



Sri Lanka Institute of Information Technology

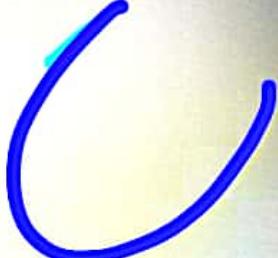
2  
answered  
1 out of 1.0  
question

What is the output of Line B?

```
int value = 5;  
  
int main ()  
{  
    pid = fork();  
  
    if(pid == 0) {  
        value = value + 15;  
    }  
    else if(pid > 0) {  
        wait(NULL); // Line A  
        printf("Parent: value = %d\n", value); // Line B  
    }  
  
    return (0);  
}
```

Select one:

- a. Parent: value = 15
- b. None of the given
- c. Parent: value = 5
- d. Parent: value = 20
- e. Parent: value = 0



Add a caption...



> SLIIT





Moodle

← → × C | ① | □

### Online Exams

Sri Lanka Institute of Information Technology

SLIIT

Question 3

Not yet answered

Marked out of 1.0

Flag question

This is not a necessary condition to have a deadlock in a computer system.

Select one:

- a. Mutual exclusion
- b. No preemption condition
- c. Hold and wait condition
- d. Progress condition
- e. Circular condition

D

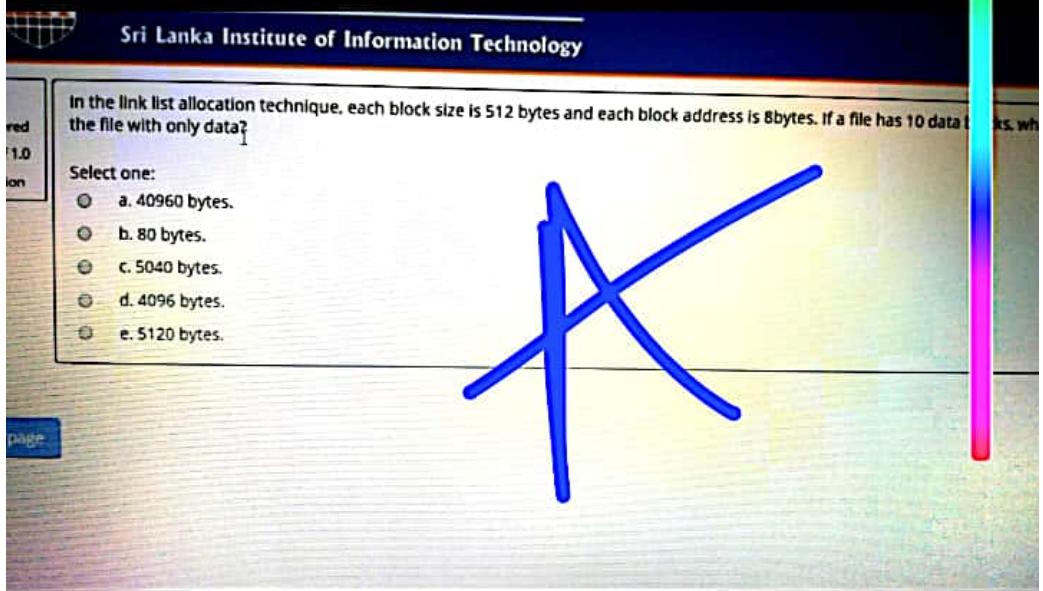


Add a caption...



> SLIIT





Add a caption...



> SLIIT





Sri Lanka Institute of Information Technology

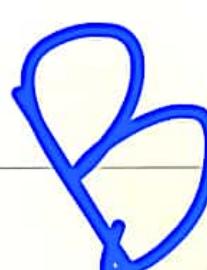
Consider the following statements related to the CPU scheduling:

- 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:

- 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

Next page



Add a caption...



> SLIIT





Question 9  
Not yet answered  
Marked out of 1.0  
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:

- 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

Previous question



Add a caption...



