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Question 17
Not yet answered
Marked out of 1.0
Flag question

Consider the following C program.

```
// Assume variables i and pid, and constant N have been properly defined, and/or initialized and there is no syntax error.

int main () {
    for(i=0; i<N; i++) {
        pid=fork ();
    }
}
```

$$2^N - 1 = 2^5 - 1 = 32 - 1 = 31$$

For $N=5$, How many child processes are created when the program is executed?

Select one:

a. 31

b. 32

c. 16

d. 15

e. None of the above

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Question 20
Not yet answered
Marked out of 1.0
Flag question

In Unix, Which system call creates the new process?

Select one:

a. fork

b. create

c. new

d. none of the mentioned

Finish attempt ...

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How many processes are created from the following C program

```
#include <stdio.h>
int main()
{
    for(int i=0;i<10;i++){
        int pid = fork();
        if(pid == 0){
            printf("child\n");
            return 0;
        }
        else{
            printf("parent\n");
        }
    }
}
```

Answer: $2^{10} = 1024$

1024

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Question 12
Not yet answered
Marked out of 1.0
 Flag question

Consider the following statements and select the most appropriate answer

A) Synchronization is sharing system resources in a way that concurrent processes share a common memory space.
B) The synchronization problem arise in processes.

Select one:

- a. Both statements are true
- b. Both statements are not true
- c. Statement B is true
- d. Statement A is true

Next

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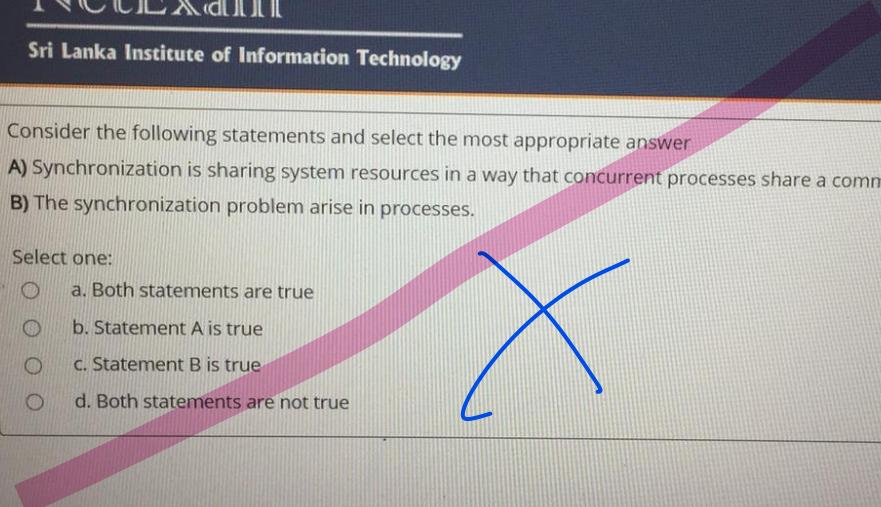
Consider the following statements and select the most appropriate answer

A) Synchronization is sharing system resources in a way that concurrent processes share a common memory space.
B) The synchronization problem arise in processes.

Select one:

a. Both statements are true
 b. Statement A is true
 c. Statement B is true
 d. Both statements are not true

Finish



on 16
16 answered
16 out of 1.0
g question

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A process can be terminated due to

Select one:

a. Normal exit
 b. Fatal error *fatal*
 c. Killed by another process
 d. All of the above

What is interprocess communication?

Select one:

- a. communication within the process
- b. communication between two process
- c. communication between two threads of same process
- d. none of the mentioned

3

Answered
of 1.0
Question

Choose the correct statement

Select one:



- a. Program is a process in execution
- b. Stack of a given process contains the global variables
- c. *Program Code* of a process is also known as the *Data Section*
- d. Program becomes a process when executable file is loaded into main memory

Consider the following C program.

// Assume variables *i* and *pid*, and constant *N* have been properly defined, and/or initialized and there is no syntax error.

```
int main ()  
{  
    for(i =0; i < N; i++) {  
        pid=fork();  
    }  
}
```

For *N*=5, How many child processes are created when the program is executed?

Select one:

- a. 31
- b. 32
- c. 16
- d. 15
- e. None of the above

[Next page](#)



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10

answered

out of 1.0

question

Which one of the following error will be handled by the operating system?

Select one:

- a. lack of paper in printer
- b. connection failure in the network
- c. Inefficent use of resources
- d. all of the above

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Instead of starting a new thread for each task to execute concurrently, the task can be passed to _____.

Select one:

- a. a process
- b. a thread pool
- c. a thread queue
- d. None of these

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Question 13
Not yet answered
Marked out of 1.0
Flag question

Choose the correct statement

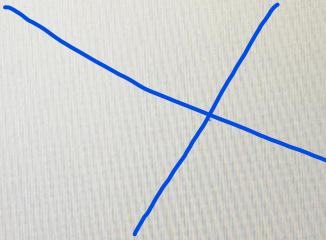
Select one:

- a. Program becomes a process when executable file is loaded into main memory
- b. Stack of a given process contains the global variables
- c. Program is a process in execution
- d. Program code of a process is also known as the Data Section

An un-interruptible unit is known as

Select one:

- a. Single
- b. Atomic
- c. Static
- d. None of these



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Select the correct number of processes created by the following code

```
#include <stdio.h>
int main()
{
    fork();
    fork();
    fork();
    fork();
    printf("hello\n");
    return 0;
}
```

Select one:

- a. 5 child processes
- b. 4 child processes and 1 parent process
- c. 15 child processes and 1 parent process
- d. 16 child processes

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Question 10
Not yet answered
Marked out of 1.0

What is the purpose of the **dual-mode operation**?

Select one:

- a. Set an interrupt after specific period
- b. A system call changes mode to kernel, return from call resets it to user
- c. Provides ability to distinguish when system is running user code or kernel code
- d. Allows OS to protect it-self and other system components

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stion

Storage systems organized in a hierarchy are,

Select one:

- a. Registers, Speed, Cost
- b. Cost, Volatility, Caching
- c. Caching, I/O handling, Speed
- d. Speed, Cost, Volatility

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1 of 1.0 question

RPC provides a(an) ____ on the client side, a separate one for each remote procedure.

Select one:

- a. identifier
- b. process identifier
- c. name
- d. stub

[Next page](#)

Quiz navigation

Finish attempt ...
Time left 0:28:00

1	2	3	4
8	9	10	11
15	16	17	18

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0 of 0 questions

For real time operating systems, interrupt latency should be

Select one:

- a. minimal
- b. zero
- c. dependent on the scheduling
- d. maximum

[Next page](#)

Quiz navigation

Finish attempt ...
Time left

15	1
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stion

Consider the following C program and select the correct output

```
#include <stdio.h>

int value = 120;
int main()
{
    int pid;
    pid=fork();

    if(pid==0){
        value=value+20;
        printf("Child: value = %d\n",value);
    }

    else{
        value=value-20;
        printf("Parent: value = %d\n",value);
    }
}
```

Select one:

a. Child: value = 140
Parent: value = 120

b. Child: value = 140
Parent: value = 100

c. The answer cannot be obtained from the available information

d. Child: value = 120
Parent: value = 100

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Question 9
Not yet answered
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Flag question

For real time operating systems, interrupt latency should be

Select one:

- a. zero
- b. maximum
- c. minimal
- d. dependent on the scheduling

A large blue 'X' is drawn over the question area. A blue arrow points upwards from the bottom right towards the question text.

on 12
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g question

Consider the following C program.

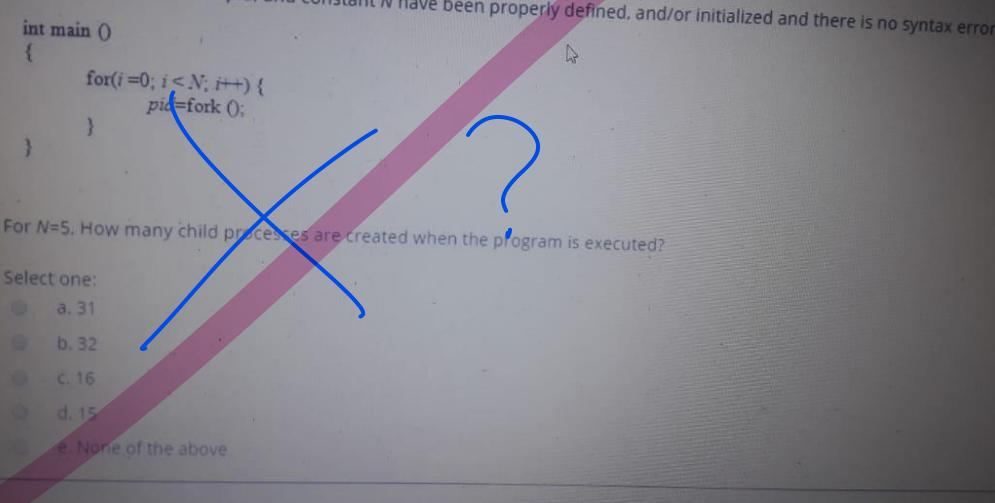
// Assume variables *i* and *pid*, and constant *N* have been properly defined, and/or initialized and there is no syntax error.

```
int main () {
    for(i=0; i < N; i++) {
        pid=fork ();
    }
}
```

For *N*=5, How many child processes are created when the program is executed?

Select one:

- a. 31
- b. 32
- c. 16
- d. 15
- e. None of the above





In a computer system structure, what links the User Interface and OS Services?

Select one:

- a. I/O operations
- b. System calls
- c. Interrupt Service Routines (ISRs)
- d. Communication policies

4
Answered
out of 1.0
Question

Given the following set of processes with their arrival times and burst times.

Process	Arrival time in milliseconds	Burst time in milliseconds
A	0	8
B	1	3
C	5	2
D	7	3

Use round-robin (quantum = 3 milliseconds) scheduling considering the context switching time as 0.2 milliseconds.

Compute the average waiting time.

Select one:

- a. 5.51ms
- b. 5.15ms
- c. 20.6ms
- d. 9.0ms
- e. 4.8ms

X C

The most optimal scheduling algorithm is

Select one:

- a. FCFS – First come First served
- b. SJF – Shortest Job First
- c. RR – Round Robin
- d. None of these

What is the function of the long-term scheduler ?

Select one:

- a. It selects which process has to be brought into the ready queue
- b. It selects which process has to be executed next and allocates CPU
- c. It selects which process to remove from memory by swapping
- d. None of these

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Attributes of a thread are,

Select one:

- a. Program Counter (PC), ID, Stack, CPU Registers
- b. Program Counter (PC), Heap, Stack, CPU Registers
- c. Program Counter (PC), ID, Stack, Text Section
- d. Program Counter (PC), ID, Stack, Data Section

◀

Given the following set of processes with their arrival times and burst times.

Process	Arrival time in milliseconds	Burst time in milliseconds
A	0	7
B	2	5
C	4	2
D	5	5

Apply round-robin (quantum = 3 milliseconds) scheduling considering the context switching time as 0.1 milliseconds.

Compute the average waiting time.



Select one:

- a. 35.1 ms
- b. 35.21ms
- c. 8.67ms
- d. 8.77ms
- e. 7.775

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Which one of the following cannot be scheduled by the kernel?

Select one:

- a. Kernel level thread
- b. User level thread
- c. Process
- d. None of the mentioned





Question 8

Not yet answered

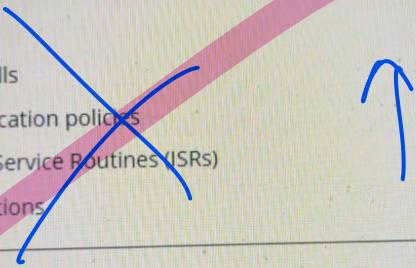
Marked out of 1.0

Flag question

In a computer system structure, what links the **User Interface** and **OS Services**?

Select one:

- a. System calls
- b. Communication policies
- c. Interrupt Service Routines (ISRs)
- d. I/O operations



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Consider the following C program.

```
// Assume variables i and pid, and constant N have been properly defined, and/or initialized and there is no syntax error.

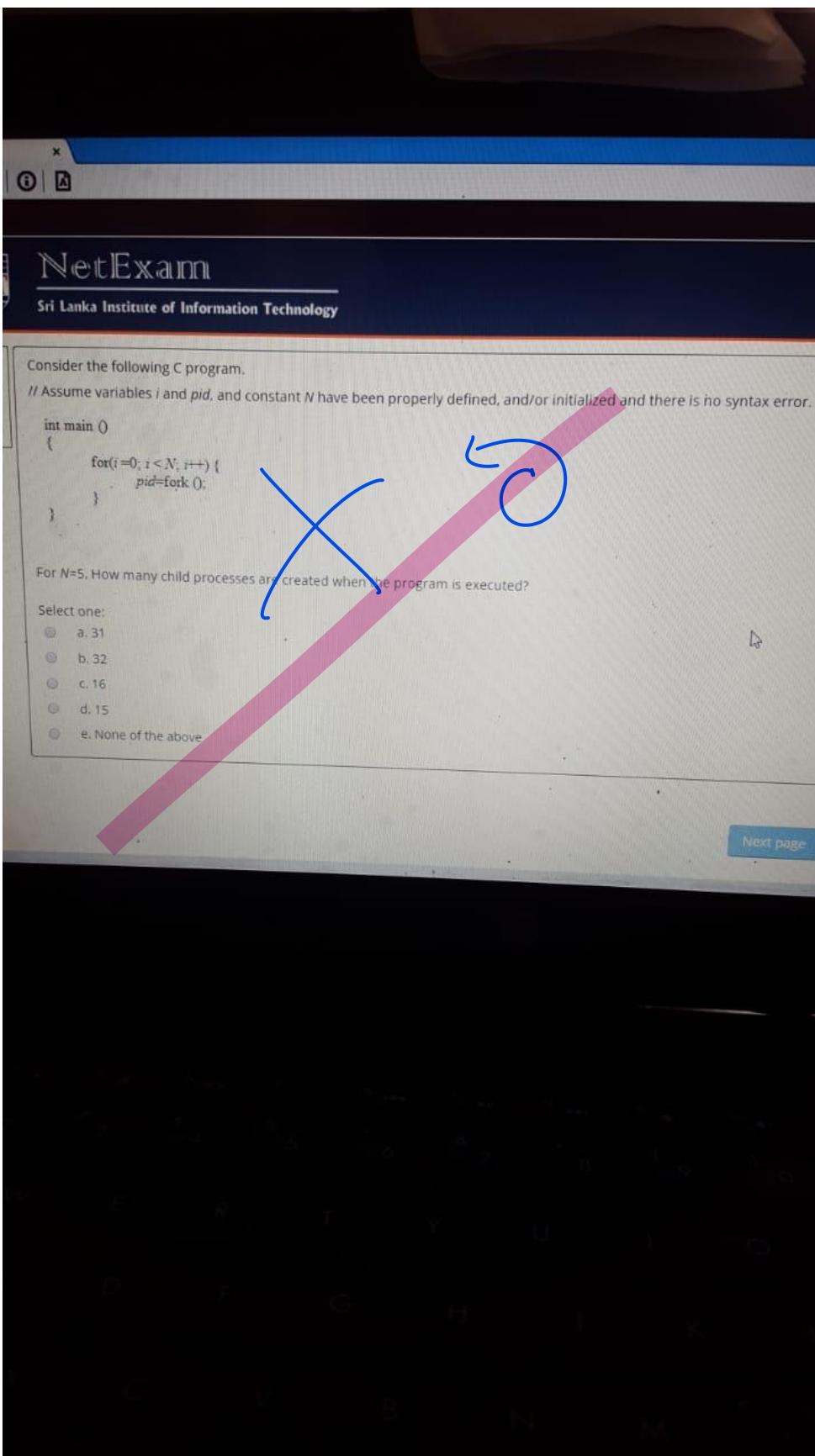
int main () {
    for(i=0; i < N; i++) {
        pid=fork();
    }
}
```

For $N=5$, How many child processes are created when the program is executed?

Select one:

- a. 31
- b. 32
- c. 16
- d. 15
- e. None of the above

Next page





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In priority scheduling algorithm, when a process arrives at the ready queue, its priority is compared with the priority of

Select one:

- a. All processes
- b. Currently running process
- c. Init process
- d. Parent process



Flag question

Score of 1.0

Consider the following statements and select the most appropriate answer
A) Synchronization is sharing system resources in a way that concurrent processes
B) The synchronization problem arise in processes.

- Select one:
- a. Statement B is true
 - b. Both statements are not true
 - c. Both statements are true
 - d. Statement A is true



X
9

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Which of the following system call transforms executable binary file into a process?

Select one:

- a. system()
- b. getpid()
- c. fork()
- d. exec() → exec()

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4
Answered
of 1.0
Question

In priority scheduling algorithm, when a process arrives at the ready queue, its priority is compared with the priority of

Select one:

- a. All processes
- b. Parent process
- c. Init process
- d. Currently running process

Next page



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Question 14

Not yet answered

Marked out of 1.0

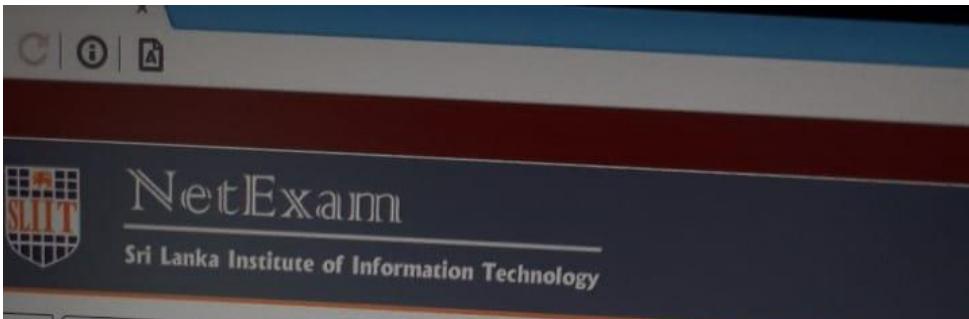
Flag question

RPC provides a(an) ____ on the client side, a separate one for each remote procedure.

Select one:

- a. process identifier
- b. name
- c. identifier
- d. stub

X

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Which one of the following error will be handled by the operating system?

