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**Started on** Friday, 18 September 2020, 9:03 AM

**State** Finished

**Completed on** Friday, 18 September 2020, 9:29 AM

**Time taken** 25 mins 40 secs

**Marks** 28.00/30.00

**Grade** 9.33 out of 10.00 (93%)

### Question 1

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. Software
- ☐ c. Hardware



Your answer is correct.

The correct answer is:  
Software

### Question 2

Correct

Mark 1.00 out of 1.00

System calls routines of the operating system are mostly written in

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



Your answer is correct.

The correct answer is:  
Both a and b

**Question 3**

Correct

Mark 1.00 out of 1.00

Run time support system is provided by

- ☒ a. system calls interface
- ☐ b. System Program
- ☐ c. Process



Your answer is correct.

The correct answer is:  
system calls interface

**Question 4**

Incorrect

Mark 0.00 out of 1.00

What are the services operating System provides to both the users and to the programs?

- ☐ a. Error Detection
- ☐ b. Program execution
- ☒ c. Resource Allocation



Your answer is incorrect.

The correct answer is:  
Program execution

**Question 5**

Correct

Mark 1.00 out of 1.00

Which of the following is not in Process control block?

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



Your answer is correct.

The correct answer is:  
Bootstrap program

**Question 6**

Correct

Mark 1.00 out of 1.00

The no of processes completed per unit time is

- ☒ a. throughput
- ☐ b. Efficiency
- ☐ c. capacity



Your answer is correct.

The correct answer is:  
throughput

**Question 7**

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 8**

Incorrect

Mark 0.00 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 incorrect.

The correct answer is:  
Process Table

**Question 9**

Correct

Mark 1.00 out of 1.00

What is the role of medium term scheduler?

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



Your answer is correct.

The correct answer is:

Selects which process to remove from memory by swapping

**Question 10**

Correct

Mark 1.00 out of 1.00

The only state transition that is initiated by the user process itself is

- ☒ a. Blocked
- ☐ b. Wakeup
- ☐ c. Dispatch



Your answer is correct.

The correct answer is:

Blocked

**Question 11**

Correct

Mark 1.00 out of 1.00

Thread is a

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



Your answer is correct.

The correct answer is:  
Light Weight Process

**Question 12**

Correct

Mark 1.00 out of 1.00

If one thread opens a file with read privileges then \_\_\_\_\_

- ☐ a. other threads in the another process can also read from that file
- ☒ b. other threads in the same process can also read from that file
- ☐ c. any other thread can not read from that file



Your answer is correct.

The correct answer is:  
other threads in the same process can also read from that file

**Question 13**

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 14**

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 15**

Correct

Mark 1.00 out of 1.00

In a multi – CPU machine , Multithreading

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



Your answer is correct.

The correct answer is:  
Increases concurrency

**Question 16**

Correct

Mark 1.00 out of 1.00

The processes which are blocked due to unavailability of an I/O device constitute

- ☐ a. Process Scheduling Queues
- ☐ b. Ready Queues
- ☒ c. Device Queues



Your answer is correct.

The correct answer is:  
Device Queues



**Question 17**

Correct

Mark 1.00 out of 1.00

When the suspended process is moved to the secondary storage, it is\_\_\_\_\_

- ☐ a. Process mix
- ☒ b. Swapping
- ☐ c. Transfer



Your answer is correct.

The correct answer is:  
Swapping

**Question 18**

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 19**

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 20**

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 21**

Correct

Mark 1.00 out of 1.00

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

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



Your answer is correct.

The correct answer is:  
SJF

**Question 22**

Correct

Mark 1.00 out of 1.00

Shortest remaining time first scheduling is a version of?

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



Your answer is correct.

The correct answer is:  
Preemptive SJF

**Question 23**

Correct

Mark 1.00 out of 1.00

In multilevel feedback queue scheduling,

- ☐ a. processes are not classified into groups
- ☒ b. a process can move to a different classified ready queue...
- ☐ c. classification of the ready queue is permanent



Your answer is correct.

The correct answer is:

a process can move to a different classified ready queue...

**Question 24**

Correct

Mark 1.00 out of 1.00

Time quantum is set for\_\_\_\_\_

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



Your answer is correct.

The correct answer is:

Round Robin

**Question 25**

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. Turnaround Time
- ☐ c. Response Time



Your answer is correct.

The correct answer is:  
Turnaround Time

**Question 26**

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

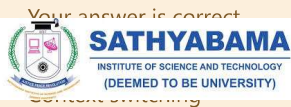
**Question 27**

Correct

Mark 1.00 out of 1.00

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

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



Your answer is correct.

Sathyabama Learning Management System ~Developed by [Cognibot](#)**Question 28**

Correct

Mark 1.00 out of 1.00

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The problem in priority scheduling is\_\_\_\_\_

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

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Your answer is correct.

The correct answer is:  
Starvation

**Question 29**

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 30**

Correct

Mark 1.00 out of 1.00

The problem of Starvation of low priority processes in priority scheduling is solved by\_\_\_\_\_

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



Your answer is correct.

The correct answer is:  
Aging[◀ CPU SCHEDULING-Dr.P.S.Maran](#)

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