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OPERATING SYSTEMS DESIGN - S 2020-21 Odd Semester

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Started on	Tuesday, 4 August 2020, 8:53 PM
State	Finished
Completed on	Tuesday, 4 August 2020, 9:02 PM
Time taken	8 mins 31 secs
Marks	20.00/20.00
Grade	10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

The full form of RMI

Select one:

☒ a. Remote Method Invocation ✓

☐ b. Remote Memory Invocation

☐ c. Remote Method Installation

☐ d. Remote Memory Installation

The correct answer is: Remote Method Invocation

Question 2

Correct

Mark 1.00 out of 1.00

open system call returns the file descriptor as ___

Select one:

☒ a. char ✓

☐ b. double

☐ c. float

☐ d. int

The correct answer is: char

Question 3

Correct

Mark 1.00 out of 1.00

What invokes the system calls?

Select one:

☐ a. A privileged instruction

☐ b. An indirect jump

☐ c. Polling

☒ d. A software interrupt ✓

The correct answer is: A software interrupt



Question **4**
Correct
Mark 1.00 out of 1.00

Which of the following helps a system call to invoke

Select one:

- ☐ a. Polling
- ☐ b. Call function
- ☒ c. A software interrupt ✓
- ☐ d. Queues

The correct answer is: A software interrupt

Question **5**
Correct
Mark 1.00 out of 1.00

Which of the following system calls does not return control to the calling point, on termination?

Select one:

- ☐ a. fork
- ☐ b. longjmp
- ☒ c. exec ✓
- ☐ d. ioctl

The correct answer is: exec

Question **6**
Correct
Mark 1.00 out of 1.00

Thousands of system calls by the operating system are executed per

Select one:

- ☐ a. day
- ☐ b. hour
- ☐ c. min
- ☒ d. sec ✓

The correct answer is: sec

Question **7**
Correct
Mark 1.00 out of 1.00

Which of the following system call is used for opening or creating a file?

Select one:

- ☒ a. open ✓
- ☐ b. read
- ☐ c. close
- ☐ d. write

The correct answer is: open

Question **8**
Correct
Mark 1.00 out of 1.00

Run time support system is the system that is provided by

Select one:

☒ a. system calls interface ✓

☐ b. processes

☐ c. System call routines are mostly written in

☐ d. system programs

The correct answer is: system calls interface

Question **9**
Correct
Mark 1.00 out of 1.00

Run time support system is the system that is provided by

Select one:

☐ a. System call routmostly written in

☐ b. Processes

☒ c. System calls interface ✓

☐ d. System programs

The correct answer is: System calls interface

Question **10**
Correct
Mark 1.00 out of 1.00

A fork system call will fail if _____

Select one:

☒ a. the limit on the maximum number of processes in the system would be executed ✓

☐ b. the previously executed statement is also a fork call

☐ c. the limit on the minimum number of processes that can be under execution by a single user would be executed

☐ d. all of the mentioned

The correct answer is: the limit on the maximum number of processes in the system would be executed

Question **11**
Correct
Mark 1.00 out of 1.00

Run time support system is the system that is provided by

Select one:

☒ a. system calls interface ✓

☐ b. System call routines are mostly written in

☐ c. system programs

☐ d. processes

The correct answer is: system calls interface





Question **12**
Correct
Mark 1.00 out of 1.00

If a process does not call exec after forking _____

Select one:

- ☐ a. none of the mentioned
- ☐ b. the program specified in the parameter to exec will replace the entire process
- ☐ c. all the threads should not be duplicated
- ☒ d. all the threads should be duplicated ✓

The correct answer is: all the threads should be duplicated

Question **13**
Correct
Mark 1.00 out of 1.00

If a process does not call exec after forking _____

Select one:

- ☐ a. all the threads should not be duplicated
- ☐ b. none of the mentioned
- ☒ c. all the threads should be duplicated ✓
- ☐ d. the program specified in the parameter to exec will replace the entire process

The correct answer is: all the threads should be duplicated

Question **14**
Correct
Mark 1.00 out of 1.00

Which is the system call that is responsible for sending of SYN packets

Select one:

- ☐ a. Listen
- ☐ b. Bind
- ☐ c. Socket
- ☒ d. Connect ✓

The correct answer is: Connect

Question **15**
Correct
Mark 1.00 out of 1.00

System calls of operating system is done by

Select one:

- ☒ a. caller ✓
- ☐ b. programmer
- ☐ c. developer
- ☐ d. engineer

The correct answer is: caller

Question **16**
Correct
Mark 1.00 out of 1.00

There are ___ modes of opening a file

Select one:

- ☐ a. 4
- ☒ b. 3 ✓
- ☐ c. 1
- ☐ d. 2

The correct answer is: 3

Question **17**
Correct
Mark 1.00 out of 1.00

Which of the following calls never returns an error?