Select one:

- a. lack of paper in printer
- b. connection failure in the network
- c. Inefficent use of resouces
- d. all of the above





Consider the following C program and select the correct output

```
#include <stdio.h>

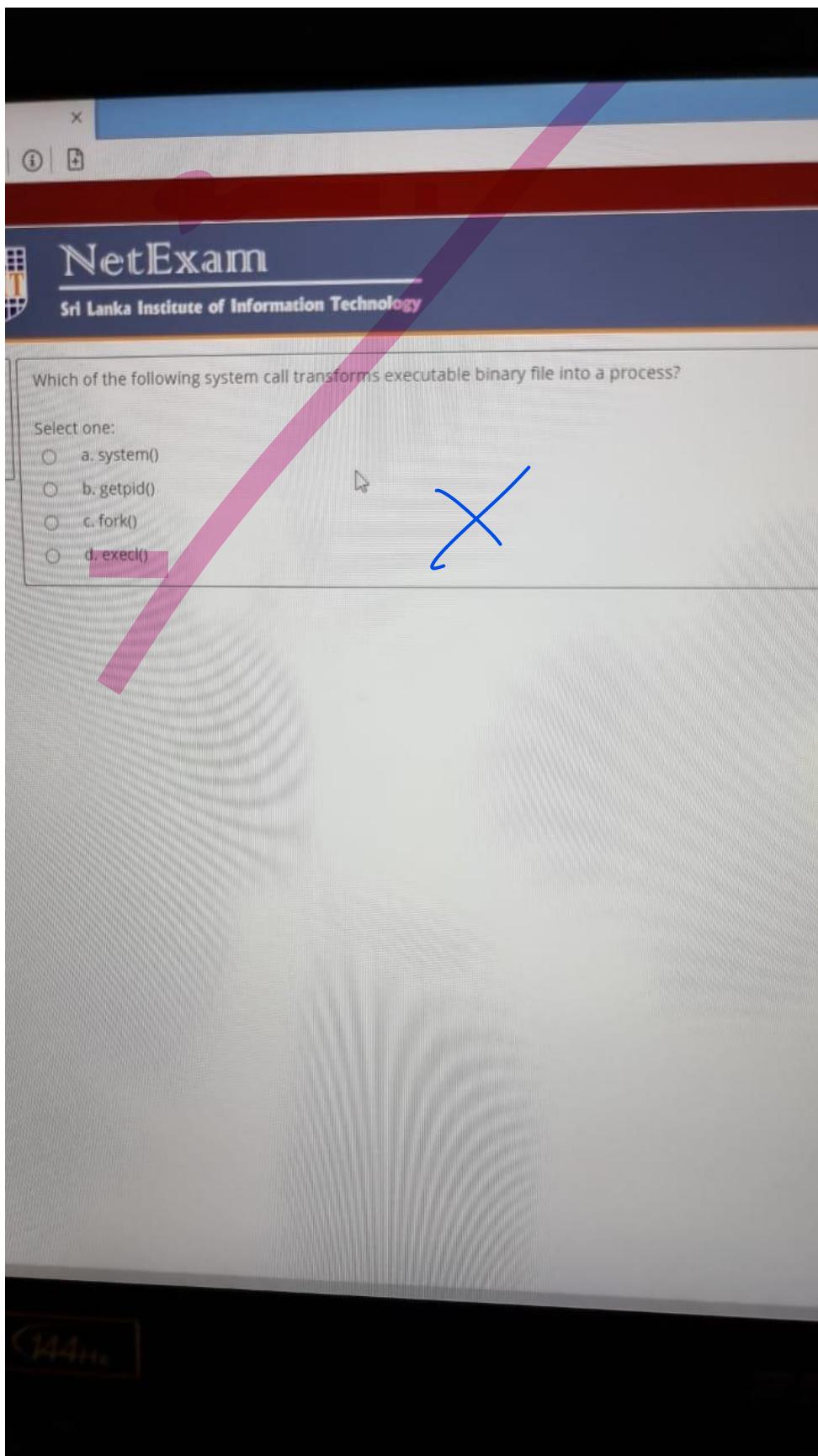
int value = 120;
int main()
{
    int pid;
    pid=fork();
    if(pid==0){
        value=value+20;
        printf("Child: value = %d\n",value);
    }
    else{
        value=value-20;
        printf("Parent: value = %d\n",value);
    }
}
```

Select one:

- a. The answer cannot be obtained from the available information
- b. Child: value = 140
Parent: value = 120
- c. Child: value = 140
Parent: value = 100
- d. Child: value = 120
Parent: value = 100

X

Next page



6

Answered
of 1.0
Question

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Select the correct number of processes created by the following code

```
#include <stdio.h>
int main()
{
    fork();
    fork();
    fork();
    fork();
    printf("hello\n");
    return 0;
}
```

Select one:

- a. 4 child processes and 1 parent process
- b. 5 child processes
- c. 15 child processes and 1 parent process
- d. 16 child processes

X

Select the most appropriate answer by considering the following C program:

```
#include<stdio.h>
#include<unistd.h>

int main(){
    int pid = fork();

    if(pid==0)
        printf("Hello\n");

    else
        sleep(100);

    return 0;
}
```

Select one:

- a. A never ending loop
- b. None of the above
- c. A zombie process
- d. An orphan process

Select the most appropriate answer by considering the following C program

```
#include<stdio.h>
#include<unistd.h>
```

```
int main(){
    int pid = fork();

    if(pid==0)
        printf("Hello\n");
    else
        sleep(100);

    return 0;
}
```

Select one:

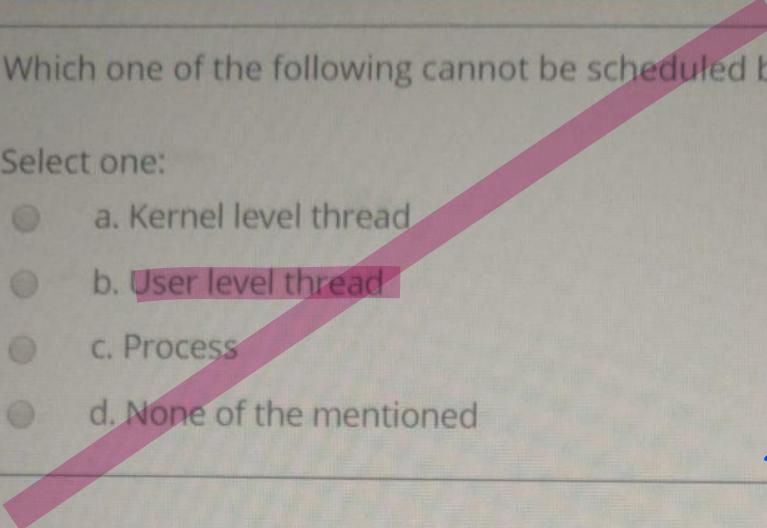
- a. None of the above
- b. A never ending loop
- c. An orphan process
- d. A zombie process

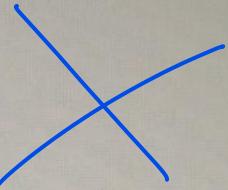
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Which one of the following cannot be scheduled by the kernel?

Select one:

- a. Kernel level thread
- b. User level thread
- c. Process
- d. None of the mentioned





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Choose the correct statement

Select one:

- a. Ready Queue contains all the processes in the system which are newly created
- b. Long-term scheduler selects which process should be sent out from the ready queue to the CPU
- c. Short-term scheduler is invoked very frequently
- d. CPU-bound process spends more time doing computations; therefore it's having many CPU bursts



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it of 1.0
question

What is the function of the short-term scheduler?

Select one:

- a. It selects which process has to be brought into the ready queue
- b. It selects which process has to be executed next and allocates CPU
- c. It selects which process to remove from memory by swapping next
- d. All of the above

tion 2
et answered
ed out of 1.0
ng question

If all processes are I/O bound, the ready queue will almost always be _____, and the Short term Scheduler will have a _____ to do.

Select one:

- a. empty,little
- b. empty,lot
- c. full,lot
- d. full,little

Next page

**Question 1**

Not yet answered

Marked out of 1.0

 Flag question

Attributes of a thread are,

Select one:

- a. Program Counter (PC), Heap, Stack, CPU Registers
- b. Program Counter (PC), ID, Stack, Text Section
- c. Program Counter (PC), ID, Stack, Data Section
- d. Program Counter (PC), ID, Stack, CPU Registers

[Next page](#)

Given the following set of processes with their arrival times and burst times, compute the average waiting time for processes for the round-robin (quantum = 3) scheduling.

Process	Arrival time	Burst time
A	0	8
B	1	5
C	5	2
D	8	1

Select one:

- a. 8 seconds
- b. 4 seconds
- c. 6 seconds
- d. 24 seconds
- e. None of the above

Switching the CPU to another Process requires to save state of the old process and loading new process state is called as

Select one:

- a. Process Blocking
- b. Context Switch
- c. Time Sharing
- d. Process loading
- e. None of the above

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Question 1
Not yet answered
Marked out of 1.0
Flag question

Attributes of a thread are,

Select one:

- a. Program Counter (PC), ID, Stack, Data Section
- b. Program Counter (PC), ID, Stack, Text Section
- c. Program Counter (PC), Heap, Stack, CPU Registers
- d. Program Counter (PC), ID, Stack, CPU Registers



Answer
out of 1.0
Question

Given the following set of processes with their arrival times and burst times.

Process	Arrival time in milliseconds	Burst time in milliseconds
A	0	8
B	1	3
C	5	2
D	7	3

Use round-robin (quantum = 3 milliseconds) scheduling considering the context switching time as 0.2 milliseconds.

Compute the average waiting time.

Select one:

- a. 5.51ms
- b. 5.15ms
- c. 20.6ms
- d. 9.0ms
- e. 4.8ms

X ↪

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Question 3
Not yet answered
Marked out of 1.0
Flag question

Select the most correct average turnaround time for preemptive shortest job first scheduling.

Process	Arrival time	Burst time
A	0	7
B	1	3
C	5	2
D	7	2

Select one:

- a. 5.75 seconds
- b. 5.25 seconds
- c. 5.5 seconds
- d. 5 seconds

X O

Next page

Given the following set of processes with their arrival times and burst times,

Process	Arrival time	Burst time
A	0	8
B	1	5
C	5	2
D	8	1

Select one:

- a. 8 seconds
- b. 4 seconds
- c. 6 seconds
- d. 24 seconds
- e. None of the above

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x C | ① | A



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If all processes are I/O bound, the ready queue will almost always be _____, and the Short term Scheduler will have a _____ to do.

Select one:

- a. empty,little
- b. full,little
- c. empty,lot
- d. full,load

✓

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Question 2
Not yet answered
Marked out of 1.0
 Flag question

Select the most correct average turnaround time for preemptive shortest job first scheduling.

Process	Arrival time	Burst time
A	0	7
B	1	3
C	5	2
D	7	2

Select one:

- a. 5.75 seconds
- b. 5.25 seconds
- c. 5.5 seconds
- d. 5 seconds

X C

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5
answered
out of 1.0
question

Consider the following set of processes with their arrival time, priority, and burst time. If the preemptive priority scheduling algorithm (smaller integer has higher priority) is used, compute the average waiting time.

Processes	Arrival Time	Priority	Burst Time
A	0	3	6
B	2	2	4
C	5	2	2
D	7	1	4

Select one:

- a. 3 seconds
- b. 3.75 seconds
- c. 4 seconds
- d. 4.45 seconds
- e. None of the above

A → 10
 B → 0
 C → 1 + 4 = 5
 D → 0
 A.w.d = $\frac{15}{4} = 3.75$

A B C D C A

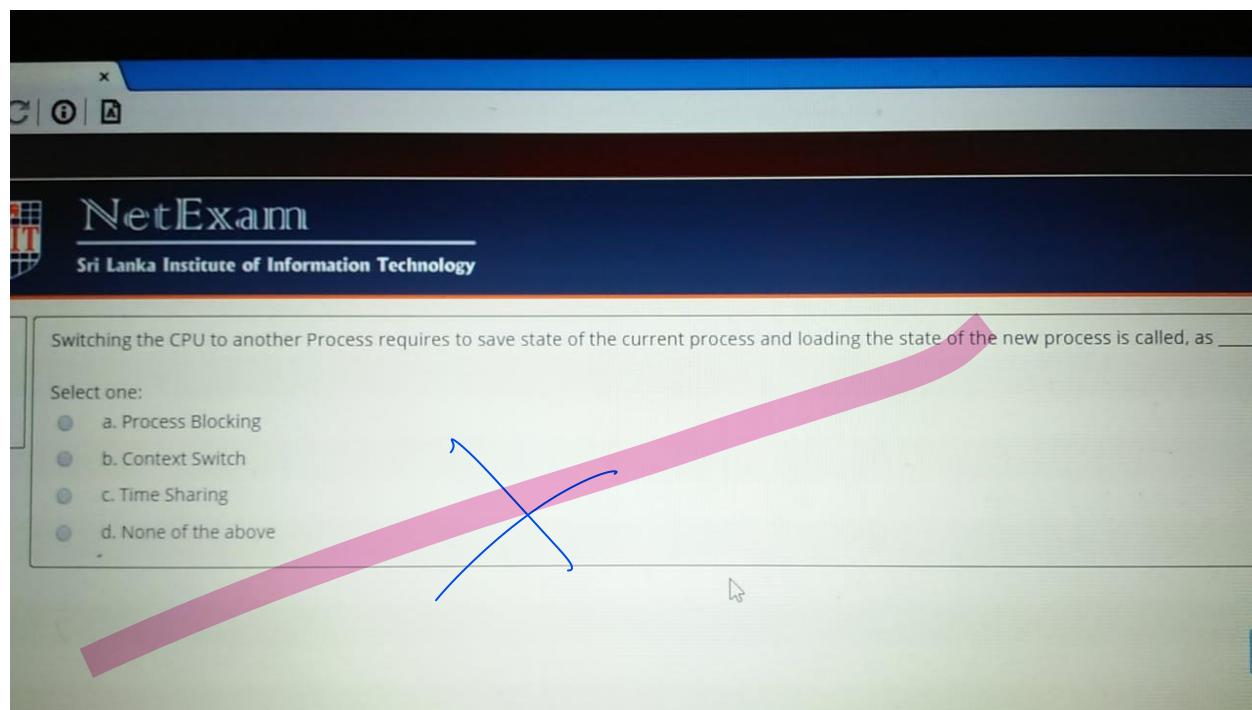
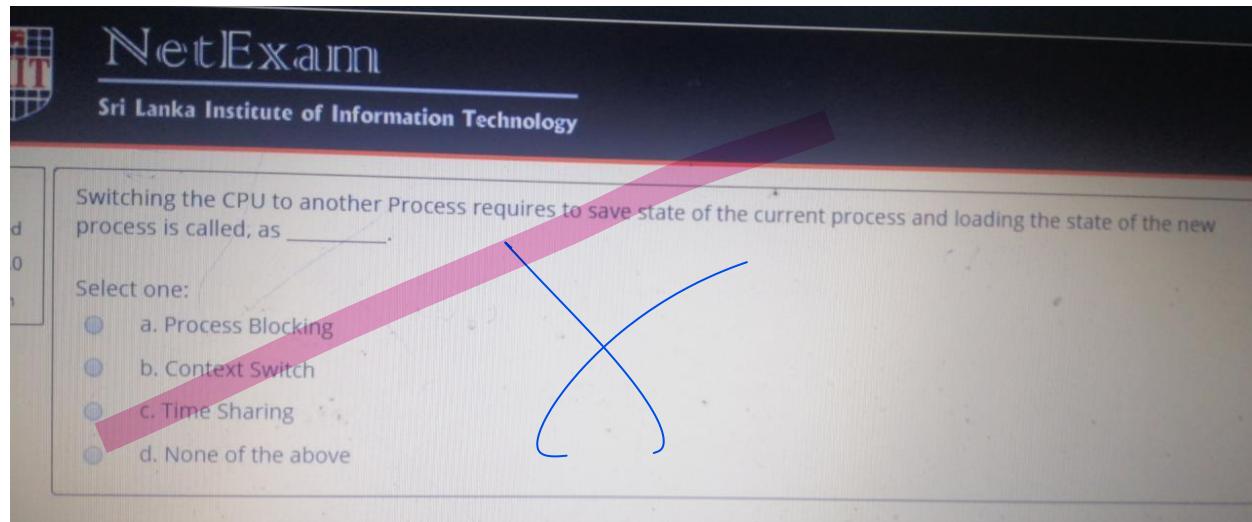
0 2 6 7 11 12 16

Quiz navig

Finish attempt ...
 Time left 0:49:39
 1 2 3
 8 9 10
 15 16 17

Activate Win
 Get Settings

[Next page](#)



How many processes are created from the following C program

```
#include <stdio.h>
int main()
{
    for(int i=0;i<10;i++){
        int pid = fork();

        if(pid == 0){
            printf("child\n");
            return 0;
        }
        else{
            printf("parent\n");
        }
    }
}
```



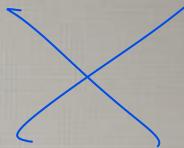
Answer:



A process can be terminated due to

Select one:

- a. Normal exit
- b. Fatal error
- c. Killed by another process
- d. All of the above





In a computer system, assume that ten processes arrive every minute, and there are normally 8 processes in the queue. Compute the average waiting time per process by Little's formula.

Select one:

- a. 8 seconds
- b. 0.8 seconds
- c. 4.8 seconds
- d. 48 seconds
- e. None of the above

$$\text{Avg. Wait.} \rightarrow n = \frac{\text{Av. arr. rate}}{\text{Waiting time}}$$
$$8 = 10 \times w$$
$$w = \frac{8}{10}$$
$$w = 0.8$$

Next p

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How many processes are created from the following C program

```
#include <stdio.h>
int main()
{
    for(int i=0;i<10;i++){
        int pid = fork();
        X
        if(pid == 0){
            printf("child\n");
            return 0;
        }
        else{
            printf("parent\n");
        }
    }
}
```

Answer: 10 |

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Choose the correct statement

Select one:

- a. Program becomes a process when executable file is loaded into main memory
- b. Stack of a given process contains the global variables
- c. *Program Code* of a process is also known as the *Data Section*
- d. Program is a process in execution

