

# CSE316 - OS MCQ with Answers

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Section [Unit 6] 6 of 6Question : 5 of 10Marks : 1Negative Marks : -25% on wrong answer

Test time left: 29:06Question time left: 01:36

Select the correct answer

Message passing system allows processes to \_\_\_\_\_

☒ communicate with each other without sharing the same address space

☐ communicate with one another by resorting to shared data

☐ share data

☐ name the recipient or sender of the message

Finish

Clear Response

Next »

Section [Unit 6] 6 of 6Question : 4 of 10Marks : 1Negative Marks : -25% on wrong answer

Test time left: 29:41Question time left: 01:28

Select the correct answer

In indirect communication between processes P and Q \_\_\_\_\_

☐ there is another process R to handle and pass on the messages between P and Q

☐ there is another machine between the two processes to help communication

☒ there is a mailbox to help communication between P and Q

☐ none of the mentioned

Finish

Clear Response

Next »

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Section [Unit 6] 6 of 6

Question : 3 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

X

Select the correct answer

Test time left: 30:16

Question time left: 01:24

What does the access matrix represent?

☒ Rows-Domains, Columns-Objects

☐ Rows-Objects, Columns-Domains

☐ Rows-Access List, Columns-Domains

☐ Rows-Domains, Columns-Access list

Finish

Clear Response

Next »

Section [Unit 6] 6 of 6

Question : 2 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

X

Select the correct answer

Test time left: 30:57

Question time left: 01:12

Which of the following statements are correct?

i) Physical separation – In which process use different physical objects like separate printers

ii) Physical separation – in which process having different security requirement at different times

iii) Logical separation – In which users operate under illusion that no other processes exist

iv) Logical separation – In which processes conceal their data and computations

☐ i

☒ i and iii

☐ ii and iii

☐ iii and iv

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Section [Unit 6] 6 of 6

Question : 1 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 31:47

Question time left: 01:37

The link between two processes P and Q to send and receive messages is called \_\_\_\_\_

☒ communication link

☐ message-passing link

☐ synchronization link

☐ all of the mentioned

Finish ↗

Clear Response

Next »

Section [Unit 5] 5 of 6

Question : 10 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 32:12

Question time left: 01:37

Each entry in a translation lookaside buffer (TLB) consists of \_\_\_\_\_

☐ constant

☐ bit value

☒ key

☐ value

Finish ↗

Clear Response

Next »

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Section [Unit 5] 5 of 6

Question : 9 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 32:45

Question time left: 01:28

What is compaction?

☐ a technique for overcoming internal fragmentation

☐ a paging technique

☒ a technique for overcoming external fragmentation

☐ a technique for overcoming fatal error

Finish ↗

Clear Response

Next »

Section [Unit 5] 5 of 6

Question : 8 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 33:35

Question time left: 00:30

What is Address Binding?

☐ going to an address in memory

☐ locating an address with the help of another address

☐ binding two addresses together to form a new address in a different memory space

☒ a mapping from one address space to another

Finish ↗

Clear Response

Next »

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Section [Unit 5] 5 of 6

Question : 7 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 35:09

Question time left: 00:53

User Program always deals with \_\_\_\_\_

☐ Absolute Addresses

☐ Physical Addresses

☒ Logical Addresses

☐ Relative Addresses

Finish ↗

Clear Response

Next »

Section [Unit 5] 5 of 6

Question : 6 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 36:19

Question time left: 01:30

Every address generated by the CPU is divided into two parts. They are \_\_\_\_\_

☐ frame bit & page number

☒ page number & page offset

☐ page offset & frame bit

☐ frame offset & page offset

Finish ↗

Clear Response

Next »

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Section [Unit 5] 5 of 6

Question : 5 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 36:59

Question time left: 01:33

If a higher priority process arrives and wants service, the memory manager can swap out the lower priority process to execute the higher priority process. When the higher priority process finishes, the lower priority process is swapped back in and continues execution. This variant of swapping is sometimes called?