Select one:

- ☐ a. fork
- ☒ b. getpid ✓
- ☐ c. ioctl
- ☐ d. open

The correct answer is: getpid

Question **18**
Correct
Mark 1.00 out of 1.00

One that is not a system call category of the program is

Select one:

- ☐ a. protection
- ☒ b. file generation ✓
- ☐ c. communication
- ☐ d. process control

The correct answer is: file generation

Question **19**
Correct
Mark 1.00 out of 1.00

Information maintenance is a type of

Select one:

- ☐ a. processes
- ☐ b. input
- ☐ c. output
- ☒ d. system call ✓

The correct answer is: system call



Question **20**
Correct
Mark 1.00 out of 1.00

System call routines of the operating system are mostly written in

Select one:

- ☐ a. Both a and b
- ☒ b. C++ ✓
- ☐ c. Java
- ☐ d. C


The correct answer is: C++

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Lab 1 Quiz

OPERATING SYSTEMS DESIGN - S 2020-21 Odd Semester

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Started on	Tuesday, 4 August 2020, 8:29 PM
State	Finished
Completed on	Tuesday, 4 August 2020, 8:46 PM
Time taken	17 mins 38 secs
Marks	13.00/20.00
Grade	6.50 out of 10.00 (65%)

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following calls never returns an error?

Select one:

☐ a. fork

☐ b. ioctl

☒ c. getpid ✓

☐ d. open

The correct answer is: getpid

Question 2

Correct

Mark 1.00 out of 1.00

If a process does not call exec after forking _____

Select one:

☐ a. the program specified in the parameter to exec will replace the entire process

☐ b. none of the mentioned

☐ c. all the threads should not be duplicated

☒ d. all the threads should be duplicated ✓

The correct answer is: all the threads should be duplicated

Question 3

Incorrect

Mark 0.00 out of 1.00

open system call returns the file descriptor as ___

Select one:

☐ a. double

☐ b. char

☒ c. int ✗

☐ d. float

The correct answer is: char

Question **4**
Correct
Mark 1.00 out of 1.00

Which is the system call that is responsible for sending of SYN packets

Select one:

- ☐ a. Socket
- ☐ b. Listen
- ☒ c. Connect ✓
- ☐ d. Bind

The correct answer is: Connect

Question **5**
Correct
Mark 1.00 out of 1.00

If a process does not call exec after forking _____

Select one:

- ☐ a. all the threads should not be duplicated
- ☐ b. none of the mentioned
- ☐ c. the program specified in the parameter to exec will replace the entire process
- ☒ d. all the threads should be duplicated ✓

The correct answer is: all the threads should be duplicated

Question **6**
Correct
Mark 1.00 out of 1.00

Thousands of system calls by the operating system are executed per

Select one:

- ☐ a. hour
- ☐ b. min
- ☐ c. day
- ☒ d. sec ✓

The correct answer is: sec

Question **7**
Correct
Mark 1.00 out of 1.00

Which of the following system call is used for opening or creating a file?

Select one:

- ☐ a. close
- ☐ b. read
- ☒ c. open ✓
- ☐ d. write

The correct answer is: open



Question **8**
Correct
Mark 1.00 out of 1.00

The full form of RMI

Select one:

- ☐ a. Remote Memory Installation
- ☐ b. Remote Memory Invocation
- ☒ c. Remote Method Invocation ✓
- ☐ d. Remote Method Installation

The correct answer is: Remote Method Invocation

Question **9**
Correct
Mark 1.00 out of 1.00

A fork system call will fail if _____

Select one:

- ☐ a. the previously executed statement is also a fork call
- ☐ b. the limit on the minimum number of processes that can be under execution by a single user would be executed
- ☐ c. all of the mentioned
- ☒ d. the limit on the maximum number of processes in the system would be executed ✓

The correct answer is: the limit on the maximum number of processes in the system would be executed

Question **10**
Incorrect
Mark 0.00 out of 1.00

One that is not a system call category of the program is

Select one:

- ☐ a. file generation
- ☐ b. process control
- ☐ c. communication
- ☒ d. protection ✗

The correct answer is: file generation

Question **11**
Incorrect
Mark 0.00 out of 1.00

Run time support system is the system that is provided by

Select one:

- ☒ a. system programs ✗
- ☐ b. System call routines are mostly written in
- ☐ c. system calls interface
- ☐ d. processes

The correct answer is: system calls interface



Question **12**
Incorrect
Mark 0.00 out of 1.00

Run time support system is the system that is provided by

Select one:

- ☐ a. System call routines are mostly written in
- ☒ b. system programs **✖**
- ☐ c. processes
- ☐ d. system calls interface