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```
#include <stdio.h>
int value = 120;
int main()
{
    int pid;
    pid=fork();
    if(pid==0){
        value=value+20;
        printf("Child: value = %d\n",value);
    }
    else{
        value=value-20;
        printf("Parent: value = %d\n",value);
    }
}
```

Consider the following C program and select the correct output

Select one:

- a. Child: value = 140
Parent: value = 100
- b. Child: value = 120
Parent: value = 100
- c. Child: value = 140
Parent: value = 120
- d. The answer cannot be obtained from the available information

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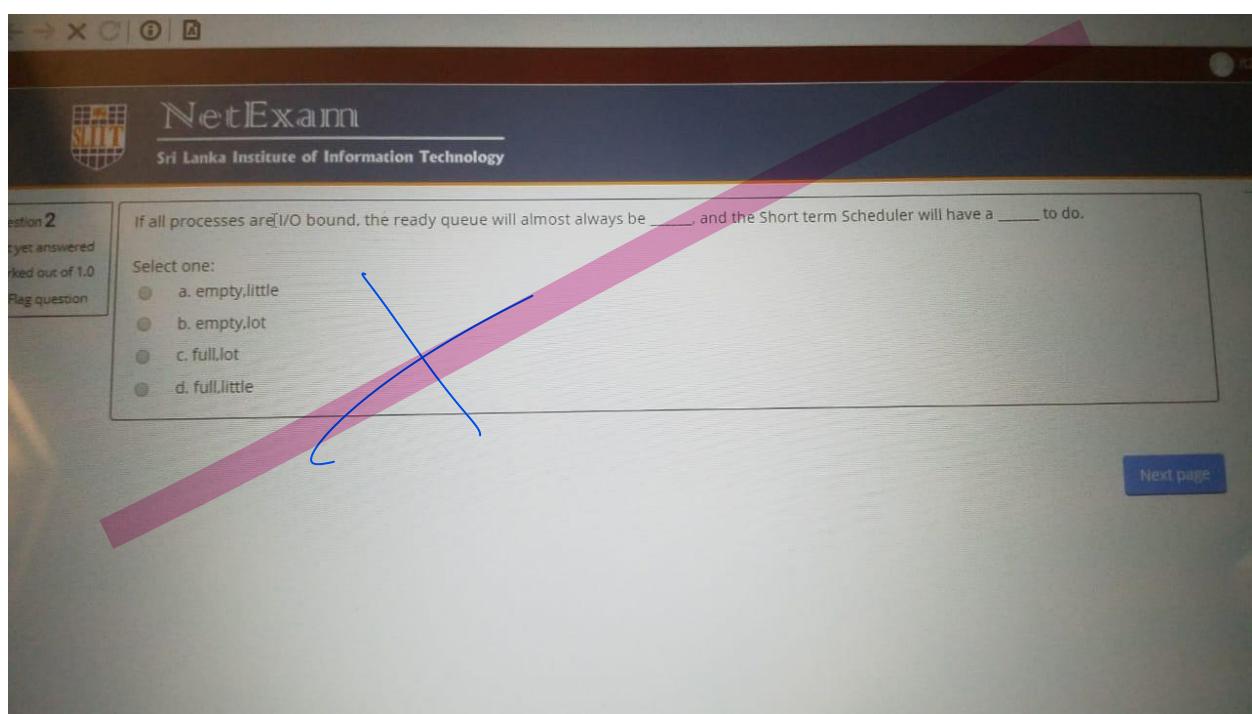
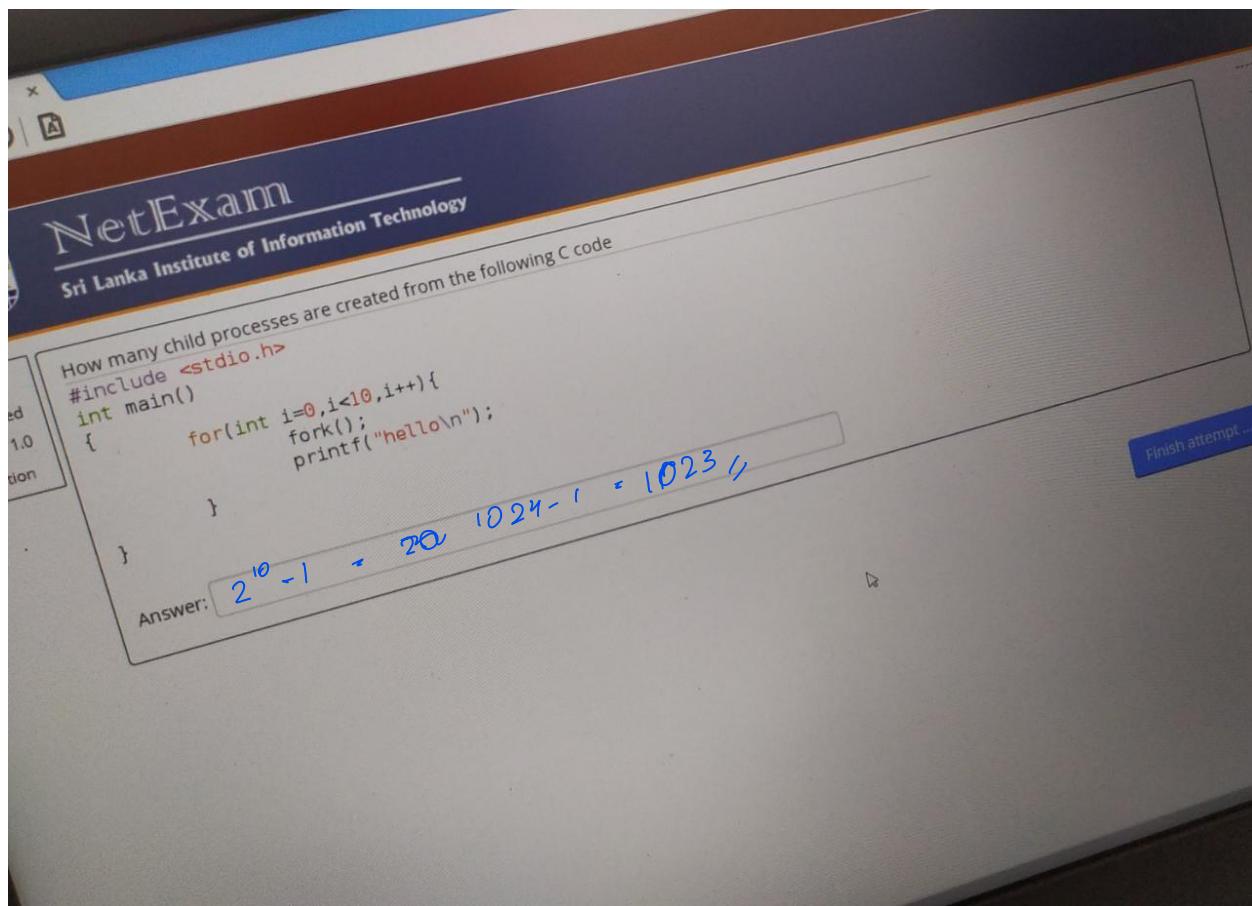
q 12 answered out of 1.0 question

Consider the following statements and select the most appropriate answer

A) Synchronization is sharing system resources in a way that concurrent processes share a common memory space.
B) The synchronization problem arise in processes.

Select one:

- a. Both statements are true
- b. Both statements are not true
- c. Statement B is true
- d. Statement A is true



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Which one of the following error will be handled by the operating system?

Select one:

- a. lack of paper in printer
- b. connection failure in the network
- c. inefficient use of resources
- d. all of the above

Given the following set of processes with their arrival times and burst times.

Process	Arrival time in milliseconds	Burst time in milliseconds
A	0	8
B	1	3
C	5	2
D	7	3

Use round-robin (quantum = 3 milliseconds) scheduling considering the context switching time as 0.2 milliseconds.

Compute the average waiting time.

Select one:

- a. 5.51ms
- b. 5.15ms
- c. 20.6ms
- d. 9.0ms
- e. 4.8ms

Given the following set of processes with their arrival times and burst times.

Process	Arrival time in milliseconds	Burst time in milliseconds
A	0	7
B	2	5
C	4	2
D	5	5

Apply round-robin (quantum = 3 milliseconds) scheduling considering the context switching time as 0.1 milliseconds.

Compute the average waiting time.

Select one:

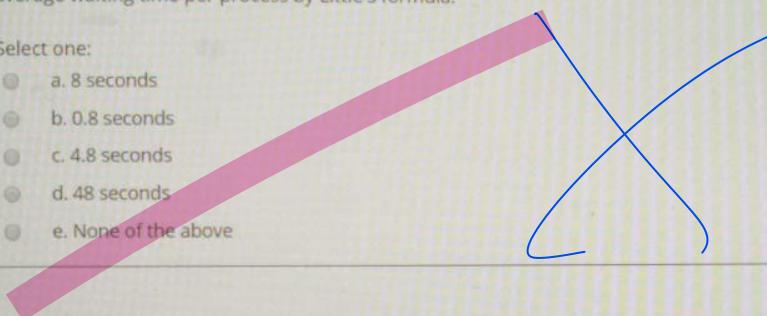
- a. 35.1 ms
- b. 35.21ms
- c. 8.67ms
- d. 8.77ms
- e. 7.775

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In a computer system, assume that ten processes arrive every minute, and there are normally 8 processes in the queue. Compute the average waiting time per process by Little's formula.

Select one:

- a. 8 seconds
- b. 0.8 seconds
- c. 4.8 seconds
- d. 48 seconds
- e. None of the above

 A large pink diagonal line has been drawn across the question area, and a blue 'X' has been drawn over the entire answer box.

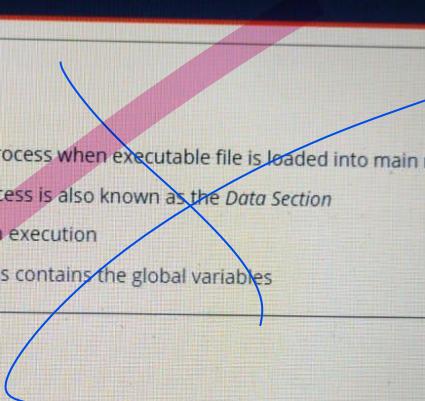
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Question 16
Not yet answered
Marked out of 1.0
 Flag question

Choose the correct statement

Select one:

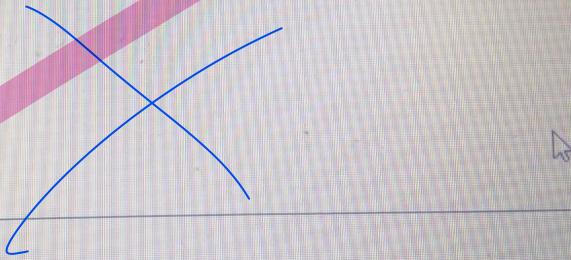
- a. Program becomes a process when executable file is loaded into main memory
- b. *Program Code* of a process is also known as the *Data Section*
- c. Program is a process in execution
- d. Stack of a given process contains the global variables

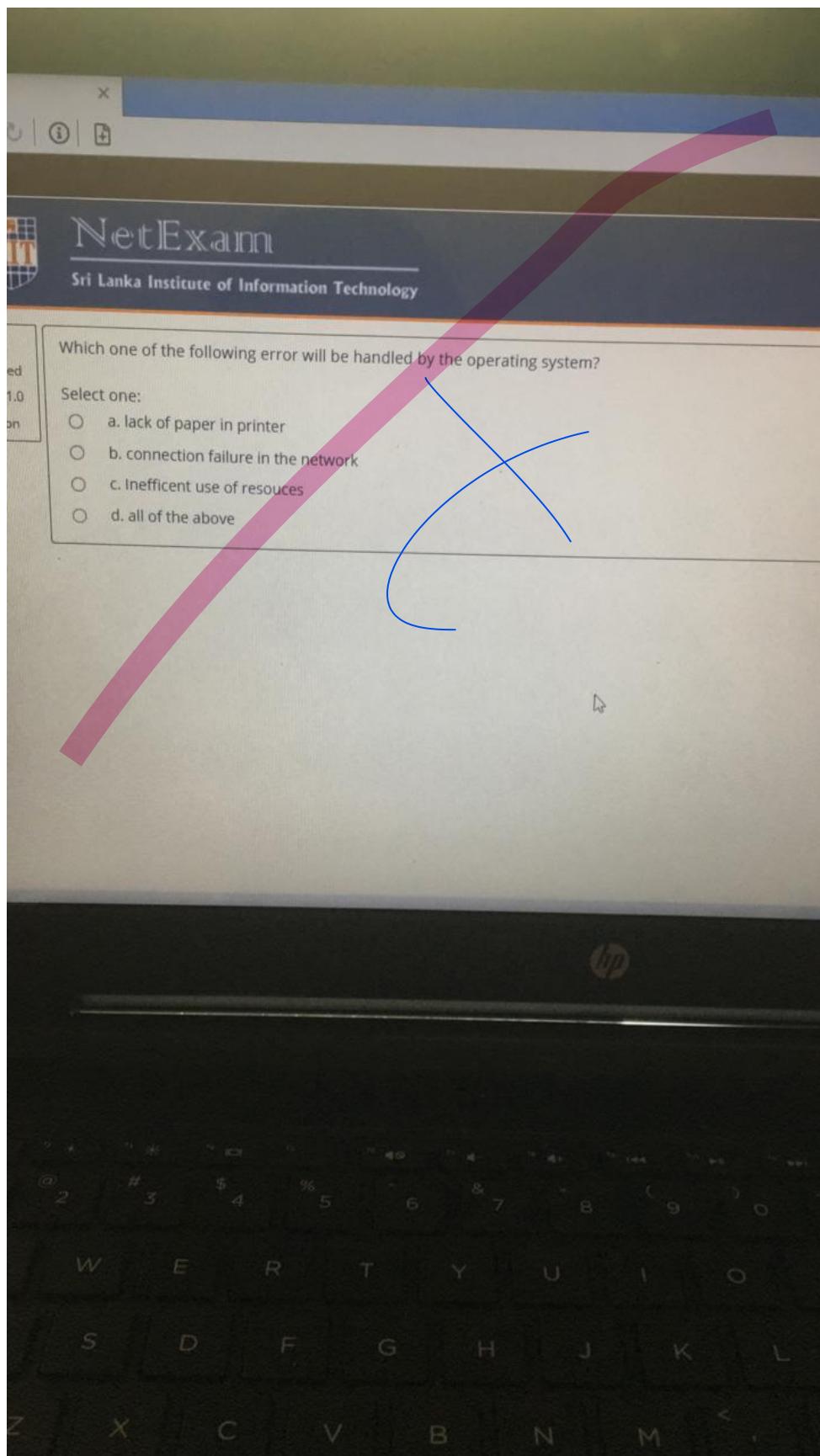
 A large pink diagonal line has been drawn across the question area, and a blue 'X' has been drawn over the entire answer box.

Instead of starting a new thread for each task to execute concurrently, the task can be passed to _____.

Select one:

- a. a process
- b. a thread pool
- c. a thread queue
- d. None of these





In a computer system structure, what links the **User Interface** and **OS Services**?

Select one:

- a. System calls
- b. Communication policies
- c. Interrupt Service Routines (ISRs)
- d. I/O operations

Que. Switching the CPU to another Process requires to save state of the old process and loading new process state is called as _____.

- a. Process Blocking
- b. Context Switch
- c. Time Sharing
- d. None of the above

Answer: Context Switch





How many child processes are created from the following C code

```
#include <stdio.h>
int main()
{
    for(int i=0,i<10,i++) {
        fork();
        printf("hello\n");
    }
}
```

Answer:



Question 12

Not yet answered

Marked out of 1.0

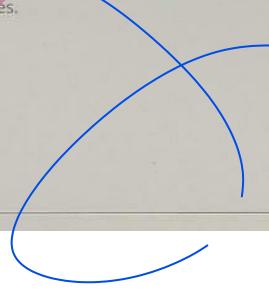
Flag question

Consider the following statements and select the most appropriate answer

- A) Synchronization is sharing system resources in a way that concurrent processes share a common memory space.
B) The synchronization problem arise in processes.

Select one:

- a. Both statements are true
- b. Statement B is true
- c. Both statements are not true
- d. Statement A is true



Marked
Answered
Flag question

How many
processes are created from the following C program

```
#include <sys/types.h>
#include <sys/stat.h>
#include <fcntl.h>
#include <sys/conf.h>
#include <sys/conf.h>
#include <sys/conf.h>
#include <sys/conf.h>
```

for(int i=0;i<10;i++)

```
int pid=fork();
```

```
if(pid==0){
```

```
    print("child\n");
```

```
    return 0;
```

```
else{
```

```
    printf("parent\n");
```

Answer:



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Question 17

Not yet answered

Marked out of 1.0

Flag question

How many processes are created from the following C program?

```
#include <stdio.h>
int main()
{
    for(int i=0;i<10;i++){
        int pid = fork();
        if(pid == 0){
            printf("child\n");
            return 0;
        }
        else{
            printf("parent\n");
        }
    }
}
```

Answer:



Question 17

Not yet answered

Marked out of 1.0

Flag question

Select the most appropriate answer by considering the following C program

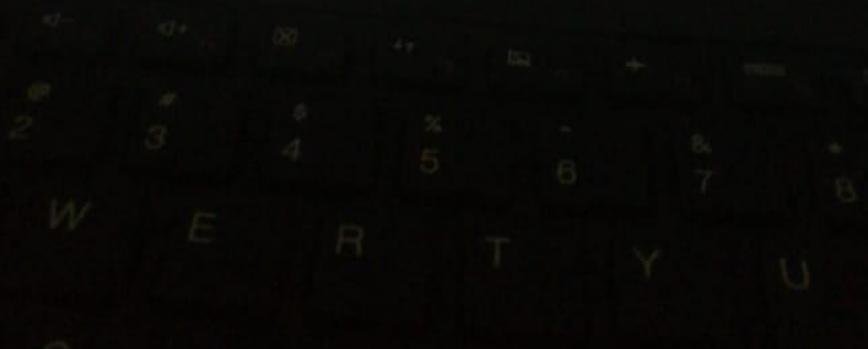
```
#include<stdio.h>
#include<unistd.h>

int main(){
    int pid = fork();

    if(pid==0){
        printf("Hello\n");
    }
    else{
        sleep(100);
    }
    return 0;
}
```

Select one:

- a. A never ending loop
- b. A zombie process
- c. None of the above
- d. An orphan process

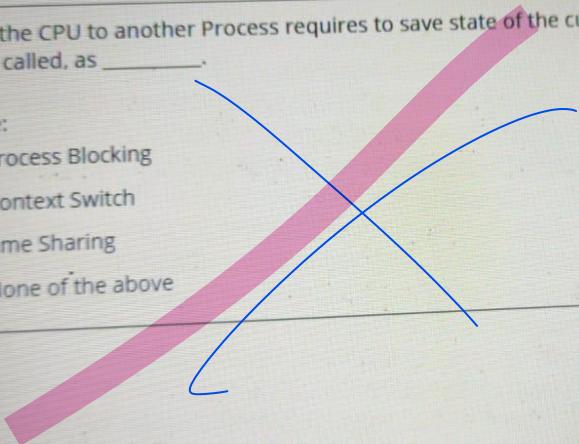


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Switching the CPU to another Process requires to save state of the current process and loading the state of the new process is called, as _____.

Select one:

- a. Process Blocking
- b. Context Switch
- c. Time Sharing
- d. None of the above



Moodle

← → × C | ① A

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Question 20
Not yet answered
Marked out of 1.0
Flag question

Consider the following C program.
// Assume variables i and pid, and constant N have been properly defined, and/or initialized and there is no syntax error.

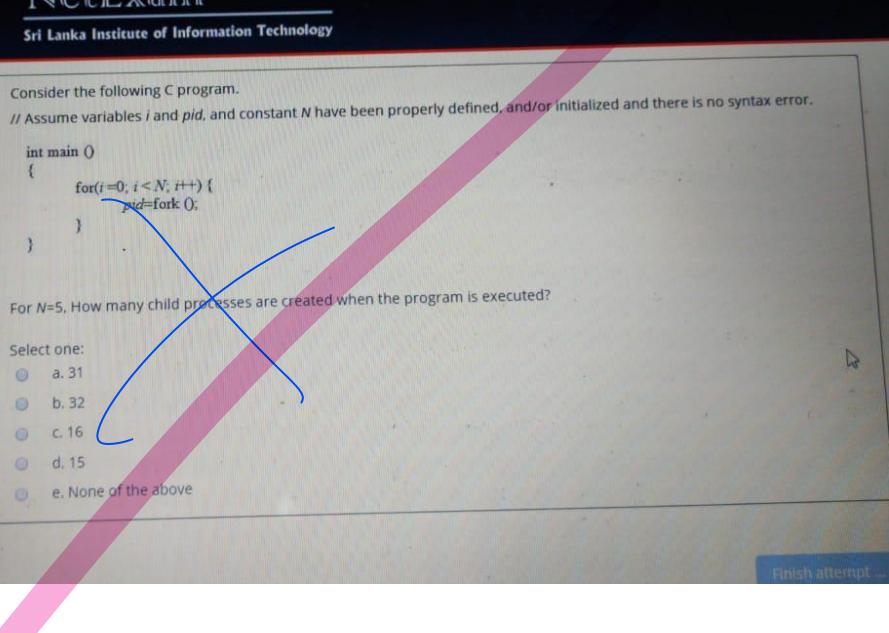
```
int main () {
    for(i=0; i < N; i++) {
        pid=fork ();
    }
}
```

For N=5, How many child processes are created when the program is executed?

Select one:

- a. 31
- b. 32
- c. 16
- d. 15
- e. None of the above

Finish attempt ...



How many child processes are created from the following C code

```
#include <stdio.h>
int main()
{
    for(int i=0,i<10,i++){
        fork();
        printf("hello\n");
    }
}
```

Answer:

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Select the correct number of processes created by the following code

```
#include <stdio.h>
int main()
{
    fork();
    fork();
    fork();
    fork();
    printf("hello\n");
    return 0;
}
```

Select one:

- a. 4 child processes and 1 parent process
- b. 15 child processes and 1 parent process
- c. 16 child processes
- d. 5 child processes

Consider the following C program and select the correct output

```
#include <stdio.h>

int value = 120;
int main()
{
    int pid;
    pid=fork();

    if(pid==0){
        value=value+20;
        printf("Child: value = %d\n",value);
    }
    else{
        value=value-20;
        printf("Parent: value = %d\n",value);
    }
}
```

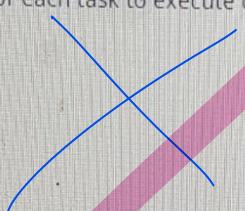
Select one:

- a. Child: value = 120
Parent: value = 100
- b. Child: value = 140
Parent: value = 100
- c. Child: value = 140
Parent: value = 120
- d. The answer cannot be obtained from the available information

Instead of starting a new thread for each task to execute concurrently, the task can be passed to _____.

Select one:

- a. a process
- b. a thread pool
- c. a thread queue
- d. None of these



→ X C | Ⓛ | Ⓛ



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Question 19

yet answered
Marked out of 1.0
Flag question

RPC provides a(n) _____ on the client side, a separate one for each remote procedure.

Select one:

- a. process identifier
- b. identifier
- c. name
- d. stub



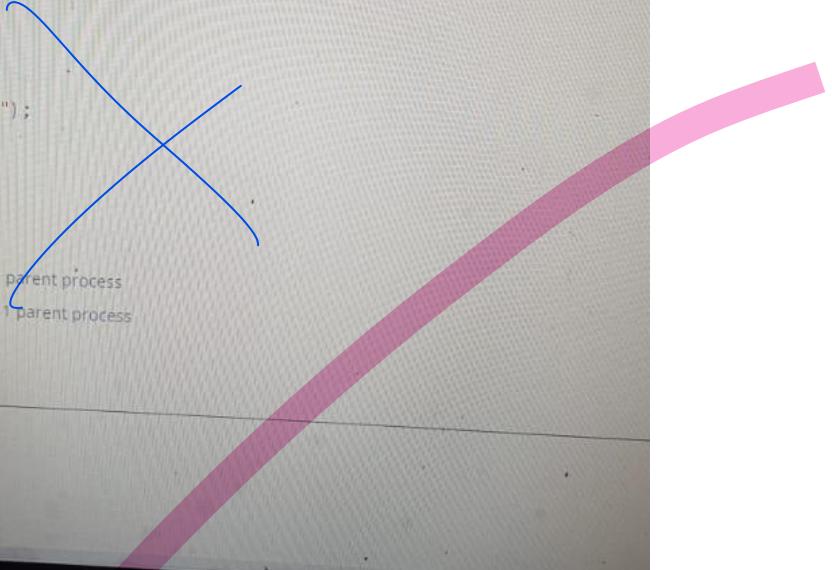
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Select the correct number of processes created by the following code

```
#include <stdio.h>
int main()
{
    fork();
    fork();
    fork();
    fork();
    printf("Hello\n");
    return 0;
}
```

Select one:

- a. 4 child processes and 1 parent process
- b. 15 child processes and 1 parent process
- c. 5 child processes
- d. 16 child processes





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Instead of starting a new thread for each task to execute concurrently, the task can be passed to _____.

Select one:

- a. a process
- b. a thread pool
- c. a thread queue
- d. None of these

C | @ | A

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The address of the next instruction to be executed by the current process is provided by the

Select one:

- a. pipe
- b. program counter
- c. CPU registers
- d. process stack

Consider the following C program.
// Assume variables *i* and *pid*, and constant *N* have been properly defined, and/or initialized and there is no syntax error.