> SLIIT





Online Exams  
Sri Lanka Institute of Information Technology

Section 40  
10 questions answered  
Marked out of 10  
Flag question

Which of the following statement(s) is incorrect about the command given below?

Select one:

- a. Read permission is granted for the file owner.
- b. None of the given.
- c. Owning group is given read and executable permission.
- d. Write permission is granted for the file owner.
- e. File owner is given executable permission.

**C**

Mark answer

Time left: 0:29:42



Add a caption...



> SLIIT





Online Exams  
Sri Lanka Institute of Information Technology

Question 13  
Not yet answered  
Marked out of 1.0  
Flag question

What is the output of Line B?

```
int value = 5;
int main()
{
    pid = fork();
    if(pid == 0)
        value = value + 15;
    else if(pid > 0)
        wait(NULL); // Line A
        printf("Parent: value = %d\n", value); // Line B
    }
    return 0;
}
```

Select one:

- a. Parent: value = 0
- b. Parent: value = 20
- c. Parent: value = 15
- d. None of the given
- e. Parent: value = 5



Add a caption...



> SLIIT





**Online Exams**

Sri Lanka Institute of Information Technology

If the semaphore is implemented using the block and wake up technique, if there is one process waiting for the semaphore in the waiting queue. What is the value of the semaphore at this time?

Select one:

- a. -1
- b. 2
- c. 0
- d. -2 A
- e. 1

**X**



Add a caption...



> SLIIT





Online Exams

Sri Lanka Institute of Information Technology

Question 24

Not yet answered

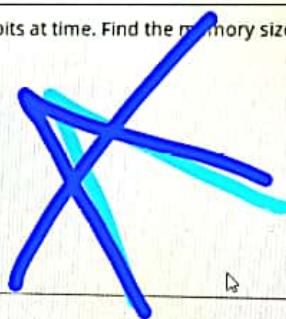
Marked out of 1.0

Flag question

A compute register can process 20 bits at time. Find the memory size.

Select one:

- a. 20MB
- b. 32GB
- c. 1GB
- d. 32KB
- e. 1MB



Previous page



Add a caption...



> SLIIT





Sri Lanka Institute of Information Technology

on 26  
1 answered  
out of 1.0  
ing 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 processes are created when the program is executed?

Select one:

- a. 16
- b. 32
- c. 31
- d. 33
- e. 15

Large blue X mark drawn over the question area.



Add a caption...



> SLIIT





Moodle

← → X C | ① | ②



Online Exams

Sri Lanka Institute of Information Technology

Question 28

Not yet answered

Marked out of 1.0

Flag question

A computer has 32GB virtual memory and 256MB RAM. If the page size is 16KB. Find the number of entries in the page table.

Select one:

- a.  $2^{16}$  pages
- b.  $2^{21}$  pages
- c.  $2^8$  pages
- d.  $2^{20}$  pages
- e.  $2^{19}$  pages