☐ priority swapping

☐ pull out, push in

☒ roll out, roll in

☐ none of the mentioned

Section [Unit 5] 5 of 6

Question : 4 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 37:35

Question time left: 01:31

Binding of instructions and data to memory addresses can be done at \_\_\_\_\_

☐ Compile time

☐ Load time

☐ Execution time

☒ All of the mentioned

Finish ↗

Clear Response

Next »

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Section [Unit 5] 5 of 6

Question : 3 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 38:18

Question time left: 01:37

For larger page tables, they are kept in main memory and a \_\_\_\_\_ points to the page table.

☒ page table base register

☐ page table base pointer

☐ page table register pointer

☐ page table base

Finish

Clear Response

Next »

Section [Unit 5] 5 of 6

Question : 2 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 39:58

Question time left: 01:24

The address generated by the CPU is referred to as \_\_\_\_\_

☐ Physical address

☒ Logical address

☐ Neither physical nor logical

☐ Address Space

Finish

Clear Response

Next »

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Section [Unit 5] 5 of 6

Question : 1 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

X

Select the correct answer

Test time left: 42:09

Question time left: 01:52

Swap space is allocated \_\_\_\_\_

☐ as a chunk of disk

☐ separate from a file system

☐ into a file system

☐ all of the mentioned

Finish

Clear Response

Next »

Section [Unit 4] 4 of 6

Question : 10 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

X

Select the correct answer

Test time left: 43:20

Question time left: 01:48

An edge from process  $P_i$  to  $P_j$  in a wait for graph indicates that \_\_\_\_\_

☐  $P_i$  is waiting for  $P_j$  to release a resource that  $P_i$  needs

☐  $P_j$  is waiting for  $P_i$  to release a resource that  $P_j$  needs

☐  $P_i$  is waiting for  $P_j$  to leave the system

☐  $P_j$  is waiting for  $P_i$  to leave the system

Finish

Clear Response

Next »

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Section [Unit 4] 4 of 6

Question : 8 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 46:36

Question time left: 01:24

Which of the following is/are the examples of resources in the system?

☐ CPU cycles

☐ Memory space

☐ I/O devices

☒ All the mentioned

Finish ↗

Clear Response

Next »

Section [Unit 4] 4 of 6

Question : 7 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 47:21

Question time left: 01:23

In the sequential access method, information in the file is processed \_\_\_\_\_

☐ one disk after the other, record access doesnt matter

☒ one record after the other

☐ one text document after the other

☐ none of the mentioned

Finish ↗

Clear Response

Next »

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Section [Unit 4] 4 of 6 Question : 6 of 10 Marks : 1 Negative Marks : -25% on wrong answer 90% X

Select the correct answer Test time left: 48:51 Question time left: 00:50

The larger the block size, the \_\_\_\_\_ the internal fragmentation.

- ☒ greater
- ☐ lesser
- ☐ same
- ☐ none of the mentioned

Finish Clear Response Next »

Section [Unit 4] 4 of 6 Question : 5 of 10 Marks : 1 Negative Marks : -25% on wrong answer 90% X

Select the correct answer Test time left: 50:38 Question time left: 00:35

For a Hold and wait condition to prevail \_\_\_\_\_

- ☐ A process must be not be holding a resource, but waiting for one to be freed, and then request to acquire it
- ☒ A process must be holding at least one resource and waiting to acquire additional resources that are being held by other processes
- ☐ A process must hold at least one resource and not be waiting to acquire additional resources
- ☐ None of the mentioned

Finish Clear Response Next »

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Section [Unit 4] 4 of 6

Question : 4 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 53:59

Question time left: 01:53

For Mutual exclusion to prevail in the system \_\_\_\_\_

☐

at least one resource must be held in a non sharable mode

☐

the processor must be a uniprocessor rather than a multiprocessor

☐

there must be at least one resource in a sharable mode

☐

all of the mentioned

Finish ↗

Clear Response

Next »

Section [Unit 4] 4 of 6

Question : 3 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 55:17

Question time left: 01:10

If a resource allocation graph contains a cycle and and if several instances exists per resource type , then

☐

Deadlock

☐

No deadlock

☒

Possibility of a deadlock

☐

None of mentioned

Finish ↗

Clear Response

Next »

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Section [Unit 4] 4 of 6

Question : 2 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 57:22

Question time left: 01:19

One way to ensure that the circular wait condition never holds is to \_\_\_\_\_

☒ impose a total ordering of all resource types and to determine whether one precedes another in the ordering

☐ to never let a process acquire resources that are held by other processes

☐ to let a process wait for only one resource at a time

☐ all of the mentioned

Finish ↗

Clear Response

Next »

Section [Unit 4] 4 of 6

Question : 1 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 59:13

Question time left: 01:09

To \_\_\_\_\_ to a safe state, the system needs to keep more information about the states of processes.