```
int main ()  
{  
    for(i=0; i<N; i++) {  
        pid=fork();  
    }  
}
```

For *N*=5, How many child processes are created when the program is executed?

Select one:

- a. 31
- b. 32
- c. 16
- d. 15
- e. None of the above

https://www.onlinegdb.com

main.c

```
1. /*
2.
3. Welcome to GDB Online.
4. GDB online is an online compiler and debugger tool for C, C++, Python, Java, Perl,
5. C#, VB, Swift, Pascal, Fortran, Haskell, Objective-C, Assembly, HTML, CSS, JS,
6. Code, Compile, Run and Debug online from anywhere in world.
7.
8. ****
9. #include <stdio.h>
10.
11 int main()
12 {
13     for (int i=0; i<10; i++)
14         fork();
15     printf("Hello World \n");
16 }
17
18 return 0;
19
```

main.c:14:5: warning: implicit declaration of function 'fork' [-Wimplicit-function-declaration]

Hello World

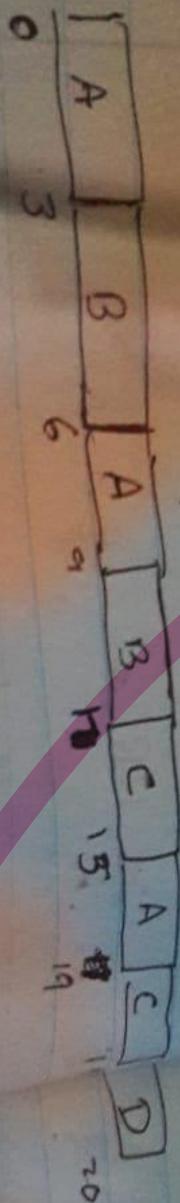
...Program finished with exit code 0

Press ENTER to exit console.

DELL

A

~~g₁~~ ~~g₂~~ ~~2~~ ~~g₃~~ ~~g₄~~ ~~-~~
A ~~B~~ A ~~C~~ A ~~D~~



$$0 + 6 - 3 + 15 - 9 \neq 9$$

$$A \rightarrow 0 + 6 - 3 + 15 - 9 \neq 9$$

$$B \rightarrow 3 - 1 + 9 - 6 \neq$$

$$C \rightarrow 11 - 5 + 14 - 13$$

$$\begin{array}{r} 9 \\ 5 \\ 8 \\ 4 \\ \hline 12 \end{array} = 8.5$$

D →

19 - 7

Handwritten notes on a grid paper showing a sequence of operations and their results.

Top row: A sequence of numbers (10, 11, 12, 13, 14) followed by a bracketed sum: $[A \times B] + C$.

Second row: A sequence of numbers (10, 11, 12, 13, 14) followed by a bracketed sum: $[A \times B \times C] + D$.

Third row: A sequence of numbers (10, 11, 12, 13, 14) followed by a bracketed sum: $[A \times B \times C \times D] + E$.

Fourth row: A sequence of numbers (10, 11, 12, 13, 14) followed by a bracketed sum: $[A \times B \times C \times D \times E] + F$.

Fifth row: A sequence of numbers (10, 11, 12, 13, 14) followed by a bracketed sum: $[A \times B \times C \times D \times E \times F] + G$.

Sixth row: A sequence of numbers (10, 11, 12, 13, 14) followed by a bracketed sum: $[A \times B \times C \times D \times E \times F \times G] + H$.

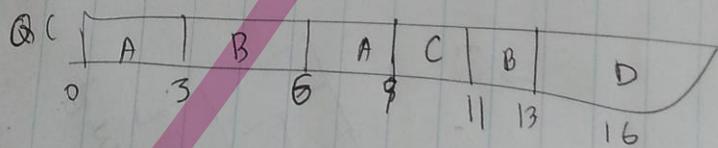
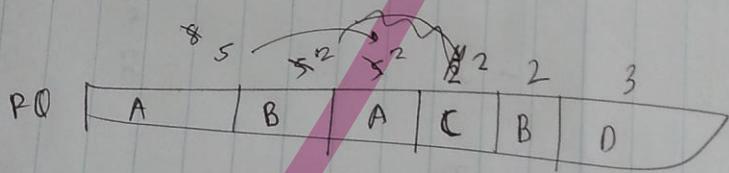
Seventh row: A sequence of numbers (10, 11, 12, 13, 14) followed by a bracketed sum: $[A \times B \times C \times D \times E \times F \times G \times H] + I$.