Previous page

Next page

D

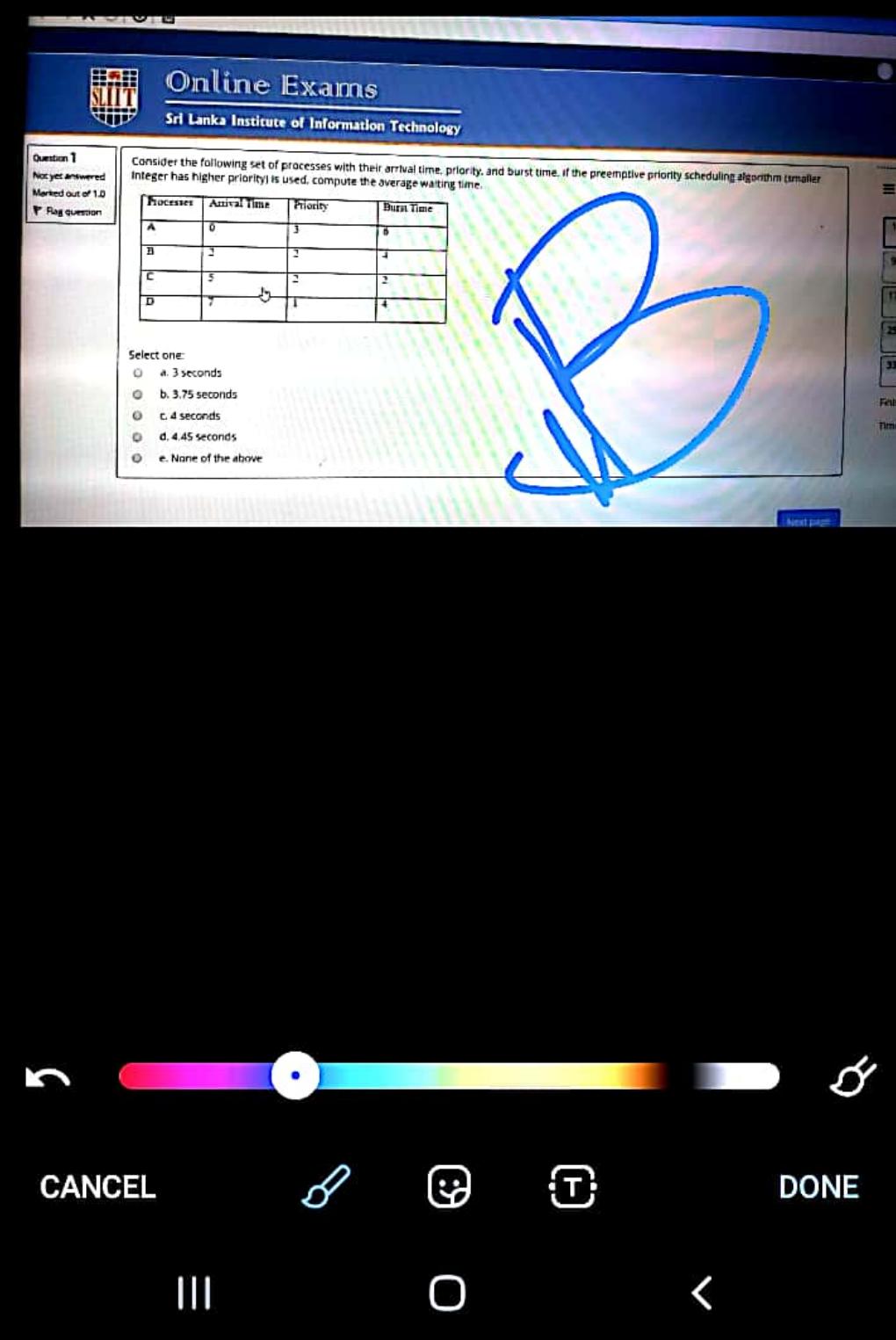


Add a caption...



> SLIIT





Online Exams

Sri Lanka Institute of Information Technology

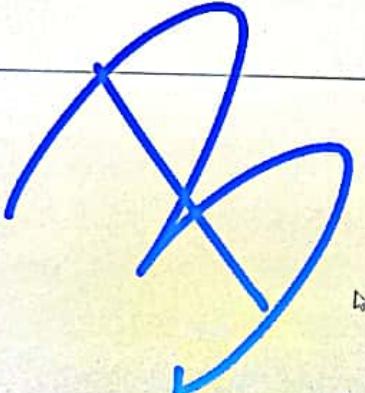
Question 3  
Not answered  
0.00 out of 1.00  
Flag question

Which is a memory allocation strategy in contiguous allocation?