☐ abort the process

☒ roll back the process

☐ queue the process

☐ none of the mentioned

Finish ↗

Clear Response

Next »

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Section [Unit 3] 3 of 6

Question : 5 of 5

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 01:00:51

Question time left: 00:45

Name the condition which occurs when 2 or more processes wants to access and update the shared variable at the same time?

☐ Race condition

☐ Dispatch latency

☐ Context switching

☐ None of the mentioned

Finish

Clear Response

Next »

Section [Unit 3] 3 of 6

Question : 4 of 5

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 01:02:22

Question time left: 00:14

Which process can be affected by other processes executing in the system?

☐ Independent processes

☒ Cooperating processes

☐ Initialization processes

☐ None the mentioned

Finish

Clear Response

Next »

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Section [Unit 3] 3 of 6

Question : 3 of 5

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 01:04:14

Question time left: 00:05

If a process is executing in its critical section, then no other processes can be executing in their critical section. This condition is called

☐ Progress

☐ Bounded waiting

☒ Mutual exclusion

☐ None of the mentioned

Section [Unit 2] 2 of 6

Question : 5 of 5

Marks : 1

Negative Marks : -25% on wrong answer

90%

×

Select the correct answer

Test time left: 01:10:56

Question time left: 00:46

Which of the following process is of lowest priority during multilevel feedback queue scheduling?

☐ Batch processes

☐ Interactive processes

☒ System processes

☐ None the mentioned

Finish ↗

Clear Response

Next »

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Section [Unit 2] 2 of 6

Question : 2 of 5

Marks : 1

Negative Marks : -25% on wrong answer

90%

Select the correct answer

Test time left: 01:18:06

Question time left: 01:55

Which of the following process is of highest priority during multilevel feedback queue scheduling?

☐ System processes

☐ Interactive processes

☐ Batch processes

☐ Student porcesses

Finish

Clear Response

Next (0)

Once you click next/finish, you will not be able to come back to this question later.

Section [Unit 2] 2 of 6

Question : 1 of 5

Marks : 1

Negative Marks : -25% on wrong answer

90%

Select the correct answer

Test time left: 01:19:57

Question time left: 01:44

Which CPU scheduling algorithm gives minimum average waiting time?

☒ Shortest Job First

☐ First Come First Serve

☐ Round Robin

☐ None of the mentioned

Finish

Clear Response

Next »

Once you click next/finish, you will not be able to come back to this question later.

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Section [Unit 1] 1 of 6

Question : 5 of 5

Marks : 1

Negative Marks : -25% on wrong answer

90%

Select the correct answer

Test time left: 01:22:06

Question time left: 01:51

Which of the following option(s) is/are true for Long term scheduler

a) controls the degree of multiprogramming.

b) should select a good mix

c) selects which process should be executed next.

☐ a and b are true

☐ b and c are true

☐ All are true

☐ None of them is true

Section [Unit 1] 1 of 6

Question : 4 of 5

Marks : 1

Negative Marks : -25% on wrong answer

90%

Select the correct answer

Test time left: 01:24:09

Question time left: 01:52

Which statement is false?

☐ System Call is an event that indicates the CPU to perform a specific task immediately.

☐ Interrupt is a method that allows a program to request services from the kernel

☒ Both mentioned are true

☐ Both mentioned are false

Finish

Clear Response

Next »

Once you click next/finish, you will not be able to come back to this question later.

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Section [Unit 1] 1 of 6

Question : 3 of 5

Marks : 1

Negative Marks : -25% on wrong answer

90%

Select the correct answer

Test time left: 01:25:15

Question time left: 01:17

Which system call used to replace the process' memory space with a new program?