Below the seventh row, there is a large red diagonal slash across the page.

Bottom row: A sequence of numbers (10, 11, 12, 13, 14) followed by a bracketed sum: $[A \times B \times C \times D \times E \times F \times G \times H \times I] + J$.

Bottom right corner: A small note: "Device O.D.M."

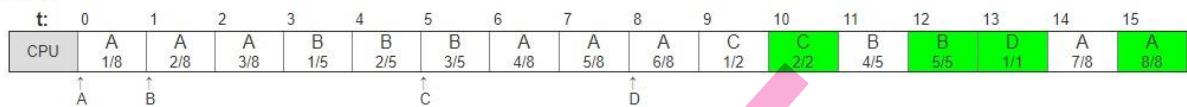
		AT	WT	PT	TAT
A	0	$0+3$	= 3	8	9
B	1	$3-1+11-6$	= 9	5	
C	5	$9-5$	= 4	2	
D	8	$13-8$	= 5	1	
					21/4



Order of service (table):

Process	Arrival	Service	Priority	Started	Completion	turnaround time (TAT)	waiting time (WAT)
C	5	2	0	9	11	6	4
B	1	5	0	3	13	12	7
D	8	1	0	13	14	6	5
A	0	8	0	0	16	16	8
Avg:	-	4	-	-	-	10	6

Solution



Number of queues:

Queue #0: Scheduling algorithm: Quantum:

Context switch latency:

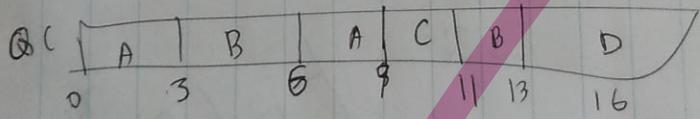
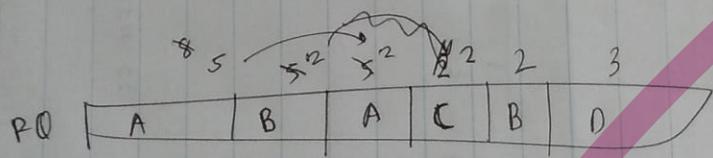
Generate: ticks Summary Avg TT Graph

Arrival times:

Service times:

Priority (optional):
examples: #1 #2 #3 #4

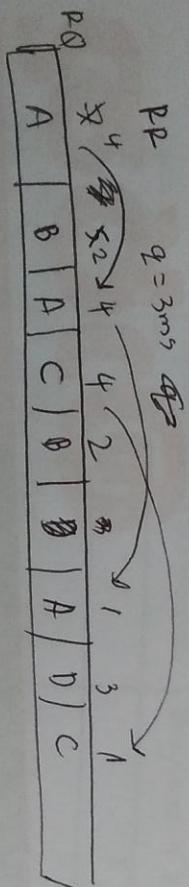
		AT	WT	M_T	TAT
A	0	$0+3$	= 3	8	9
B	1	$3-1+11-6$	= 7	5	
C	5	$9-5$	= 4	2	
D	8	$13-8$	= <u>5</u>	1	
				$\frac{t_{MAX}}{24/14} = 6$	



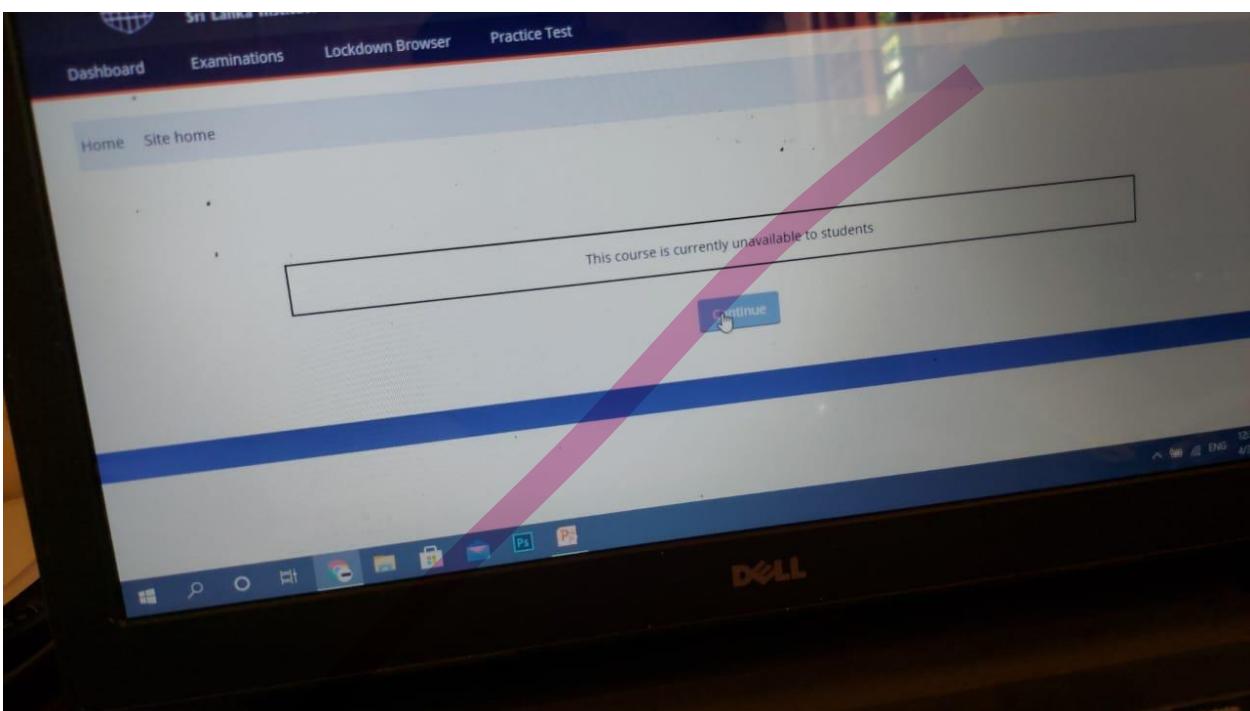
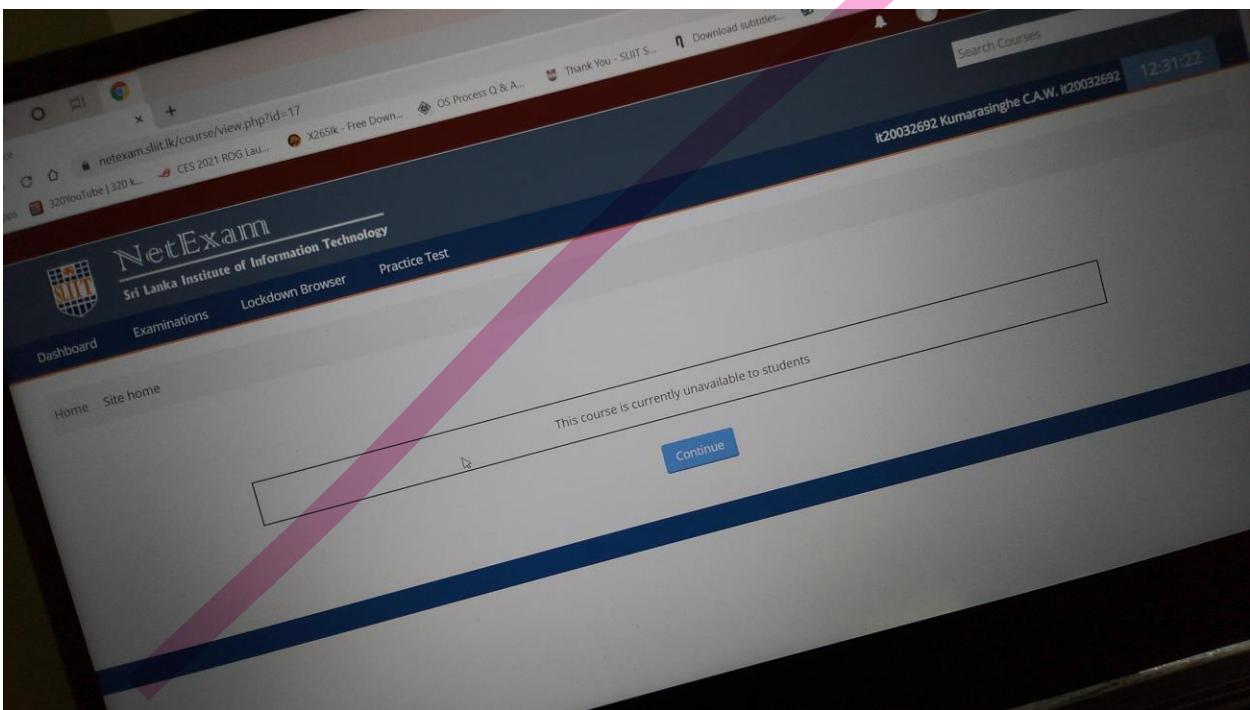
iv).

P	A T	W T	B T	T A T
A	0	$0 + (6.2 - 3.1) + (14.5 - 9.3)$	7.6	15.6
B	1	$(31 - 1) + (12.4 - 6.2)$	5.3	14.5 - 1
C	5	$(9.3 - 5) + (18.7 - 12.4)$	4.4	19.6 - 5
D	11	$15.6 - 11$	3	18.7 - 11

$$CS = 0.1 \text{ ms}$$



Ex	3.1	6.2	9.3	12.4	14.5	15.6	16.7	19.8
A	5	6.1	9.2	12.3	14.4	15.5	16.6	19.7



navigation
browser is used.
answer for each question.
no negative marks.

This quiz has been configured so that students may only attempt it using the Respondus LockDown Browser. Attempts allowed: 1

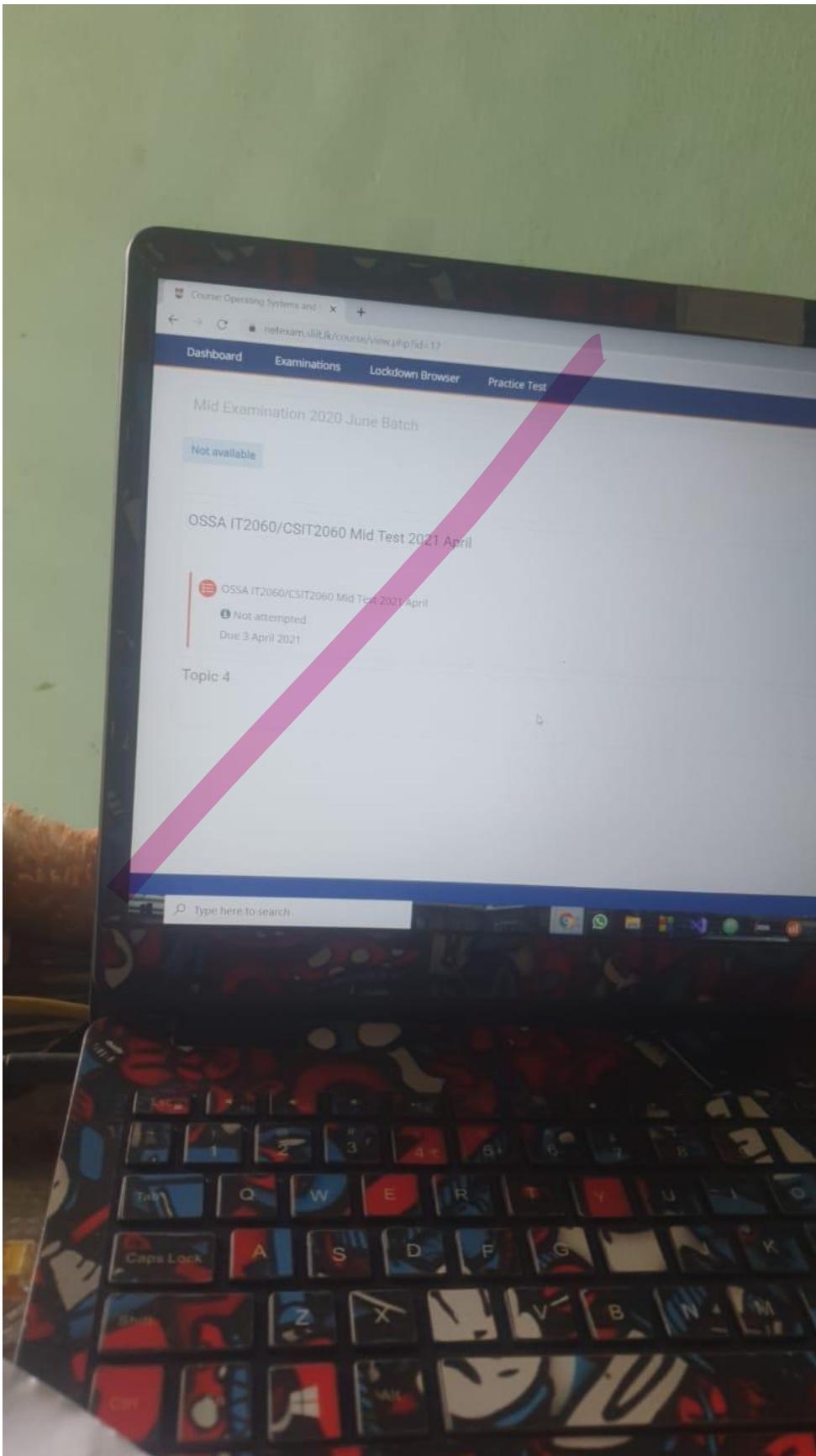
This quiz opened at Saturday, 3 April 2021, 12:30 PM.
This quiz will close on Saturday, 3 April 2021, 1:45 PM.
Time limit: 1 hour

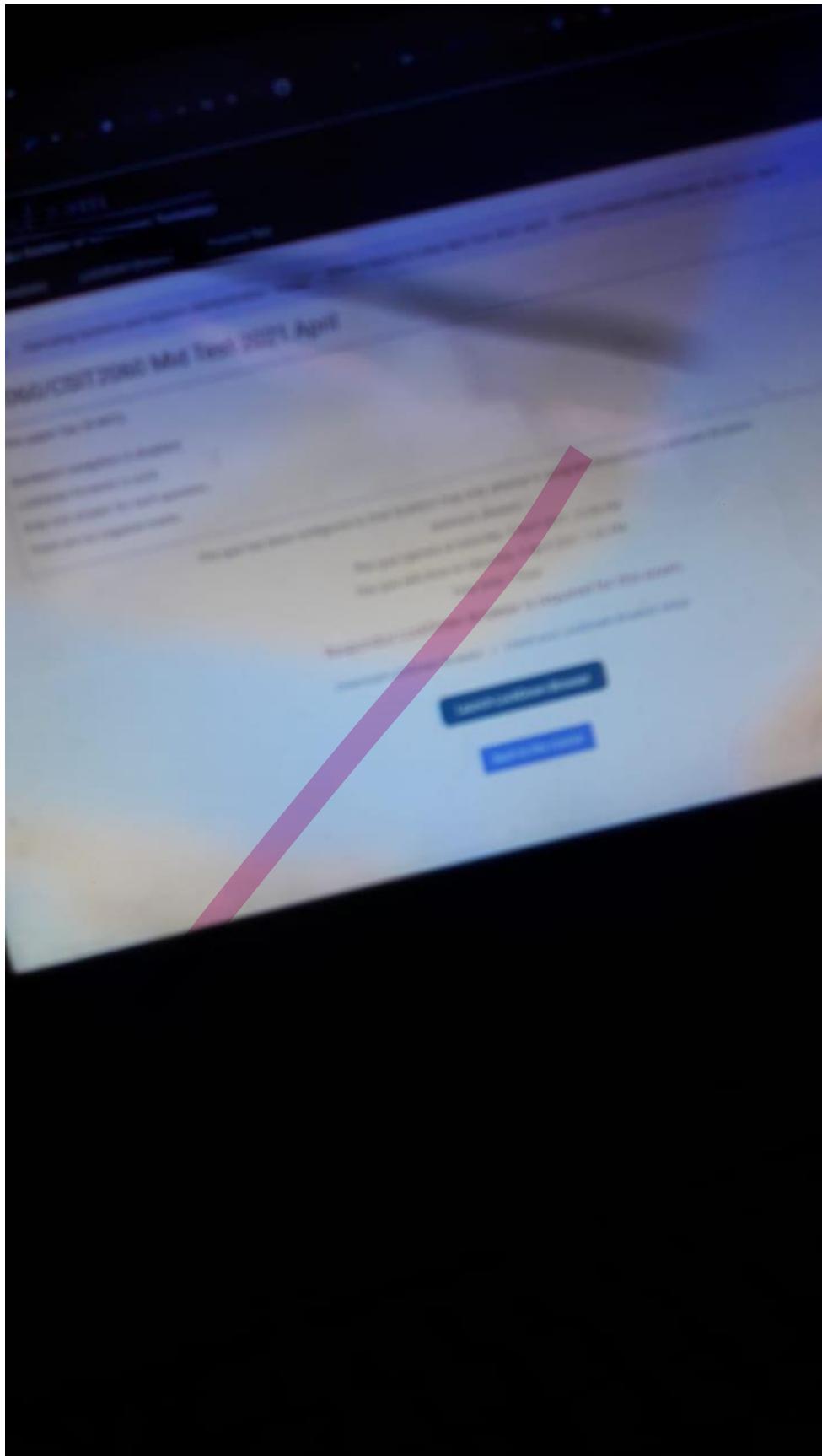
Respondus LockDown Browser is required for this exam.

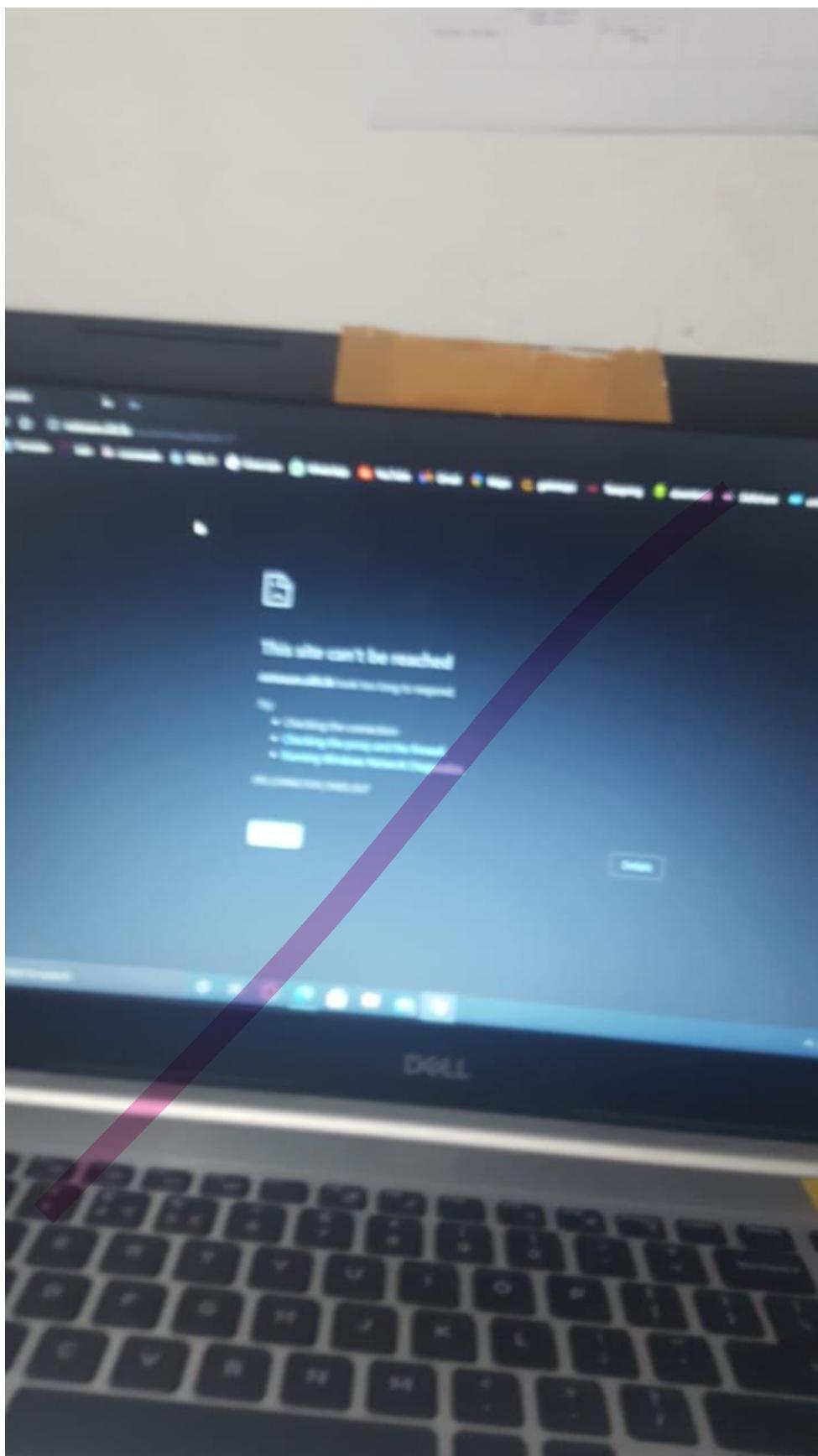
[Download LockDown Browser](#) | [Check your LockDown Browser Setup](#)

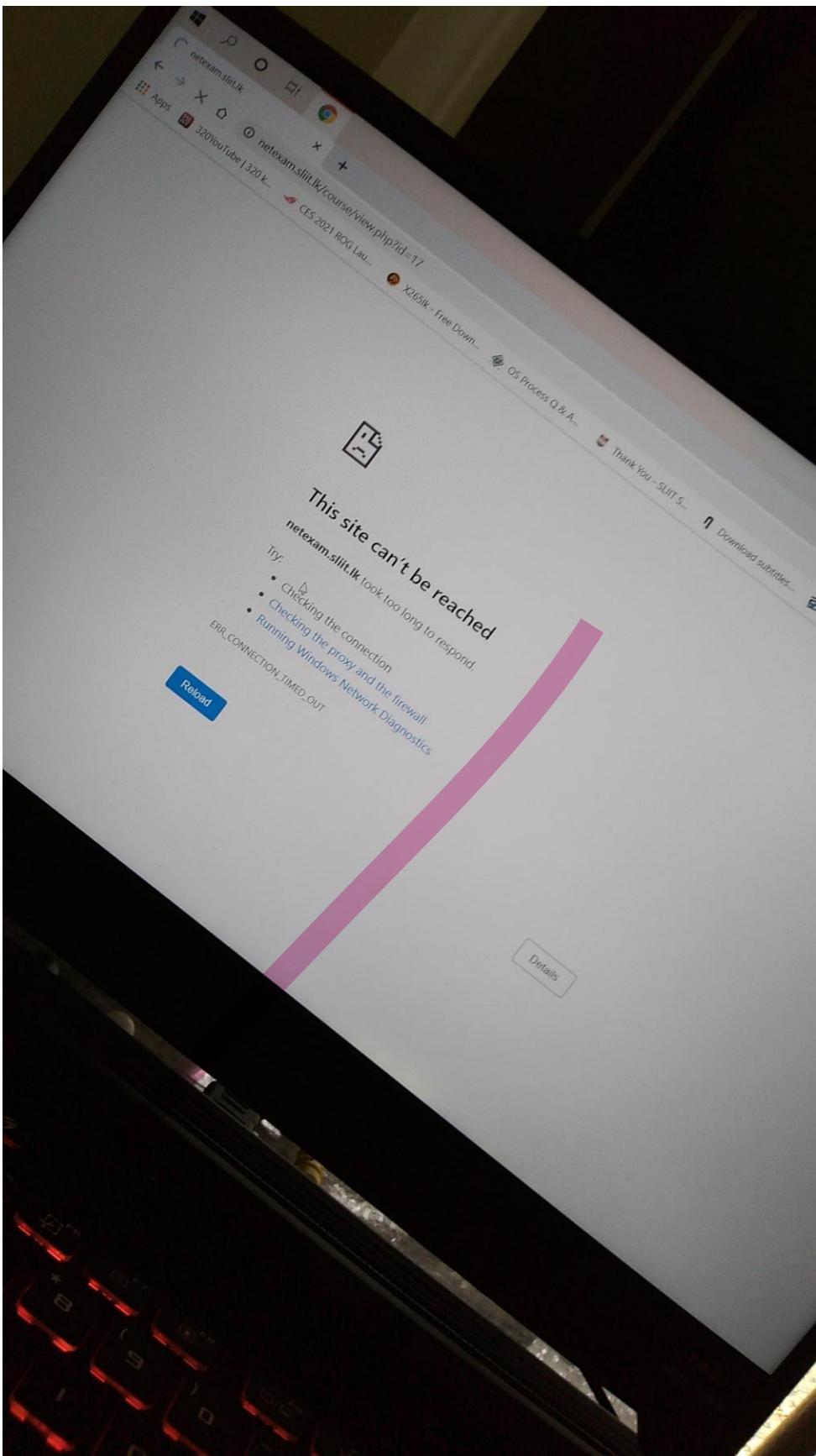
[Launch LockDown Browser](#)

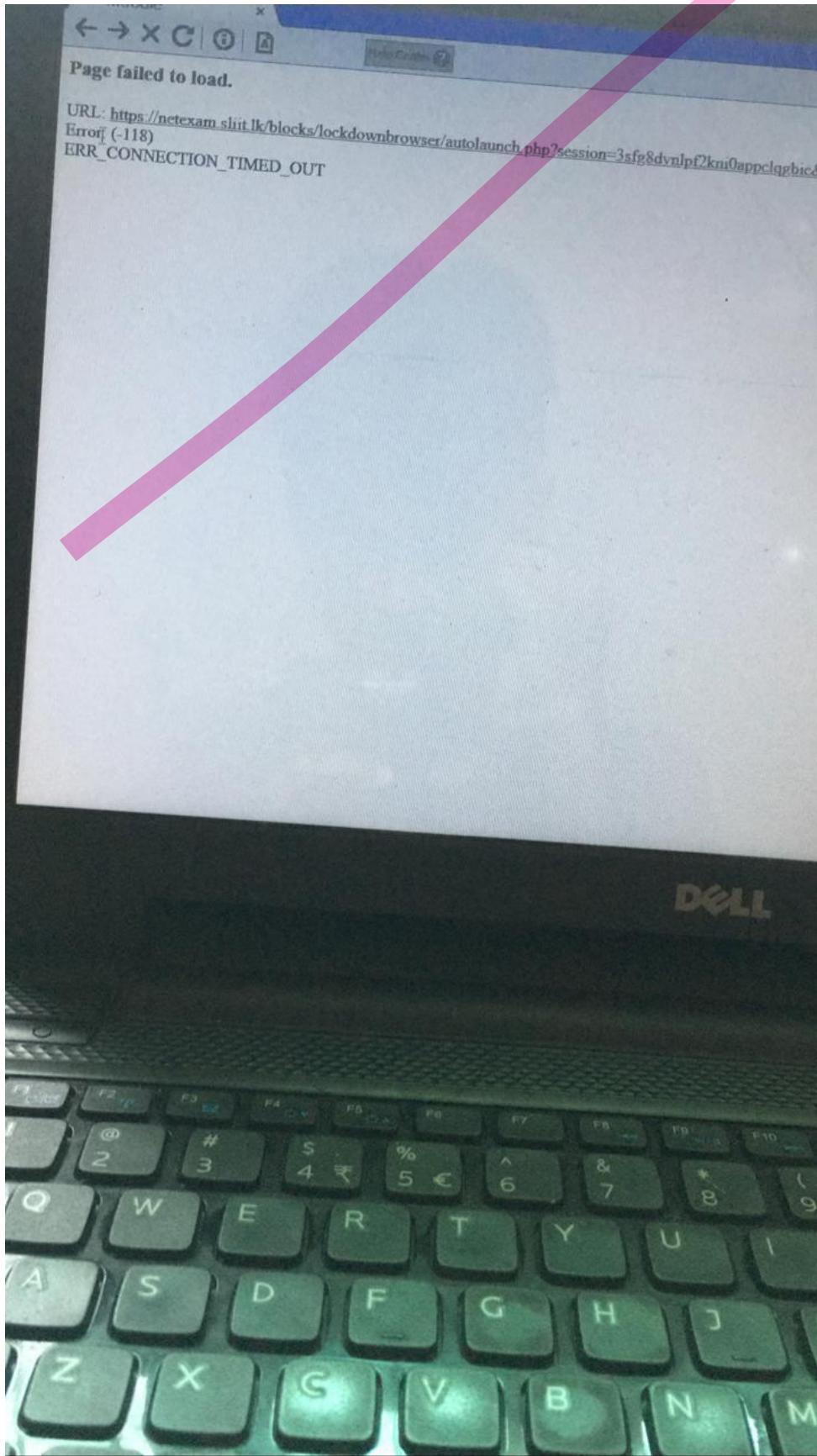
[Back to the course](#)

