☐ b. Hardware
- ☒ c. Software



Your answer is correct.

The correct answer is:
Software

Question 18

Correct

Mark 1.00 out of 1.00

Thread is a

- ☒ a. Light Weight Process
- ☐ b. Depends on the OS
- ☐ c. Heavy Weight Process



Your answer is correct.

The correct answer is:
Light Weight Process

Question 19

Correct

Mark 1.00 out of 1.00

Termination of the process terminates_____

- ☐ a. first thread of the process
- ☐ b. first two threads of the process
- ☒ c. all threads within the process



Your answer is correct.

The correct answer is:
all threads within the process

Question 20

Correct

Mark 1.00 out of 1.00

The time required to create a new thread in an existing process is _____

- ☐ a. equal to the time required to create a new process
- ☐ b. greater than the time required to create a new process
- ☒ c. less than the time required to create a new process



Your answer is correct.

The correct answer is:

less than the time required to create a new process

Question 21

Correct

Mark 1.00 out of 1.00

In a multi – CPU machine , Multithreading

- ☐ a. doesnt affect the concurrency
- ☒ b. Increases concurrency
- ☐ c. affect the concurrency



Your answer is correct.

The correct answer is:

Increases concurrency

Question 22

Correct

Mark 1.00 out of 1.00

The default shell in Unix Os is -----

- ☒ a. bsh
- ☐ b. sh
- ☐ c. csh



Your answer is correct.

The correct answer is:

bsh

Question 23

Correct

Mark 1.00 out of 1.00

The fastest scheduler is _____

- ☐ a. Long-Term Scheduler
- ☒ b. Short-Term Scheduler
- ☐ c. Medium-Term Scheduler



Your answer is correct.

The correct answer is:
Short-Term Scheduler**Question 24**

Correct

Mark 1.00 out of 1.00

Context Switching is part of _____

- ☐ a. Interrupt servicing
- ☒ b. Interrupt Handling
- ☐ c. Polling
- ☐ d. Spooling



Your answer is correct.

The correct answer is:
Interrupt Handling

Question 25

Correct

Mark 1.00 out of 1.00

A process's current activity is represented by

1. Program counter
2. contents of the processors's register
3. stack
4. data section

- ☐ a. 1 , 2 , 3 , 4
- ☐ b. 1
- ☐ c. 1 , 2 , 3
- ☒ d. 1 , 2



Your answer is correct.

The correct answer is:
1 , 2

Question 26

Correct

Mark 1.00 out of 1.00

_____ is a technique by which a device manager keeps the slower I/O devices busy when a process is not requiring I/O operations

- ☐ a. booting
- ☐ b. scheduling
- ☐ c. paging
- ☒ d. buffering



Your answer is correct.

The correct answer is:
buffering

Question 27

Correct

Mark 1.00 out of 1.00

Which helps in managing the hardware devices through the respective drivers _____

- ☐ a. Block device
- ☐ b. memory mapped I/O
- ☒ c. Device management
- ☐ d. Direct Memory Access



Your answer is correct.

The correct answer is:
Device management

Question 28

Correct

Mark 1.00 out of 1.00

The thread is otherwise called as _____

- ☐ a. Heavyweight process
- ☐ b. Passive Entity
- ☒ c. Lightweight process
- ☐ d. Active Entity



Your answer is correct.

The correct answer is:
Lightweight process

Question 29

Correct

Mark 1.00 out of 1.00

Which acts as the interface between the operating system and the user

- ☐ a. system calls
- ☐ b. application
- ☒ d. command interpreter



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Your answer is correct.

The correct answer is:
command interpreter

e-Resources

INFO

Question 30

Correct

Mark 1.00 out of 1.00

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The mapping of many user-level threads to one kernel thread is called _____

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- ☒ a. many-to-one model
- ☐ b. one-to-many model
- ☐ c. many-to-many model
- ☐ d. None of the above



Your answer is correct.

The correct answer is:
many-to-one model

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