☐ Dup

☒ exec

☐ fork

☐ wait

Finish

Clear Response

Next »

Once you click next/finish, you will not be able to come back to this question later.

Section [Unit 1] 1 of 6

Question : 2 of 5

Marks : 1

Negative Marks : -25% on wrong answer

90%

Select the correct answer

Test time left: 01:27:35

Question time left: 01:36

The instruction to switch to kernel mode is an example of

☒ Privileged instructions

☐ User mode instructions

☐ Special instructions

☐ Interrupt instruction

Finish

Clear Response

Next »

Once you click next/finish, you will not be able to come back to this question later.

Start Test

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Section [Unit 1] 1 of 6

Question : 1 of 5

Marks : 1

Negative Marks : -25% on wrong answer

90%

X

Select the correct answer

Test time left: 01:28:36

Question time left: 00:36

Which of the following are not true about Batch Systems?

☐ Lack of interaction between the user and the job.

☐ CPU is never idle

☐ Difficult to provide the desired priority.

☐ None of the mentioned

Finish

This is the beginning of the test!

Clear Response

Next

Once you click next/finish, you will not be able to come back to this question later.

Start Test

Select the correct answer

Saved successfully.

What is 'separation' in security of Operating systems?

☐ To have separate login for different users

☐ To have separate Hard disk drive/partition for different users

☒ It means keeping one user's objects separate from other users

☐ None of the mentioned

Finish

Clear Response

Next

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Section [Unit 6] 6 of 6

Question : 9 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

X

Select the correct answer

Test time left: 26:37

Question time left: 01:14

Why is one time password safe?

☐

It is easy to generated

☐

It cannot be shared☒☐

Finish

Clear Response

Next »

Section [Unit 6] 6 of 6

Question : 8 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

X

Select the correct answer

Test time left: 27:25

Question time left: 01:36

From the following, which is not a common file permission?

☐

Write☐☒☐

Finish

Clear Response

Next »

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Section [Unit 6] 6 of 6

Question : 7 of 10

Marks : 1

Negative Marks : -25% on wrong answer

90%

X

Select the correct answer

Test time left: 27:56

Question time left: 01:29

In the non blocking send \_\_\_\_\_

☐

the sending process keeps sending until the message is received

☒

the sending process sends the message and resumes operation☐☐

Finish

Clear Response

Next »

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Upload Projects

Upload Projects and share links with your friends

Upload Notes

Login as Superuser or admin to upload Files

Request Notes

Request File From Your Friend or Teacher

QR Code

Touch Me

Download Our App

My Drive

All Files

Softwares

SYLLABUS

Download Projects

Assignment (CA)

Users Upload

784 MB

2GB


Space Used 38.28%

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Donate

Donate Why?



Process Scheduling Solver

Operating System

Input

Algorithm

First Come First Serve, FCFS

Arrival Times

e.g. 0 2 4 6 8

Burst Times

e.g. 2 4 6 8 10

Solve

Output

Gantt chart and table will be shown here

GitHub

Feedback

Enter Your Email

Your Email

Subscribe

Currently we've 94 Subscribers

<https://enally.in/files-manager/process-scheduling-solver>


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## CPU Burst

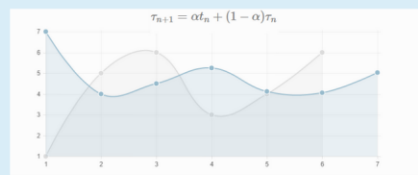
This site is dedicated to making interactive demonstrations of operating systems concepts

Process:	Arrival Time:	Burst Time:
P1	0	1
P2	5	2
P3	2	2
P4	1	1
P5	2	2



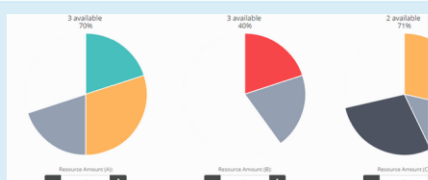
### Gantt Chart Generator

Dynamically generates gantt charts that show how CPU scheduling algorithms work



### CPU Burst Predictor

Shows how CPU bursts are predicted, using measurements of previous CPU bursts



### Banker's Algorithm

Shows how the bankers algorithm works.

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