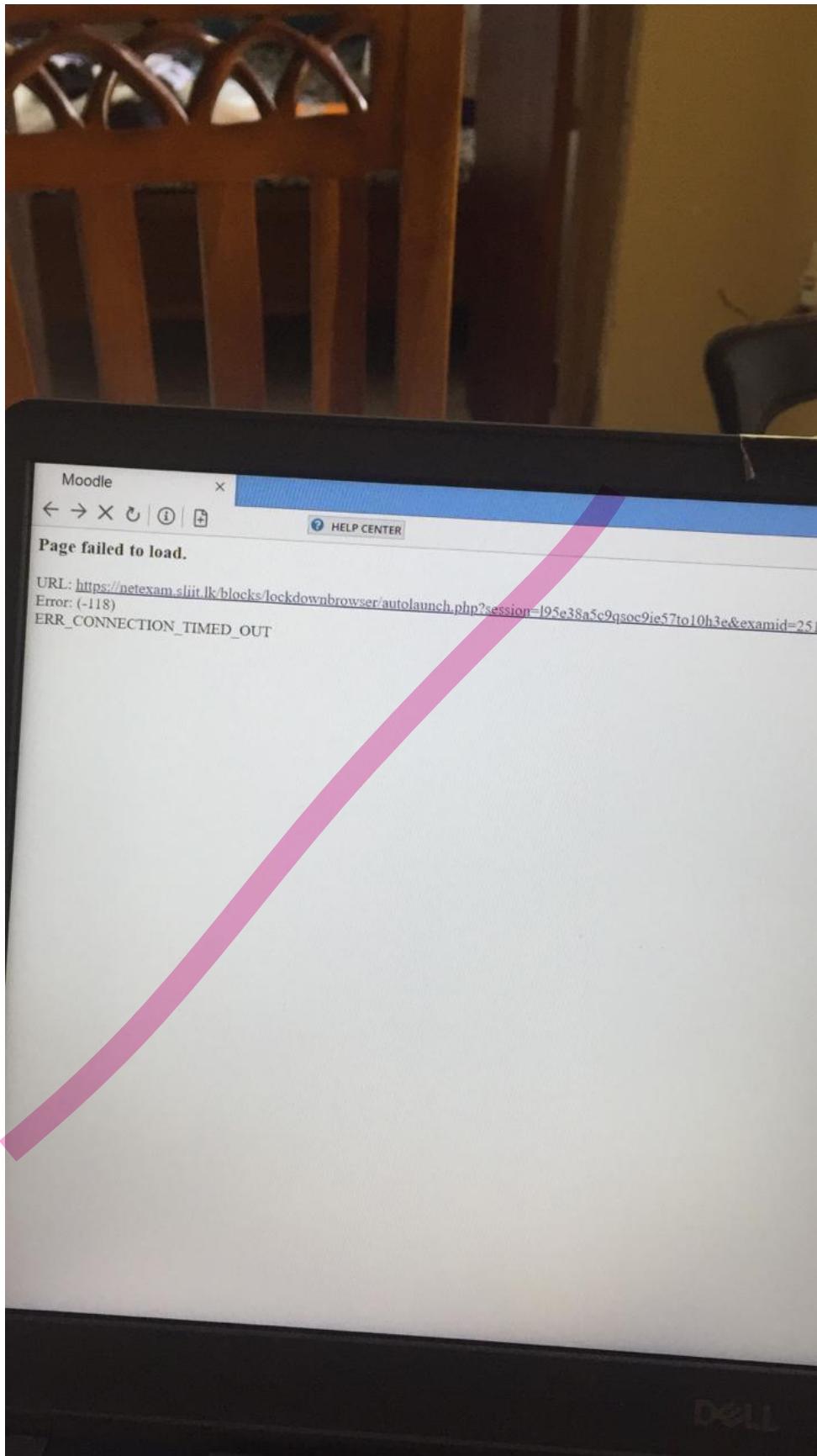












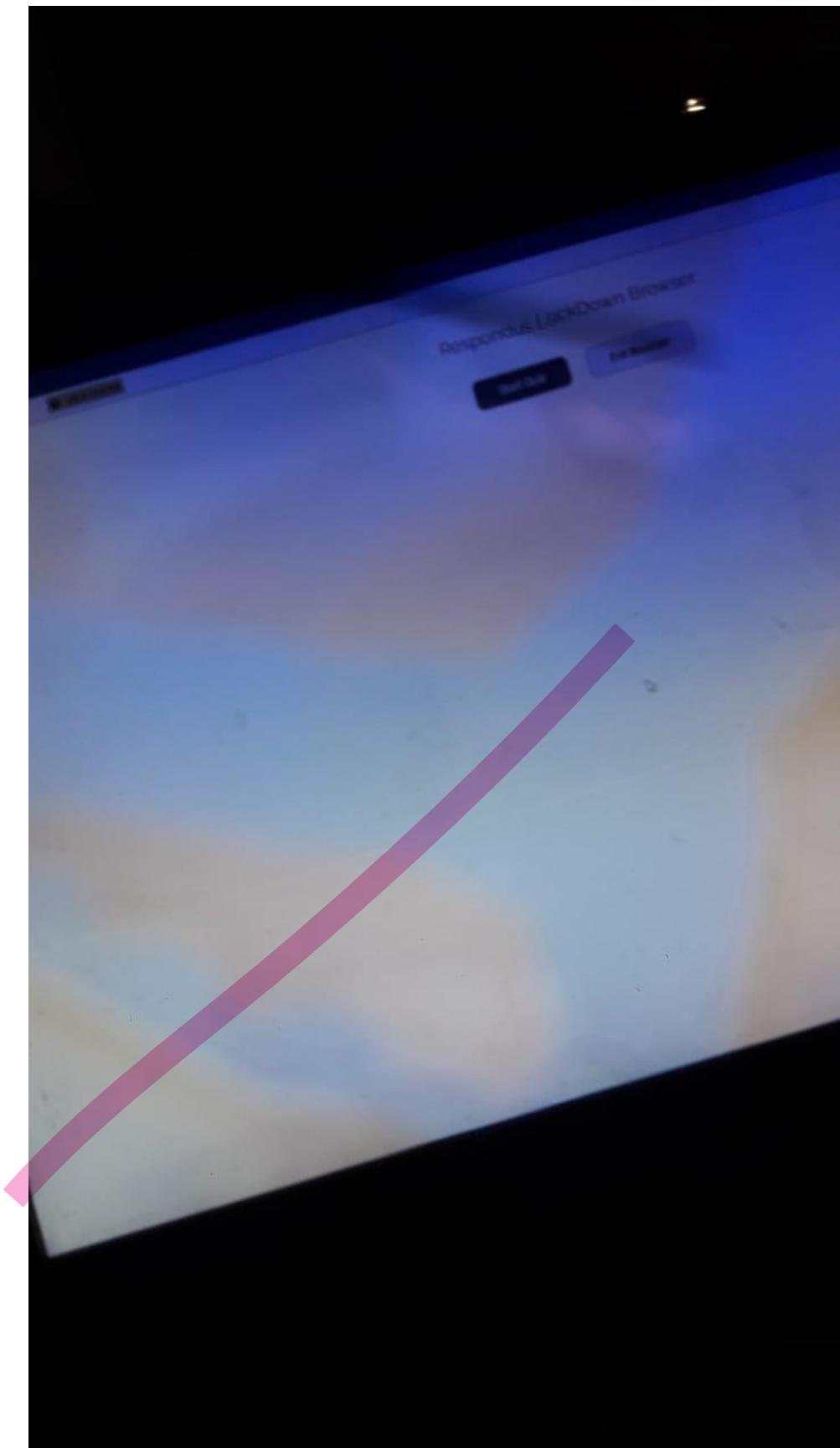
swered
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uestion

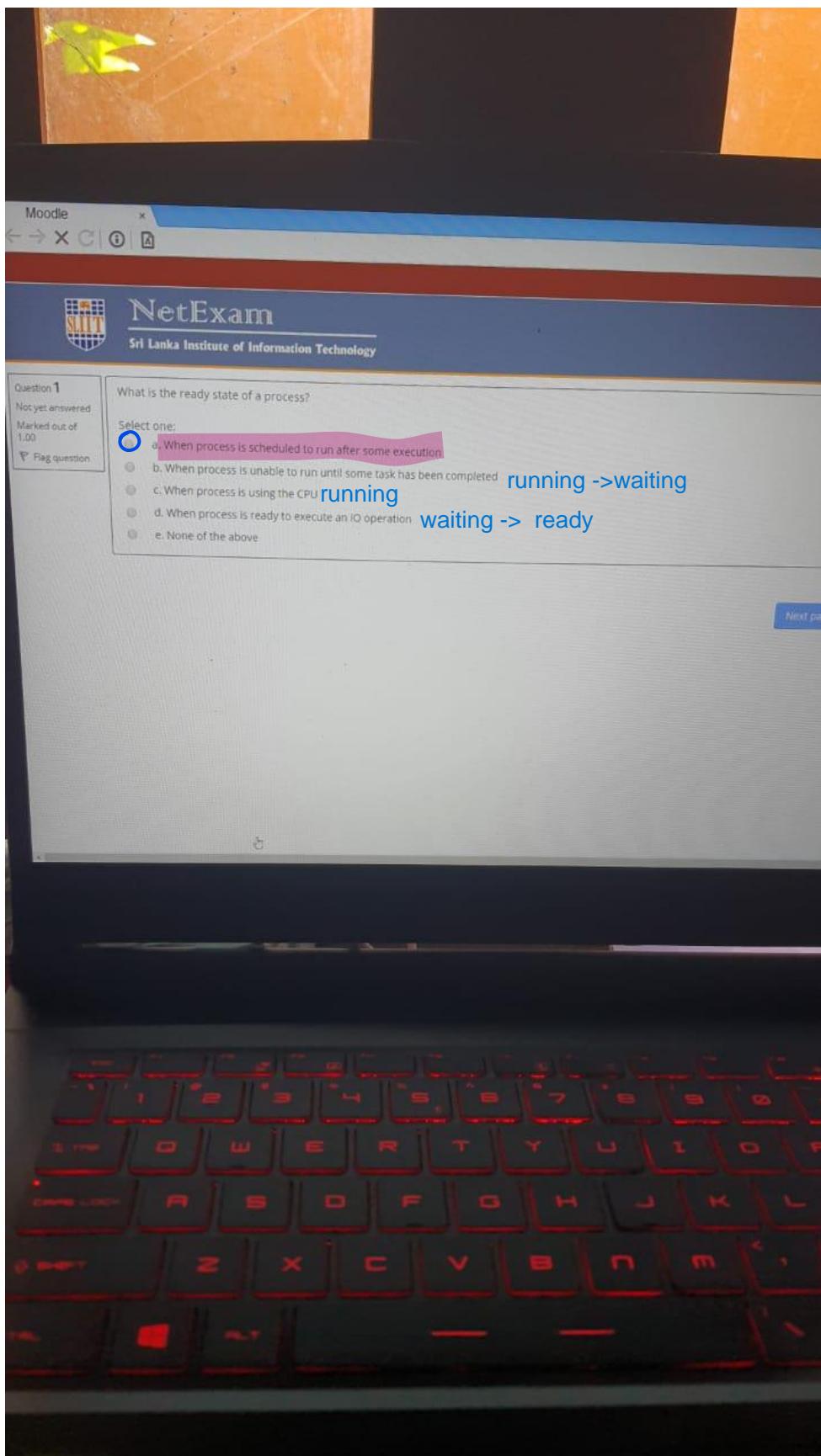
Why does the system select a new process to run?

- a) When process switches from running to waiting state.
- b) Switches from running to ready state
- c) Switches from waiting to ready state

Select one:

- a. Only a) is correct.
- b. Only b) is correct.
- c. Only a) and b) are correct.
- d. All are correct
- e. None of the above





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Question 1
Not yet answered
Marked out of 1.00
Flag question

When the currently running processes is suspended a new process will be selected to run by the scheduler, then the currently running process must be saved in the PCB and restore the status from the PCB this process is called as

Select one:

- a. Interrupting
- b. Swapping
- c. Paging
- d. Context switching
- e. Dispatching

Next page

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Question 2
Not yet answered
Marked out of 0
Flag question

Consider the following statements regarding the processes and threads:

- a) Processes creation is faster than thread creation.
- b) ✓ Inter thread communication is much faster than the inter process communication.
- c) ✗ User level threads are slower than the kernel level threads.

Select one:

- a. Only a) is correct.
- b. Only b) is correct.
- c. Only b) and c) are correct.
- d. All are correct
- e. None of the above

odle

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17 answered 1 out of 1 question

Given the following set of processes with their arrival times and burst times:

Process	Arrival Time	Burst Time
A	0	8
B	1	6
C	3	3
D	5	2
E	6	4

Calculate the average waiting time for Shortest Job First (non-preemptive) algorithm.

Select one:

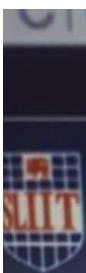
- a. 6.4
- b. 6.6
- c. 6.8
- d. 6.0
- e. 6.2

A ganne nh..waiting time ekt...me method ekedi

6 16 7 3 7

133TS

• A | D | C | E | B |
8 10 13 17 23



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Consider the following C program.

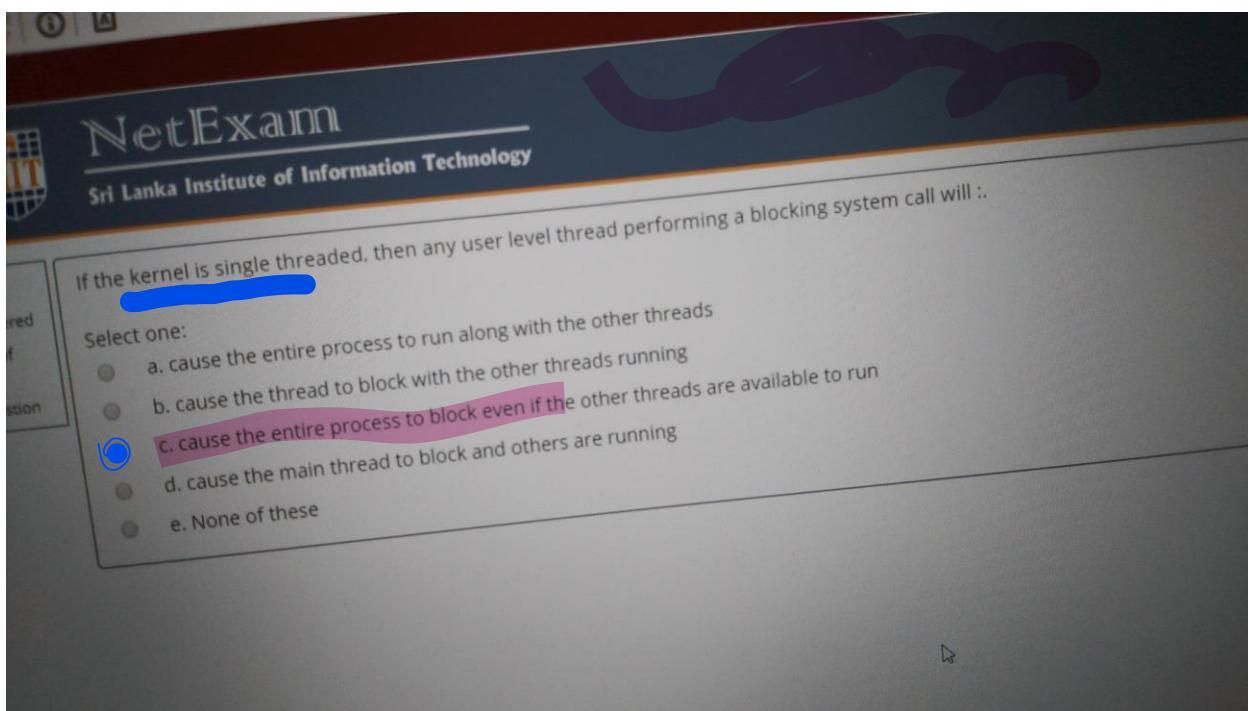
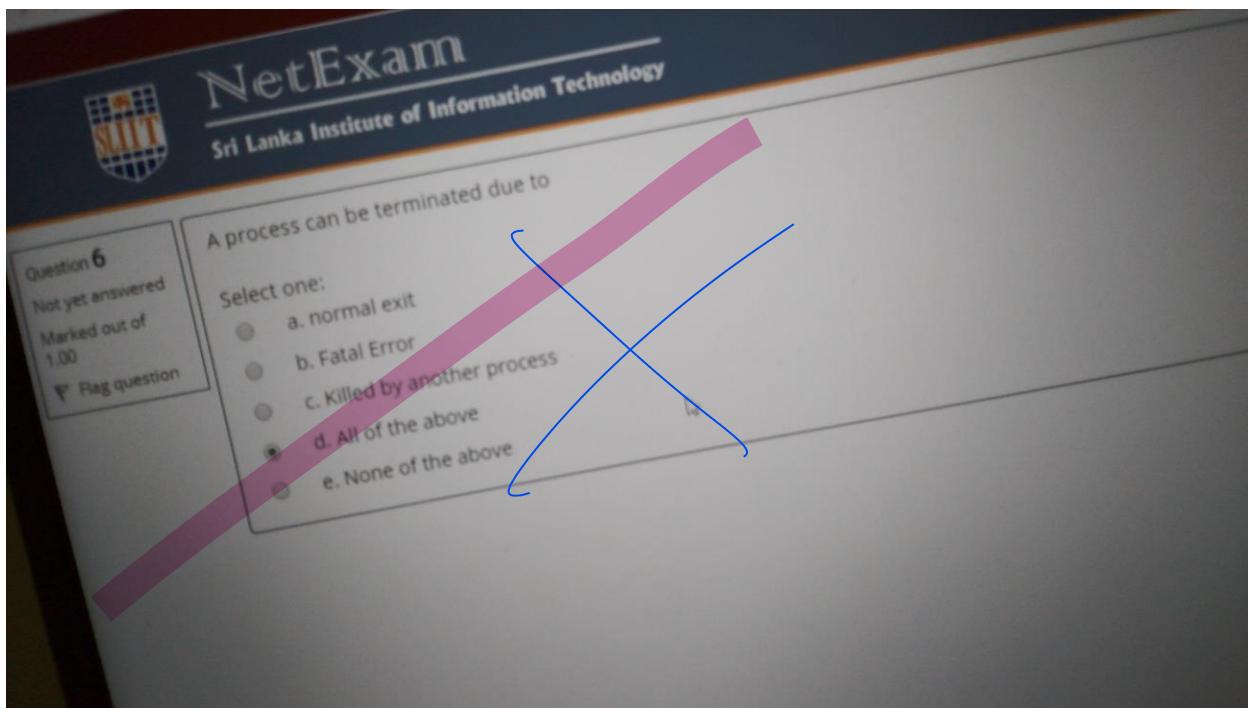
// Assume variables *i* and *pid*, and constant *N* have been properly defined.

