

CPOS CCEE Mock Test1

Total points 10/40 ?

0 of 0 points

PRN *

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MCQ

10 of 40 points



✓ `class Exam{`
 `public static void main(String abc[]){`
 `int x =10;`
 `int y= 15;`

 `if(x++ >10 && -y>10){`

 `}`
 `System.out.print(x+","+y);`

 `if(x++>10 && -y>10){`
 `}`
 `System.out.print(x+","+y);`
 `}`
}

1/1

- ☐ 11,15 11,14
- ☒ 11,15 12,14
- ☐ 10,15 12,14
- ☐ 11,14 11.15

✓

✗ which of the following signals cannot be blocked ignored and caught

0/1

- ☒ SIGINT SIGSTOP
- ☐ SIGINT SIGKILL
- ☐ SIGINT SIGILL
- ☐ SIGKILL SIGSTOP

✗

Correct answer

- ☒ SIGKILL SIGSTOP



✗ The following is not a form of IPC *

0/1

- ☒ Semaphore
- ☐ Pipe
- ☐ Shared memory
- ☐ Buffering

✗

Correct answer

- ☒ Buffering

✗ Scheduling of threads are done by _____. *

0/1

- ☒ Input
- ☐ Output
- ☐ Operating System
- ☐ Main Memory

✗

Correct answer

- ☒ Operating System



✗ The FCFS algorithm is particularly troublesome for _____ *

0/1

- ☒ operating systems
- ☐ multiprocessor systems
- ☐ time sharing systems
- ☐ multiprogramming systems

✗

Correct answer

- ☒ time sharing systems

✗ To successfully compile a source code file that contains public class test *0/1
which
of the following must be true?

- ☒ It must import java.lang
- ☐ It must have a package statement
- ☐ It must declare a public class named test.
- ☐ It must be named test.java

✗

Correct answer

- ☒ It must be named test.java



✗ What is the output of the below Java program? *

0/1

```
int a=1;
while(a<5)
{
System.out.print(a + " ");
a++;
}
```

☒ Compile time error

✗

☐ 1 2 3 4

☐ 1 2 3 4 5

☐ 1 2 3

Correct answer

☒ 1 2 3 4

✗ which is not necessary condition for deadlock

0/1

☒ mutual exclusion

✗

☐ circular wait

☐ no preemption

☐ none of them

Correct answer

☒ none of them



✗ Which command is used to display all the files including hidden files in your current and its subdirectories ? *0/1

☒ ls -aR

✗

☐ ls -a

☐ ls -R

☐ ls -l

Correct answer

☒ ls -a

✗ If a process fails, most operating system write the error information to a *0/1

☒ new file

✗

☐ another running process

☐ log file

☐ none of the mentioned

Correct answer

☒ log file



✗ If the CPU is Executing any operating system instructions,the machine is said to be in _____mode *0/1

- ☒ I/O
- ☐ Suspended
- ☐ System
- ☐ User

✗

Correct answer

- ☒ System

✗ The CPU utilization is low when the system is _____.

0/1

- ☒ Timesharing
- ☐ Thrashing
- ☐ Multiprocessing
- ☐ None of the above.

✗

Correct answer

- ☒ Thrashing



✓ The command used to display long listing of file is

1/1

- ☒ ls -l
- ☐ ls -a
- ☐ ls -t
- ☐ ls -r



✗ What is the valid way to initialize an array is

.../1

- ☐ int arr [] = { "10", "12", "14"};
- ☐ int [] arr = (1,2,3);
- ☒ int arr [] [] = {1,2,3,4};
- ☐ int arr [] = { 1, 2, 3, 4 };



No correct answers



✗ As a part of paging technique, a physical memory is broken into fixed size *0/1 blocks called as.....

- ☒ Pages
- ☐ Frames
- ☐ Blocks
- ☐ Segments

✗

Correct answer

- ☒ Frames



1/1

```
class Fun{
    int x;

    public static void main(String args[ ]){
        int y =10;
        Fun A = new Fun();
        System.out.println(A.x+" "+y);

    }

}
```

- ☐ compile time error
- ☒ 0, 10
- ☐ 10
- ☐ None of the above

✓



✗ Which one of the following is not true? *

0/1

- ☐ kernel remains in the memory during the entire computer session
- ☐ kernel is made of various modules which can not be loaded in running operating system
- ☒ kernel is the first part of the operating system to load into memory during booting ✗
- ☐ kernel is the program that constitutes the central core of the operating system

Correct answer

- ☒ kernel is made of various modules which can not be loaded in running operating system

✗ Which of the following variable needs to be initialized before using it ?