Select one:

- a. Compaction
- b. Paging
- c. Segmentation
- d. Worst Fit
- e. Fast Fit

Previous page



CANCEL                     DONE

Moodle C | ① |

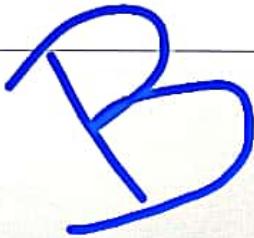
Online Exams  
Sri Lanka Institute of Information Technology

Question 5  
Not yet answered  
Marked out of 1.0

Disk requests come in the disk driver for cylinders 10, 22, 2, 40, 6, and 38, in that order. A seek takes 6 ms per cylinder moved. Assuming the arm is initially at cylinder 20, and moving toward larger cylinder number for a disk with 64 cylinders, how much seek time is needed for SCAN algorithm.

Select one:

- a. 624ms
- b. 348ms
- c. 928ms
- d. 696ms
- e. 56ms



Previous page Next page



CANCEL



DONE

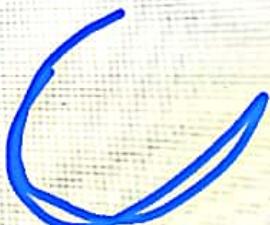


**Sri Lanka Institute of Information Technology**

A solution to the external fragmentation problem is

Select one:

- a. Swap out
- b. MMU
- c. Paging
- d. Segmentation
- e. Swap in



CANCEL



DONE



Online Exams  
Sri Lanka Institute of Information Technology

Question 5  
Attempted  
1 out of 1.0  
Next question

Disk requests come in the disk driver for cylinders 10, 22, 2, 40, 6, and 39 in that order. A seek takes 5 ms per cylinder moved. Assuming the arm is initially at cylinder 20, and moving toward larger cylinder number for a disk with 64 cylinders, how much seek time is needed for FIO algorithm?

Select one:

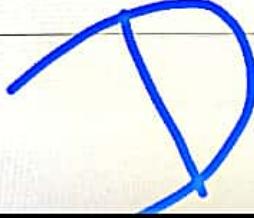
- a. 744ms
- b. 624ms
- c. 696ms
- d. 348ms
- e. 124ms