```
int main ()  
{  
    for(i=0; i < N; i++) {  
        pid=fork();  
    }  
}
```

For *N*=5, How many child processes are created when the program is executed

Select one:

- a. 31
- b. 35
- c. 16
- d. 15
- e. None of the above



Question 13
Not yet answered
Marked out of 1.00
Flag question

Consider the following:

```
int value = 60;
int main()
{
    pid_t pid;
    pid = fork();
    if (pid == 0) {
        value = value + 20;
    }
    else if (pid > 0) {
        value = value - 20;
        printf("PARENT: value=%d\n", value); //Line A
        wait(NULL);
    }
}
```

Select one:

- a. PARENT = 40
- b. PARENT = 60
- c. PARENT = 80
- d. PARENT = 20
- e. None of the above

Consider the following statements regarding OS structures:

- a) Module architecture is used by most of the modern Operating systems.
- b) Micro kernel provides better reliability.
- c) Layered architecture is less efficient.

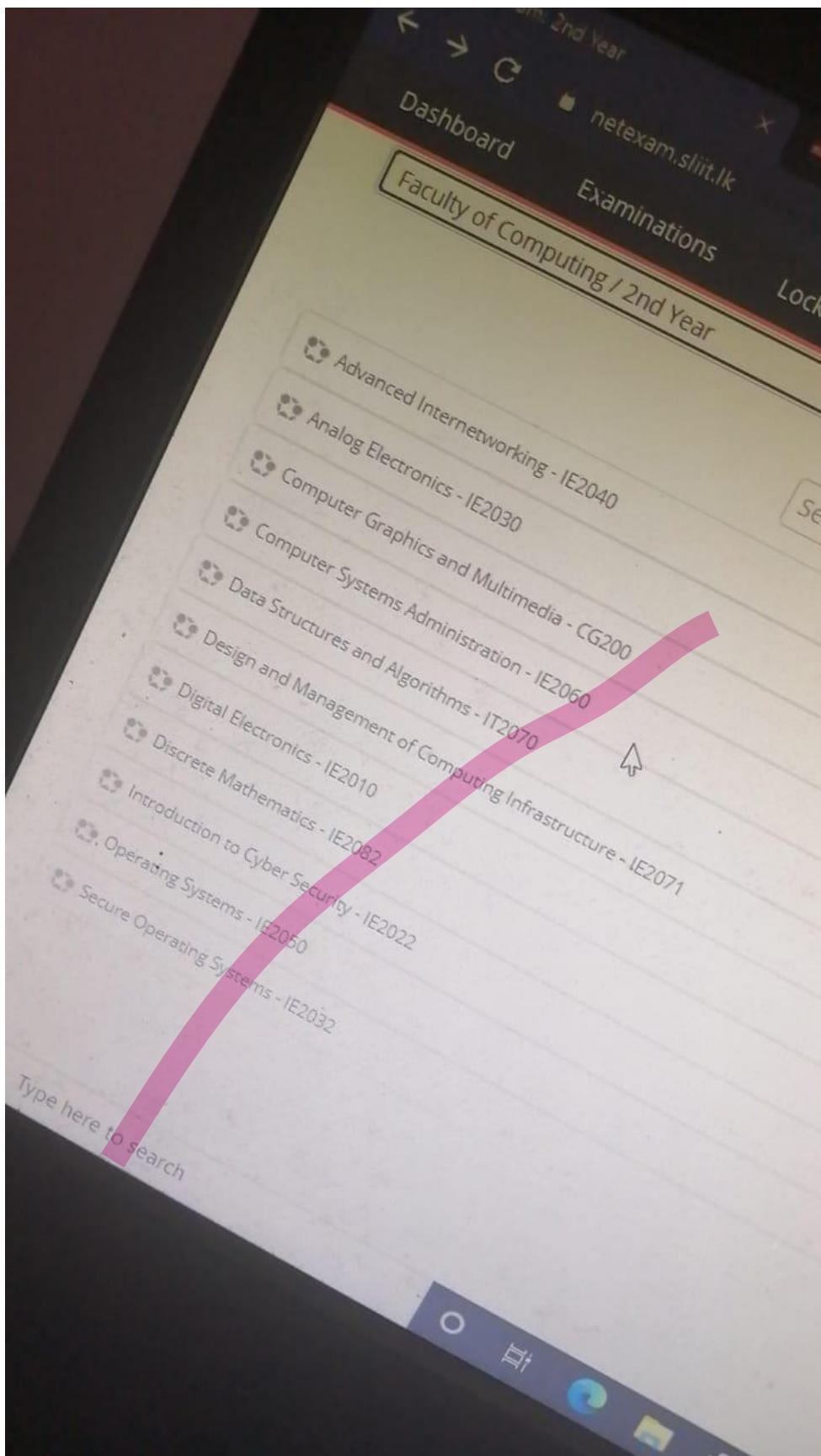
Select one:

- a. Only a) is correct.
- b. Only b) is correct.
- c. Only a) and b) are correct.
- d. All are correct
- e. None of the above

Which of the following are library function(s)?

Select one:

- a. waitpid()
- b. fork()
- c. read()
- d. exec()
- e. None of the above



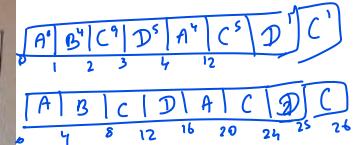
Given the following set of processes with their arrival times and burst times:

Process	Arrival Time	Burst Time
A	0	8
B	1	4
C	2	9
D	3	5

Calculate the average turnaround time for Round Robin algorithm with quantum=4ms.

Select one:

- a. 18.20
- b. 18.45
- c. 18.35
- d. 18.00
- e. 18.25



$$20 - 0 = 20$$

$$8 - 1 = 7$$

$$26 - 2 = 24$$

$$25 - 3 = 22$$

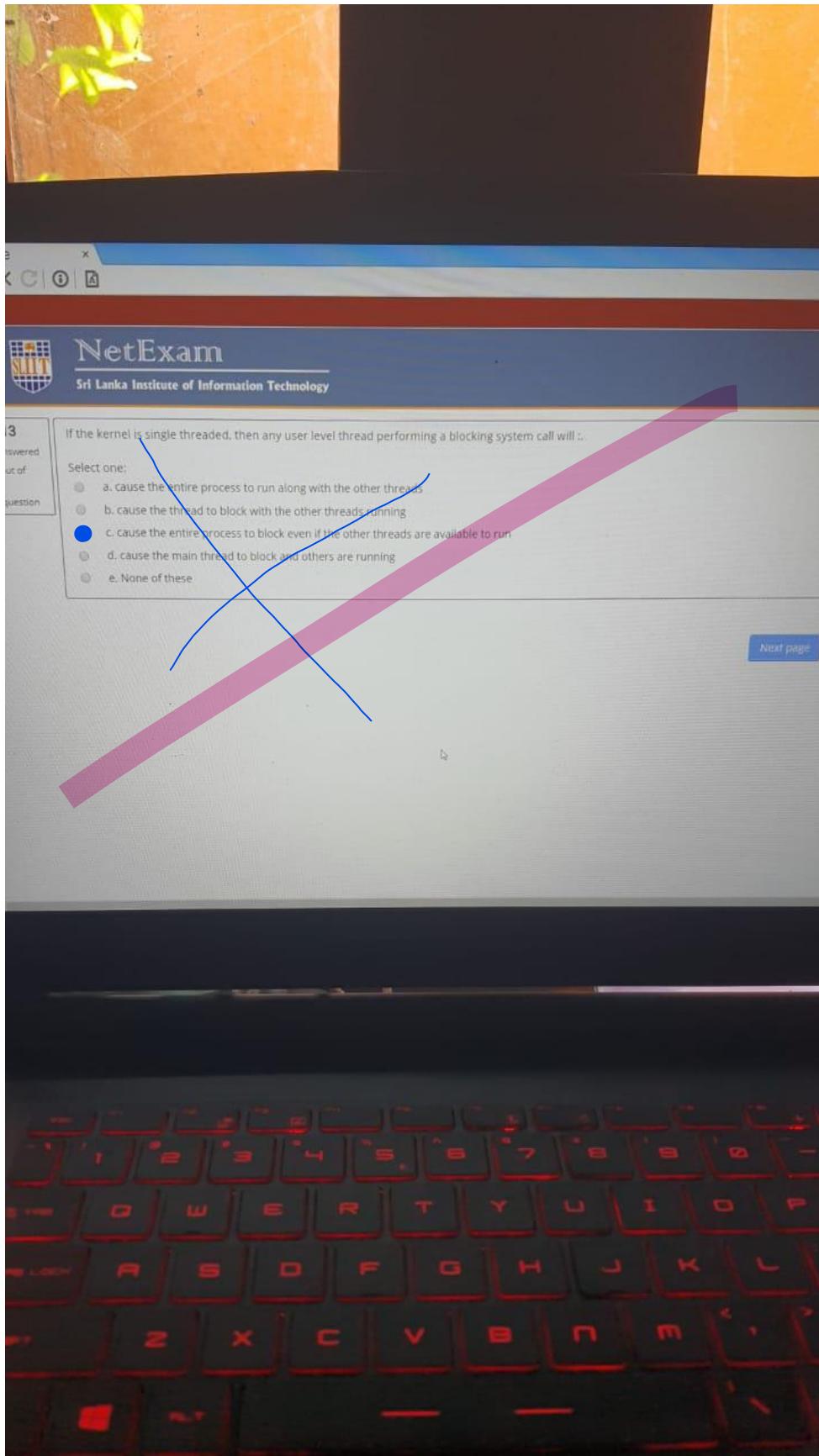
$$\frac{73}{4} = 18.$$



Which is not a service of the operating system?

Select one:

- a. File-system manipulation
- b. Process communication
- c. Resource allocation
- d. Accounting of the resource usage
- e. Virus detection



Which of the following are non-privileged instructions?

Select one:

- a. Setting the system time
- b. Changing the base register value
- c. Reading the system time
- d. Erasing the memory content
- e. Switch from kernel mode to user mode

Moodle

X C / i / D

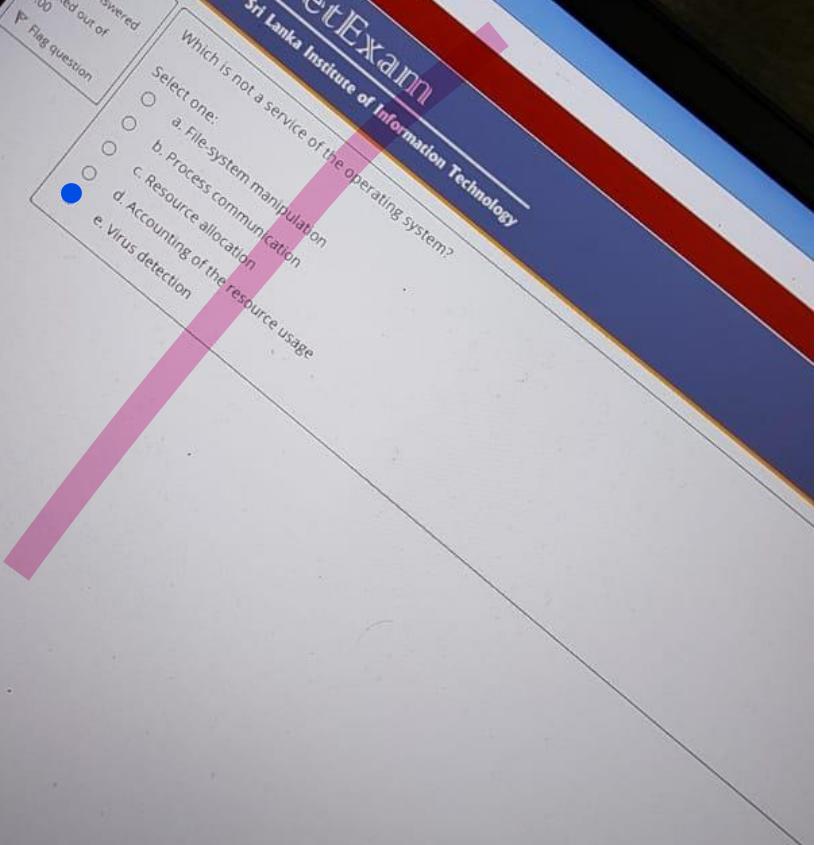
NetExam
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Question 2
Not yet answered
Marked out of 1.00
Flag question

Which is not a service of the operating system?

Select one:

- a. File-system manipulation
- b. Process communication
- c. Resource allocation
- d. Accounting of the resource usage
- e. Virus detection



Moodle

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Question 5

Not yet answered

Marked out of 1.00

Flag question

A process which has just terminated but has yet to release its resources is called:

Select one:

-
- a. A suspended process
- b. A zombie process
- c. A blocked process
- d. A terminated process
- e. An orphan process

MacBook



2

Answered
out of
question

Consider the following statements regarding sockets:

- A. Socket is a communication end point with IP address and port number.
- B. Each port number has 16 bits number.
- C. Port numbers below 1024 are already reserved for servers
- D. Every client program needs a port number for the communication.

Which of the following is correct:

Select one:

- a. Only A. is correct.
- b. Only B and C. are correct.
- c. Only A. and C. are correct.
- d. All are correct
- e. None of the above



3

Answered
out of
question

Consider the following statements regarding the processes and threads:

- a) Processes creation is faster than thread creation.
- b) Inter thread communication is much faster than the inter process communication.
- c) User level threads are slower than the kernel level threads.

Select one:

- a. Only a) is correct.
- b. Only b) is correct.
- c. Only b) and c) are correct.
- d. All are correct
- e. None of the above

← → × C | ⓘ | ⌂

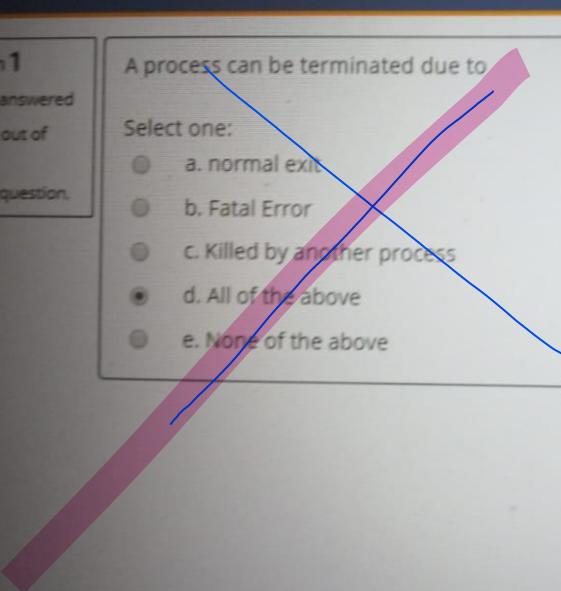
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Question 1
Not yet answered
Marked out of 1.00
Flag question.

A process can be terminated due to

Select one:

- a. normal exit
- b. Fatal Error
- c. Killed by another process
- d. All of the above
- e. None of the above



Moodle

← → × C | ⓘ | ⌂

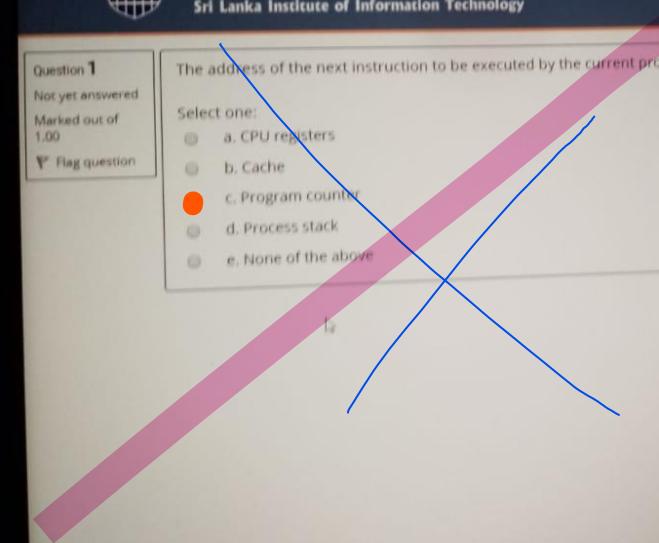
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Question 1
Not yet answered
Marked out of 1.00
Flag question.

The address of the next instruction to be executed by the current process is provided by the

Select one:

- a. CPU registers
- b. Cache
- c. Program counter
- d. Process stack
- e. None of the above



Moodle

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2
Answered
out of
question

A process which has just terminated but has yet to release its resources is called _____.

Select one:

- a. A suspended process
- b. A zombie process**
- c. A blocked process
- d. A terminated process
- e. An orphan process

?

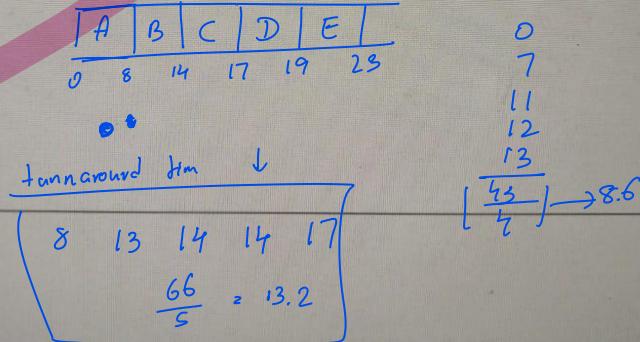
Given the following set of processes with their arrival times and burst times:

Process	Arrival Time	Burst Time
A	0	8
B	1	6
C	3	3
D	5	2
E	6	4

Calculate the average waiting time for First Come First Serve algorithm.

Select one:

- a. 8.8
- b. 8.0
- c. 8.2
- d. 8.6
- e. 8.4



Next page



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1
answered
out of
question

Consider the following statements regarding sockets:

- A. Socket is a communication end point with IP address and port number.
- B. Each port number has 16 bits number.
- C. Port numbers below 1024 are already reserved for servers.
- D. Every client program needs a port number for the communication.

Which of the following is correct:

Select one:

- a. Only A. is correct.
- b. Only B and C. are correct.
- c. Only A. and C. are correct.
- d. All are correct
- e. None of the above

Next page

Module

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Question 2
1 answered
1 out of
1 question

Given the following set of processes with their arrival times and burst times:

Process	Arrival Time	Burst Time
A	0	8
B	1	6
C	3	3
D	5	2
E	6	4

Calculate the average turnaround time for First Come First Serve algorithm.

Select one:

- a. 13.6
- b. 13.4
- c. 12.8
- d. 13.0
- e. 13.2

1 + 2

Which is not a service of the operating system?

Select one:

- a. File-system manipulation
- b. Process communication
- c. Resource allocation
- d. Accounting of the resource usage
- e. Virus detection

Moodle

X C | ⓘ | ⌂

SLIIT

NetExam! Sri Lanka Institute of Information Technology

Question 3 Not yet answered Marked out of 1.00

Flag question

Switching the CPU to another process requires to save state of the old process and loading new process.

Select one:

- a. Process Blocking
- b. Context Switch
- c. Time Sharing
- d. Process loading
- e. None of the above

What is the ready state of a process?

Select one:

- a. When process is scheduled to run after some execution
- b. When process is unable to run until some task has been completed
- c. When process is using the CPU
- d. When process is ready to execute an I/O operation
- e. None of the above

Moodle

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Question 2
Not yet answered
Marked out of 0
Flag question

The state of a process after it encounters an I/O instruction is, _____

Select one:

- a. Ready
- b. Waiting ✓
- c. Idle
- d. Run
- e. New

Moodle

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1
Answered
out of
question

Given the following set of processes with their arrival times and burst times.

Process	Arrival time in milliseconds	Burst time in milliseconds
A	0	8
B	1	3
C	5	2
D	7	3

Use round-robin (quantum = 3 milliseconds) scheduling considering the context switching time as 0.2 milliseconds.

Compute the average waiting time.

Select one:

- a. 5.51ms
- b. 5.15ms
- c. 20.6ms
- d. 9.0ms
- e. 4.8ms

MacBook Pro

esc ! @ # \$ % ^ { }

Moodle

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Question 6
Not yet answered
Marked out of 00
Tag question

Consider the following statements related to the Operating System:

a) The main goal of SPOOLING is to maximize the utilization of IO devices and CPU.

b) The main goal of the Multiprogramming is to maximize the CPU utilization.

c) The main goal of the Time sharing system is to maximize the resource sharing.

Select one:

a. Only a) is correct.

b. Only b) is correct.

c. Only a) and c) are correct.

d. All are correct

e. None of the above

MacBo

Moodle

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Question 1 Not yet answered Marked out of 1.00 ▾ Flag question

Which of the following are non-privileged instructions?

Select one:

- a. Setting the system time
- b. Changing the base register value
- c. Reading the system time
- d. Erasing the memory content
- e. Switch from kernel mode to user mode

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1
nswered
out of
question

Why does the system select a new process to run?

a) When process switches from running to waiting state. ●

b) Switches from running to ready state ●

c) Switches from waiting to ready state ●

Select one:

a. Only a) is correct.

b. Only b) is correct.

c. Only a) and b) are correct.

d. All are correct

e. None of the above

Google

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1
answered
out of
question

Consider the following statements regarding the processes scheduling:

a) Short term scheduler is faster than the medium term scheduler.
b) Context switching between kernel level threads are faster than the user level threads.
c) Ready queue is implemented with first in first out policy.

Select one:

a. Only a) is correct.
 b. Only b) is correct.
 c. Only b) and c) are correct.
 d. All are correct.
 e. None of the above

Moodle

→ X | i | +

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Question 1
Not yet answered
Marked out of 0
Flag question

Consider the following set of processes with their arrival time, priority, and burst time. If the preemption is not allowed, compute the average waiting time.

Processes	Arrival Time	Priority	Burst Time
A	0	3	6
B	2	2	4
C	5	2	2
D	7	1	4

Select one:

- a. 3 seconds
- b. 3.75 seconds
- c. 4 seconds
- d. 4.45 seconds
- e. None of the above

Given the following set of processes with their arrival times and burst times:

Process	Arrival Time	Burst Time
A	0	8
B	1	6
C	3	3
D	5	2
E	6	4