0/1

- ☐ Local
- ☐ Static
- ☒ Global ✗
- ☐ Instance

Correct answer

- ☒ Local



✓ SJF algorithm is done for *

1/1

- ☒ Process having less CPU burst
- ☐ Process which request the CPU first
- ☐ Process with low priority
- ☐ Process having high I/O burst



✓ In _____ the memory chunks are of same size ,where as in _____ they can be of different sizes. 1/1

- ☒ Paging and Segmentation
- ☐ Segmentation and Paging
- ☐ Contiguos and Non-contiguos
- ☐ Non-contiguos and Contiguos



✗ Which of the following for loop declaration is not valid? *

0/1

- ☒ for (int i = 20; i >= 2; --i)
- ☐ for (int i = 2; i <= 20; i = 2* i)
- ☐ for (int i = 99; i >= 0; i / 9)
- ☐ for (int i = 7; i <= 77; i += 7)



Correct answer

- ☒ for (int i = 99; i >= 0; i / 9)



✗ In Operating Systems, which of the following is/are CPU scheduling algorithms?

*0/1

- ☒ Priority
- ☐ Round Robin
- ☐ Shortest Job First
- ☐ All of the mentioned

✗

Correct answer

- ☒ All of the mentioned

✗ In real time operating system _____

0/1

- ☐ process scheduling can be done only once
- ☐ all processes have the same priority
- ☒ kernel is not required
- ☐ a task must be serviced by its deadline period

✗

Correct answer

- ☒ a task must be serviced by its deadline period



✗ Select appropriate option for Semaphores *

0/1

- ☐ Deals with Inter process communication
- ☐ Priority based scheduling
- ☒ Heuristic Scheduling
- ☐ Threading based scheduling

✗

Correct answer

- ☒ Deals with Inter process communication

✗

0/1

The No.of processes running simultaneously and competing for CPU is known as the degree of _____

- ☐ Multithreading
- ☒ Multiprocessing
- ☐ Multiprogramming
- ☐ Multicasting

✗

Correct answer

- ☒ Multiprogramming



✗ A deadlock avoidance algorithm dynamically examines the _____ to ensure that a circular wait condition can never exist. *0/1

- ☐ operating system
- ☒ resources
- ☐ system storage state
- ☐ resource allocation state

✗

Correct answer

- ☒ resource allocation state

✓ Virtual memory is _____. *

1/1

- ☐ An extremely large main memory
- ☐ An extremely large secondary memory
- ☒ An illusion of extremely large main memory
- ☐ A type of memory used in super computers.

✓

✓ which of the following represent legal flow control statements?

1/1

- ☐ Continue(inner);
- ☐ break();
- ☒ break;
- ☐ exit();

✓



✗ Which of these is not a bitwise operator?

0/1

- ☐ &
- ☒ &=
- ☐ |=
- ☐ <=

✗

Correct answer

- ☒ <=

✓ What value is returned by fork() system call on a successful creation of child process to child process

1/1

- ☒ 0
- ☐ 1
- ☐ -1
- ☐ PID of the parent process

✓



✗ What is output of following code

0/1

```
public class test {  
    static int x;  
    int y;  
    public static void main (String [] arg){  
        test o = new test();  
        System.out.print(x);  
    }  
  
}
```

- ☐ Compiler error
- ☐ 0
- ☐ null
- ☒ None of the above

✗

Correct answer

- ☒ 0

✗ Which of the following is not TRUE?

0/1

- ☐ Processes may send each other signals
- ☒ Kernel may send signals internally
- ☐ A field is updated in the signal table when the signal is sent
- ☐ Each signal is maintained by a single bit

✗

Correct answer

- ☒ A field is updated in the signal table when the signal is sent



✗ Command used to determine the path of an executable file is *

0/1

- ☐ which
- ☒ where
- ☐ wexec
- ☐ what

✗

Correct answer

- ☒ which

✗ Select appropriate option for Round Robin Policy

0/1

- ☐ Heuristic Scheduling
- ☒ Priority Based Sceduling
- ☐ Scheduling Algorithm specially for the time sharing system
- ☐ Threaded Based Policy

✗

Correct answer

- ☒ Scheduling Algorithm specially for the time sharing system



✗ ps -e command displays

0/1

- ☐ Process which are running
- ☒ Process which are finished
- ☐ All process
- ☐ None of the above

✗

Correct answer

- ☒ All process

✓ Which command creates an empty file if file does not exist? *

1/1

- ☐ cat
- ☒ touch
- ☐ ed
- ☐ read

✓



✗ Which commands will give you information about how much disk space each file in the current directory uses? 0/1

- ☐ ls -l
- ☒ ls -la
- ☐ du
- ☐ ls -a

✗

Correct answer

- ☒ du

✗ When a process is in a "Blocked" state waiting for some I/O service. When the service is completed, it goes to the _____ *0/1

- ☒ Terminated state
- ☐ Suspended state
- ☐ Running state
- ☐ Ready state

✗

Correct answer

- ☒ Ready state



✗ The section of code which accesses shared variables is called as

0/1

- ☒ Block V
- ☐ Mutex
- ☐ Critical section
- ☐ Semaphore

✗

Correct answer

- ☒ Critical section

✓ Round robin is_____?

1/1

- ☒ preepmtive
- ☐ non-preemptive
- ☐ both of them
- ☐ none of them

✓

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