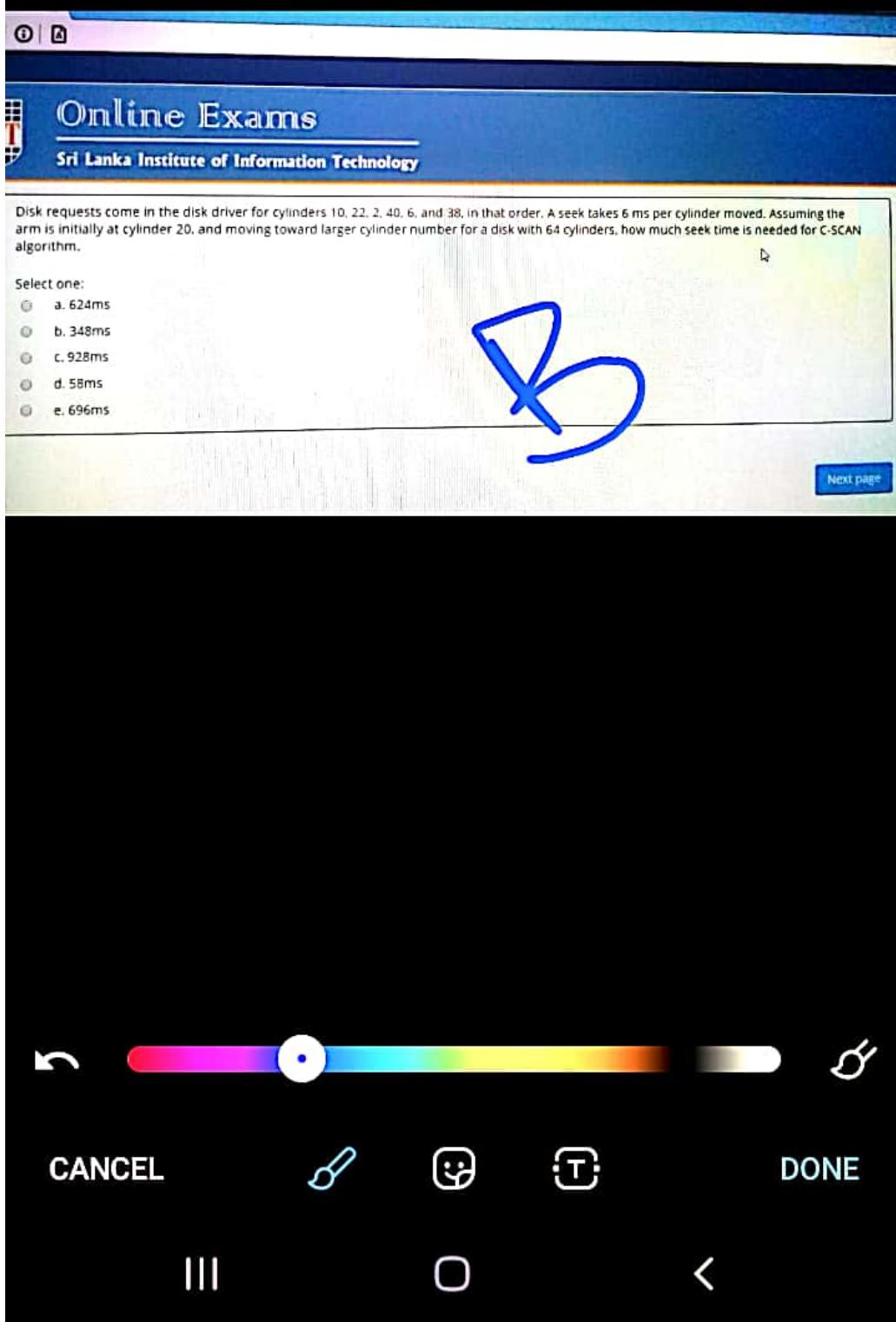
← previous page next page →

5  8

CANCEL DONE

||| <





SLIIT Online Exams  
Sri Lanka Institute of Information Technology

7 Answered  
out of 1.0  
Question

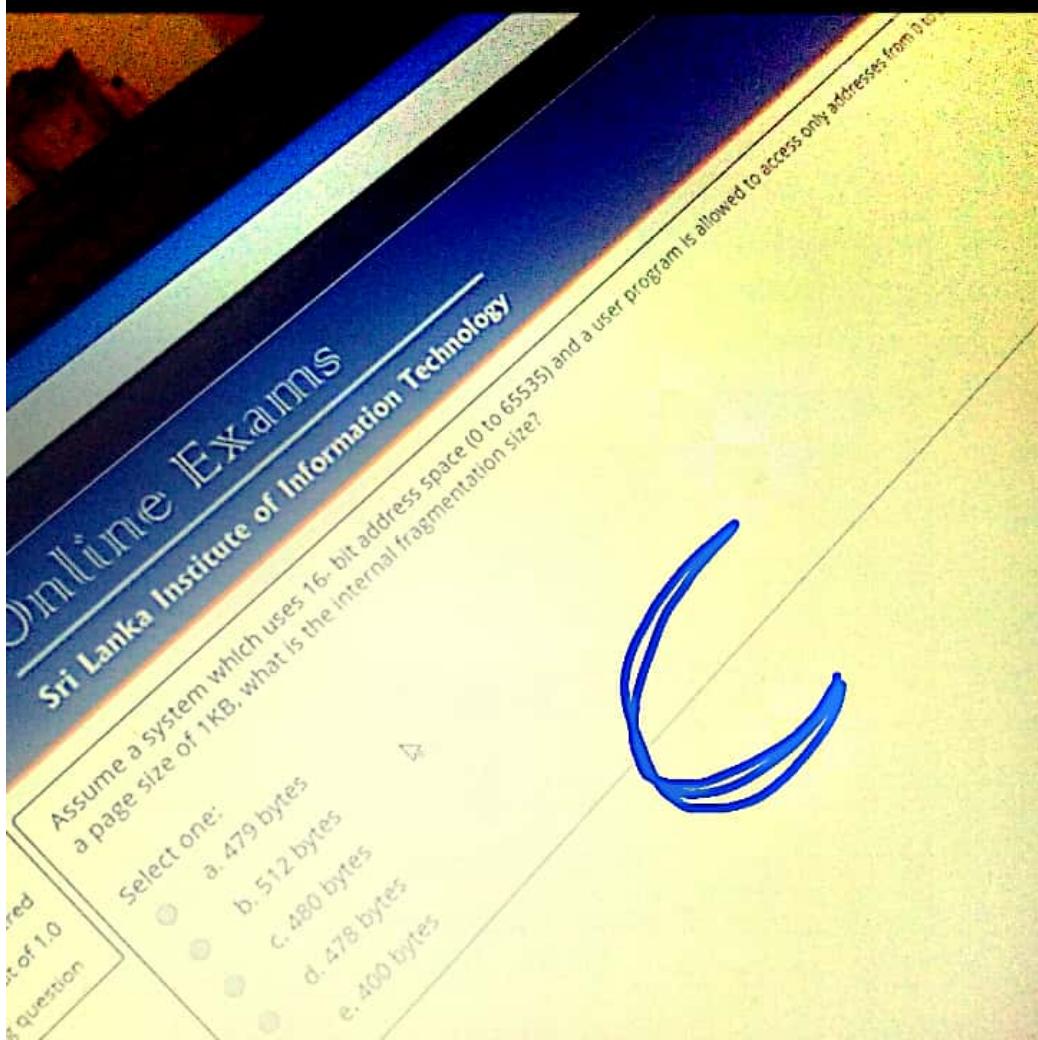
Which is a method of implementing the large page table in memory management?

Select one:

- a. Memory Map page table
- b. Swap out page Table
- c. Segmented Page table
- d. Swap in page Table
- e. Inverted page table

Cancel Done

Scanned with CamScanner



CANCEL



DONE

Moodle

Online Exams

Sri Lanka Institute of Information Technology

Question 25

Not yet answered

Marked out of 1.0

Flag question

A computer register can process 20 bits at time. Find the memory size.

Select one:

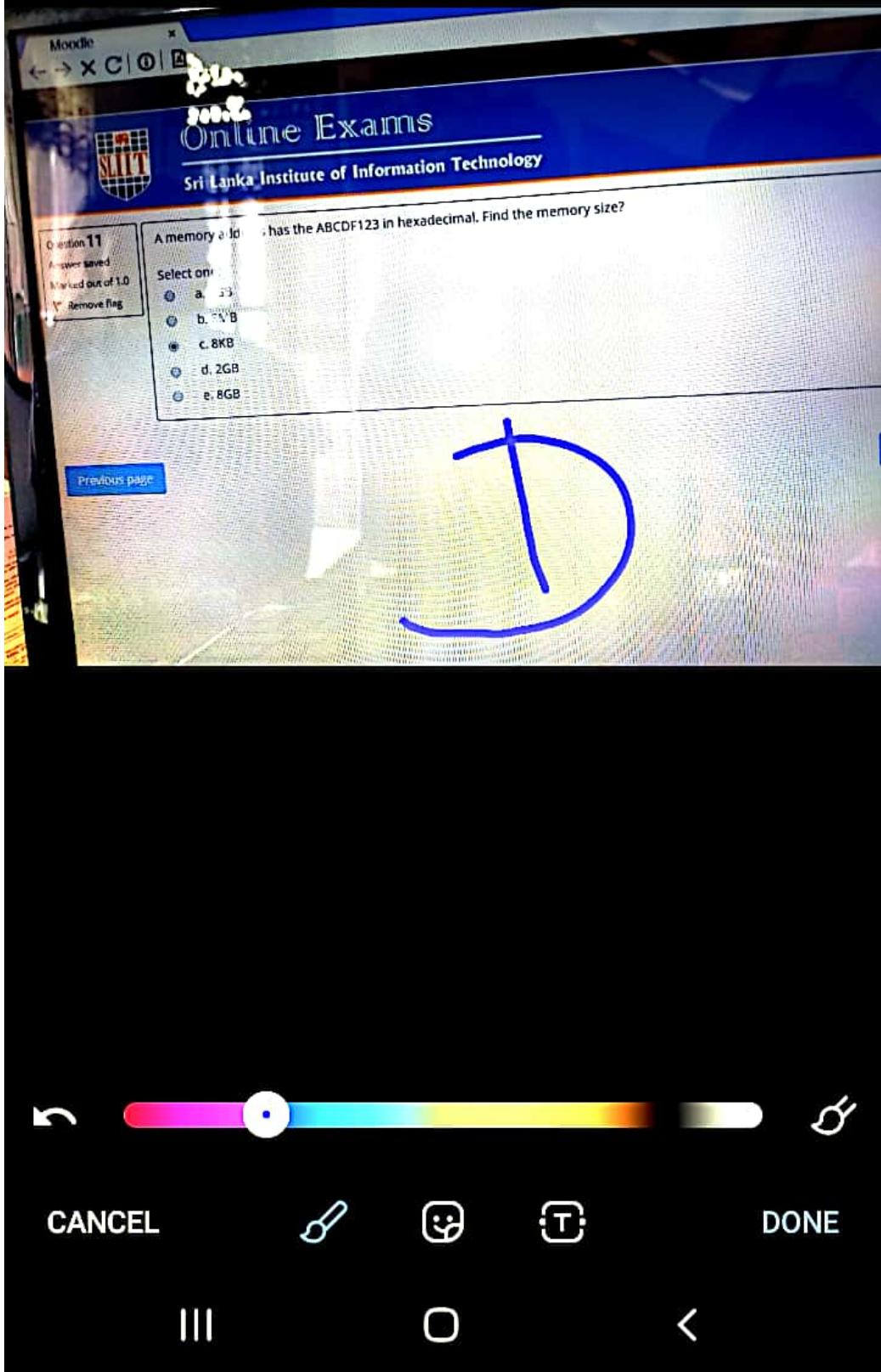
- a. 1GB
- b. 32KB
- c. 32GB
- d. 20MB
- e. 1MB



CANCEL



DONE



← 2747 of 2750 → :

Sri Lanka Institute of Information Technology

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



Hasitha  
08.06.20 at 10:28



CANCEL



DONE



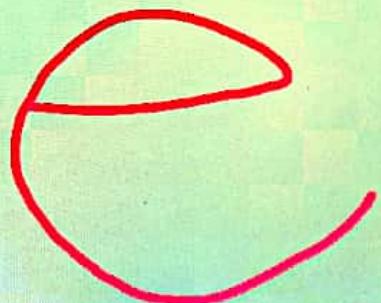
# Online Exams

Sri Lanka Institute of Information Technology

A computer register can process 20 bits at a time. Find the memory size.

Select one:

- a. 32KB
- b. 20MB
- c. 32GB
- d. 1MB
- e. 1GB



CANCEL



DONE





SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Sri Lanka Institute of Information Technology

The degree of Multiprogramming is controlled by,

Select one:

- a. CPU scheduler
- b. Long Term Scheduler
- c. Medium Term Scheduler
- d. Dispatcher
- e. None of the above



CANCEL



DONE





Online Exams  
Sri Lanka Institute of Information Technology

Question 12  
Not yet answered  
Marked out of 1.00

Hue and Saturation both together produce....

Select one or more:

- a. Chromaticity
- b. Reflectivity
- c. Brightness
- d. Radiance
- e. Transitivity

A large red 'X' has been drawn over the entire question area.



Add a caption...



> IUP තළුව 🌺☀️❤️