Calculate the average turnaround time for First Come First Serve algorithm.

Select one:

- a. 13.6
- b. 13.2
- c. 13.4
- d. 13.0
- e. 12.8

Given the following set of processes with their arrival times and burst times.

Process	Arrival time in milliseconds	Burst time in milliseconds
A	0	8
B	1	3
C	5	2
D	7	3

Use round-robin (quantum = 3 milliseconds) scheduling considering the context switching time as 0.2 milliseconds.

Compute the average waiting time.

Select one:

- a. 5.51ms
- b. 5.15ms
- c. 20.6ms
- d. 9.0ms
- e. 4.8ms



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Consider the following statements regarding operating system:

- A. Most of the system calls are implemented using the assembly language and C language ✓
- B. Current operating systems are based on the modules concept ✓
- C. Modern operating systems are interrupt driven ✓
- D. Modern operating systems are always real time X

Which of the following is correct:

Select one:

- a. Only A. and B. are correct.
- b. Only A, B and C. are correct.
- c. Only A. and C. are correct.
- d. All are correct
- e. None of the above

acer

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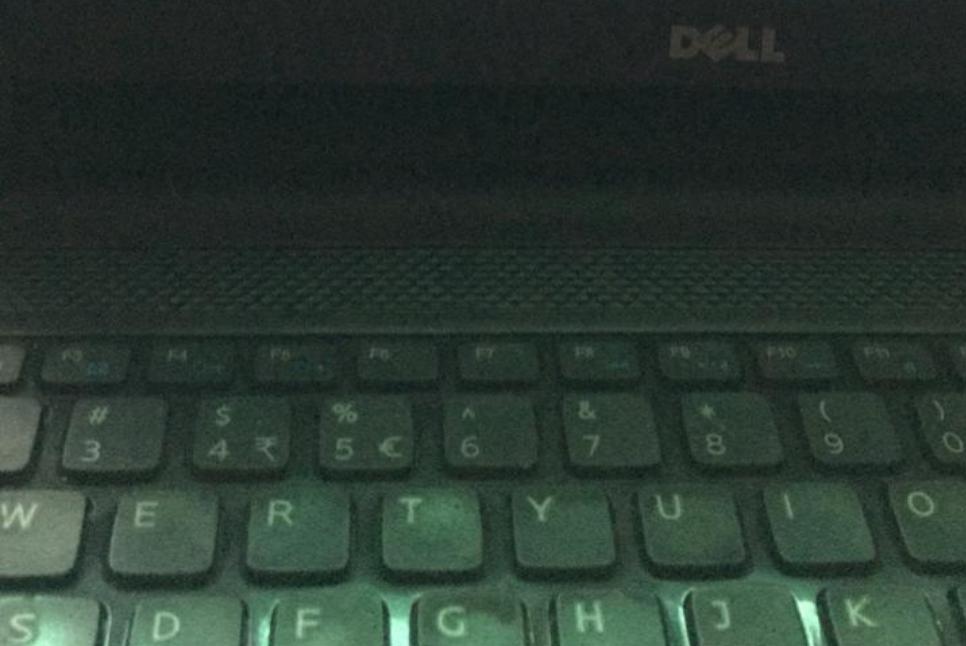
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Thread-specific data is:

Select one:

- a. Not associated with any process.
- b. Has been modified by the thread but not yet updated to the parent process.
- c. Is generated by the thread independent of the thread's process.
- d. Is copied and not shared with the other threads
- e. None of the above







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Which scheduler moves the process from new state to ready state?

Select one:

- a.
CPU scheduler
- b.
Long term scheduler
- c.
Short term scheduler
- d.
Medium term scheduler
- e. None of the above



In a computer system, assume that ten processes arrive every minute, and there are normally 8 processes in the queue. Compute the average waiting time per process by Little's formula.

Select one:

- a. 8 seconds
- b. 0.8 seconds
- c. 4.8 seconds
- d. 48 seconds
- e. None of the above

Next p

← → X C | ① | ②



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Question 1

Not yet answered

Marked out of

1.00

Flag question

If the kernel is single threaded, then any user level thread performing a blocking system call will:

Select one:

- a. cause the entire process to run along with the other threads
- b. cause the thread to block with the other threads running
- c. cause the entire process to block even if the other threads are available to run
- d. cause the main thread to block and others are running
- e. None of these

Quiz nav

Finish attempt
Time left 0:59:4

1 2 3

Next page

FEED BACK

31

Moodle

← × C | O | R

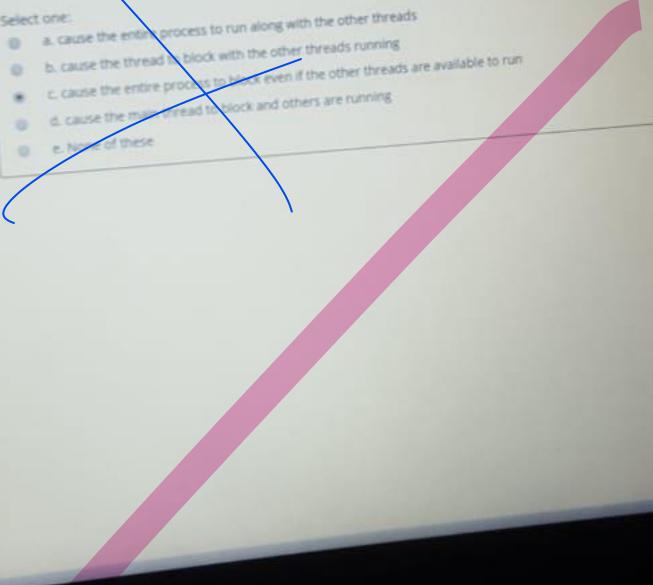
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Question 1
Not yet answered
Marked out of 1.00
Flag question

if the kernel is single threaded, then any user level thread performing a blocking system call will :

Select one:

- a. cause the entire process to run along with the other threads
- b. cause the thread to block with the other threads running
- c. cause the entire process to block even if the other threads are available to run
- d. cause the main thread to block and others are running
- e. None of these



Moodle

← → × C | ① | A

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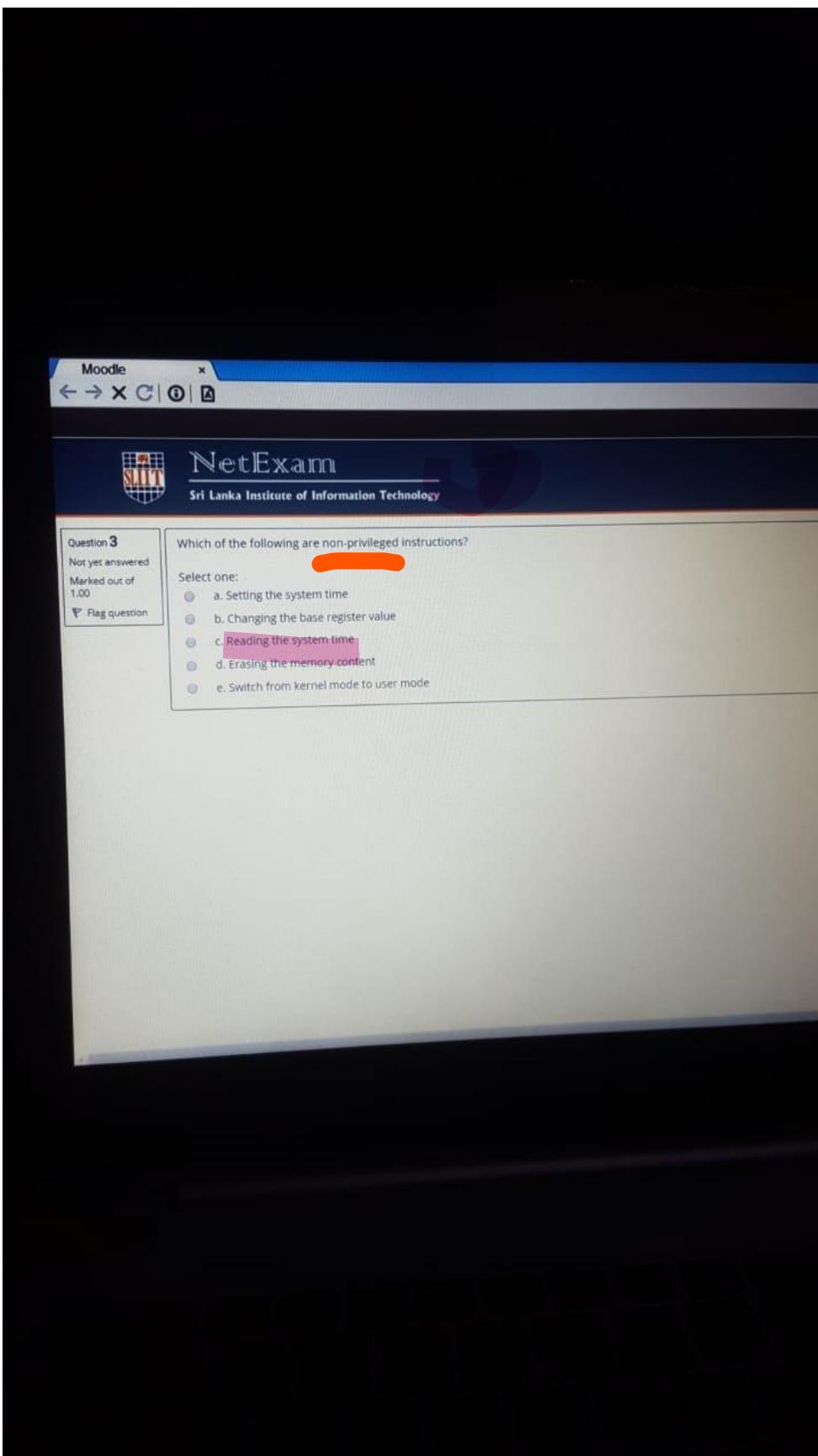
Question 2
Not yet answered
Marked out of 1.00
Flag question

Consider the following statements related to the CPU scheduling:

a) Medium term scheduler is available in Time shared system.
b) Short term scheduler controls the degree of multiprogramming.
c) Long term scheduler is faster than the short term scheduler.

Select one:

b a. Only a) is correct.
b. Only b) is correct.
c. Only a) and b) are correct.
d. All are correct.
e. None of the above



Moodle

← → × C | ⓘ | A

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Question 4
Not yet answered.
Marked out of 1.00
 Flag question

Given the following set of processes with their arrival times and burst times:

Process	Burst Time	Priority
A	9	5
B	4	3
C	5	1
D	7	2
E	3	4

Calculate the average waiting time for Priority Scheduling algorithm.

Select one:

- a. 10.6
- b. 10.4
- c. 10.8
- d. 10.0
- e. 10.2

Next

Moodle

← → X C | ① | ②

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Question 5
Not yet answered
Marked out of 1.00
Flag question

Which is not a state of the process?

Select one:

- a. Blocked
- b. New
- c. Run
- d. Ready
- e. Privileged

Moodle

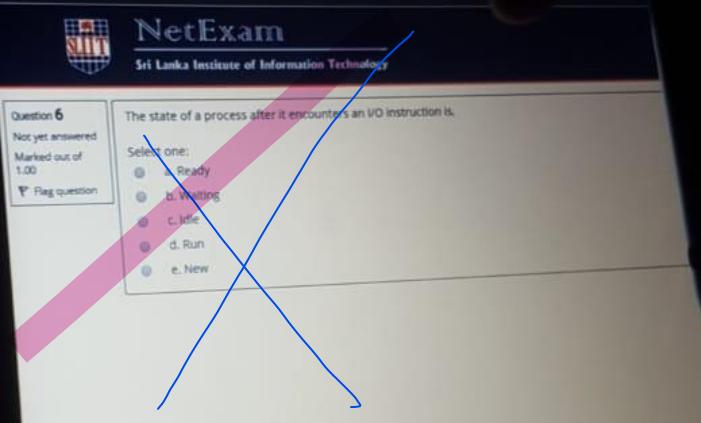
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Question 6
Not yet answered
Marked out of 1.00
Flag question

The state of a process after it encounters an I/O instruction is:

Select one:

- a. Ready
- b. Waiting
- c. Idle
- d. Run
- e. New



Moodle ← → C | ① | ②

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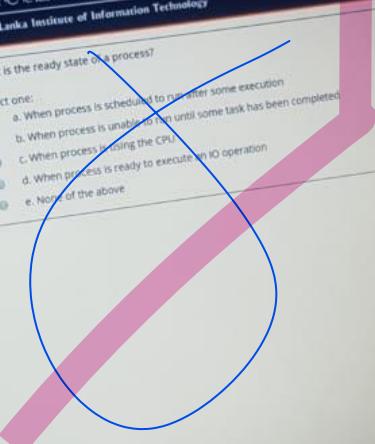
Question 7
Not yet answered
Marked out of 1.00
Flag question

What is the ready state of a process?

Select one:

- a. When process is scheduled to run after some execution
- b. When process is unable to run until some task has been completed
- c. When process is using the CPU
- d. When process is ready to execute an IO operation
- e. None of the above

[Submit answer](#)



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Question 8
Not yet answered
Marked out of 1.00
Flag question

Consider the following statements regarding the processes and threads:

a) Process creation is faster than thread creation.
b) Inter thread communication is much faster than the inter process communication.
c) User level threads are slower than the kernel level threads.

Select one:

a. Only a) is correct.
 b. Only b) is correct.
 c. Only b) and c) are correct.
 d. All are correct.
 e. None of the above.

Moodle ← → C | ① | ②

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Question 9
Not yet answered
Marked out of 1.00
Flag question

In a computer system, assume that ten processes arrive every minute, and there are normally 8 processes in the queue. Compute the average waiting time per process by Little's formula.

Select one:

- a. 8 seconds
- b. 0.8 seconds
- c. 4.8 seconds
- d. 48 seconds
- e. None of the above

Moodle

← → X C | ① | ↻

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Question 10
Not yet answered
Marked out of 1.00
Flag question

Consider the following statements for interrupt handling:

2. Run the Interrupt Service Routine (ISR)
3. Current state is saved in Process Control Block (PCB)
4. Interrupt received through the Interrupt Request Line (IRL)
5. Resume the suspended process
6. operating system suspend the current process
7. Access the Interrupt Vector (IV)

Find the correct order of the interrupt handling:

Select one:

- a. C, E, B, F, A, D.
- b. C, B, E, F, A, D.
- c. C, E, B, A, F, D.
- d. C, E, F, B, A, D.
- e. None of the above

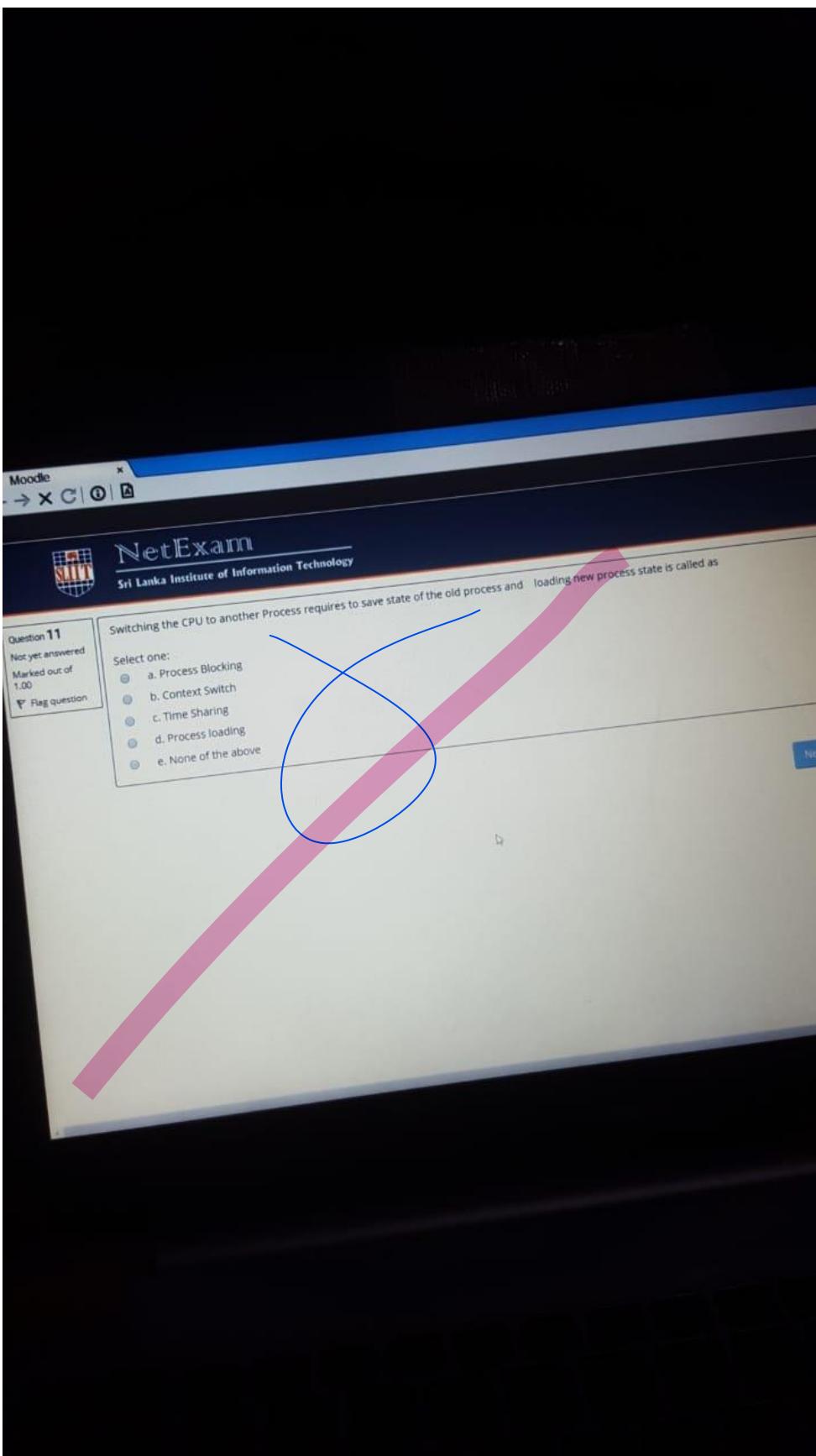


Consider the following statements regarding the processes scheduling:

- a) Short term scheduler is faster than the medium term scheduler.
- b) Context switching between kernel level threads are faster than the user level threads.
- c) Ready queue is implemented with first in first out policy.

Select one:

- a. Only a) is correct.
- b. Only b) is correct.
- c. Only b) and c) are correct.
- d. All are correct
- e. None of the above



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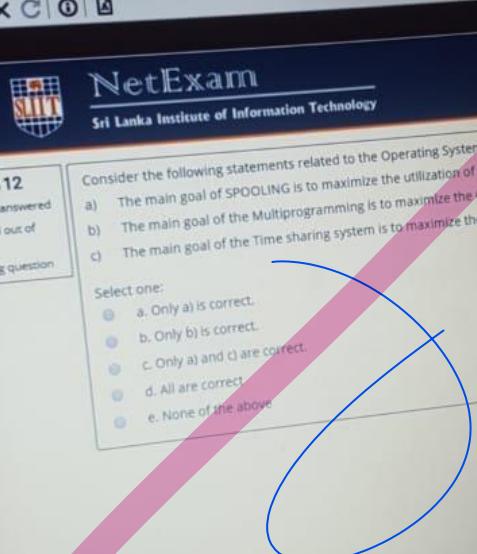
Question 12
Not yet answered
Marked out of 1.00
Flag question

Consider the following statements related to the Operating System:

a) The main goal of SPOOLING is to maximize the utilization of IO devices and CPU.
b) The main goal of the Multiprogramming is to maximize the CPU utilization.
c) The main goal of the Time sharing system is to maximize the resource sharing.

Select one:

a. Only a) is correct.
 b. Only b) is correct.
 c. Only a) and c) are correct.
 d. All are correct.
 e. None of the above



Moodle

← → × C | ① | ②

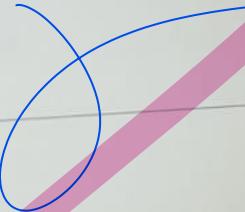
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Question 13
Not yet answered
Marked out of 1.00
Flag question

The address of the next instruction to be executed by the current process is provided by the.

Select one:

- a. CPU registers
- b. Cache
- c. Program counter
- d. Process stack
- e. None of the above



Moodle

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Question 14
Not yet answered
Marked out of 1.00
Flag question

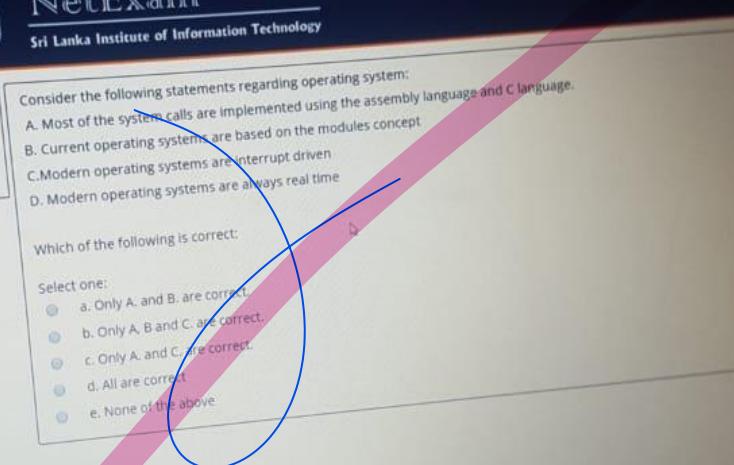
Consider the following statements regarding operating system:

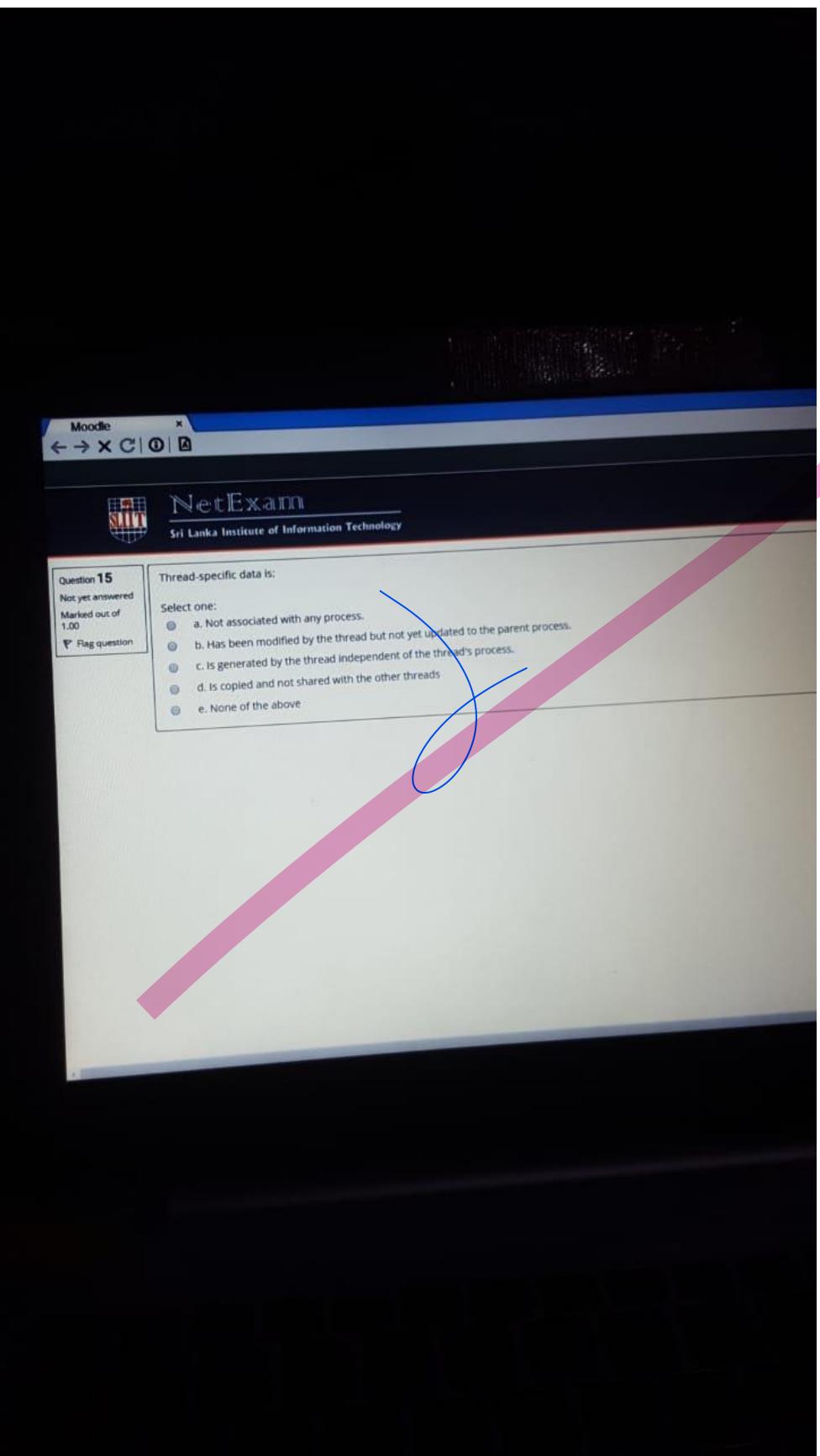
A. Most of the system calls are implemented using the assembly language and C language.
B. Current operating systems are based on the modules concept.
C. Modern operating systems are interrupt driven
D. Modern operating systems are always real time

Which of the following is correct:

Select one:

a. Only A. and B. are correct.
 b. Only A, B and C. are correct.
 c. Only A. and C. are correct.
 d. All are correct
 e. None of the above.





Moodle

← → × C | ①

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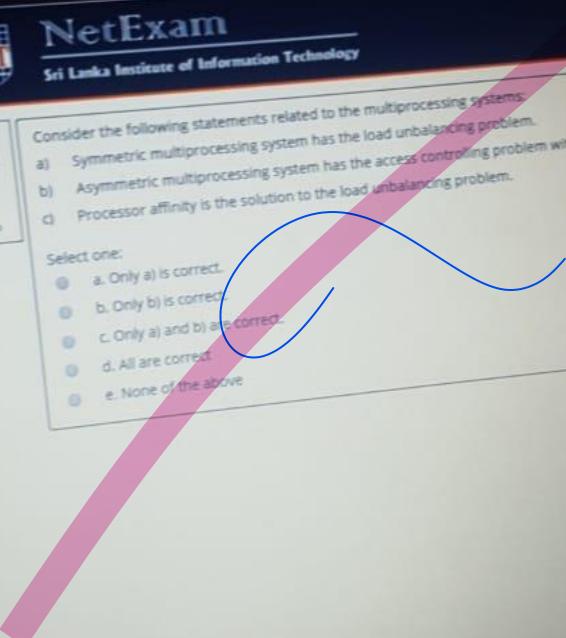
Question 16
Not yet answered
Marked out of 1.00
Flag question

Consider the following statements related to the multiprocessing systems:

a) Symmetric multiprocessing system has the load unbalancing problem.
b) Asymmetric multiprocessing system has the access controlling problem with shared data.
c) Processor affinity is the solution to the load unbalancing problem.

Select one:

a. Only a) is correct.
 b. Only b) is correct.
 c. Only a) and b) are correct.
 d. All are correct.
 e. None of the above



Moodle

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Question 16
Not yet answered
Marked out of 1.00
Flag question

Consider the following statements related to the multiprocessing systems:

a) Symmetric multiprocessing system has the load unbalancing problem.
b) Asymmetric multiprocessing system has the access controlling problem with shared data.
c) Processor affinity is the solution to the load unbalancing problem.

Select one:

a. Only a) is correct.
 b. Only b) is correct.
 c. Only a) and b) are correct.
 d. All are correct
 e. None of the above