The correct answer is: system calls interface

Question **13**
Incorrect
Mark 0.00 out of 1.00

Run time support system is the system that is provided by

Select one:

- ☒ a. System programs **✖**
- ☐ b. System calls interface
- ☐ c. System call routmostly written in
- ☐ d. Processes

The correct answer is: System calls interface

Question **14**
Incorrect
Mark 0.00 out of 1.00

System call routines of the operating system are mostly written in

Select one:

- ☐ a. C++
- ☒ b. Both a and b **✖**
- ☐ c. C
- ☐ d. Java

The correct answer is: C++

Question **15**
Incorrect
Mark 0.00 out of 1.00

System calls of operating system is done by

Select one:

- ☒ a. programmer **✖**
- ☐ b. developer
- ☐ c. caller
- ☐ d. engineer

The correct answer is: caller





Question **16**
Correct
Mark 1.00 out of 1.00

Which of the following system calls does not return control to the calling point, on termination?

Select one:

- ☐ a. fork
- ☐ b. ioctl
- ☒ c. exec ✓
- ☐ d. longjmp

The correct answer is: exec

Question **17**
Correct
Mark 1.00 out of 1.00

Which of the following helps a system call to invoke

Select one:

- ☐ a. Polling
- ☐ b. Call function
- ☐ c. Queues
- ☒ d. A software interrupt ✓

The correct answer is: A software interrupt

Question **18**
Correct
Mark 1.00 out of 1.00

What invokes the system calls?

Select one:

- ☒ a. A software interrupt ✓
- ☐ b. A privileged instruction
- ☐ c. Polling
- ☐ d. An indirect jump

The correct answer is: A software interrupt

Question **19**
Correct
Mark 1.00 out of 1.00

There are ___ modes of opening a file

Select one:

- ☒ a. 3 ✓
- ☐ b. 1
- ☐ c. 2
- ☐ d. 4

The correct answer is: 3



Question **20**

Correct

Mark 1.00 out of 1.00

Information maintenance is a type of

Select one:

☐ a. processes

☐ b. input

☒ c. system call

☐ d. output

The correct answer is: system call

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OPERATING SYSTEMS DESIGN - S 2020-21 Odd Semester

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Started on	Sunday, 23 August 2020, 2:03 PM
State	Finished
Completed on	Sunday, 23 August 2020, 2:08 PM
Time taken	4 mins 55 secs
Marks	20.00/20.00
Grade	10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

For creating and removing directories, which of the following system calls are used

Select one:

☐ a. chdir

☒ b. mkdir and rmdir ✓

☐ c. mkdir

☐ d. rmdir

The correct answer is: mkdir and rmdir

Question 2

Correct

Mark 1.00 out of 1.00

A super user can use ___ call for creating a directory

Select one:

☐ a. rmdir

☐ b. chdir

☐ c. mkdr

☒ d. mknod ✓

The correct answer is: mknod

Question 3

Correct

Mark 1.00 out of 1.00

A super user can use ___ call for creating a directory

Select one:

☐ a. chdir

☒ b. mknod ✓

☐ c. rmdir

☐ d. mkdr

The correct answer is: mknod

Question **4**

Correct

Mark 1.00 out of 1.00

Which of the following is not a valid symbolic constant

Select one:

☐ a. ENDENT

☐ b. EEXIST

☐ c. EPERM

☒ d. EIOR ✓

The correct answer is: EIOR

Question **5**

Correct

Mark 1.00 out of 1.00

Which of the following is used with access call for checking the owner’s permissions

Select one:

☐ a. R_OK

☐ b. W_OK

☐ c. X_OK

☒ d. R_OK, W_OK, X_OK ✓

The correct answer is: R_OK, W_OK, X_OK

Question **6**

Correct

Mark 1.00 out of 1.00

For checking a file access rights, ___ system call is used

Select one:

☒ a. access ✓

☐ b. acc

☐ c. axs

☐ d. filert

The correct answer is: access

Question **7**

Correct

Mark 1.00 out of 1.00

How many data structures does the kernel maintain in memory that contain information about an open file

Select one:

☐ a. 5

☐ b. 1

☒ c. 3 ✓

☐ d. 2

The correct answer is: 3



Question **8**
Correct
Mark 1.00 out of 1.00

System calls and library functions are same

Select one:

- ☒ a. False ✓
- ☐ b. True

The correct answer is: False

Question **9**
Correct
Mark 1.00 out of 1.00

If a thread invokes the exec system call _____

Select one:

- ☒ a. the program specified in the parameter to exec will replace the entire process ✓
- ☐ b. the exec is ignored as it is invoked by a thread
- ☐ c. none of the mentioned
- ☐ d. only the exec executes as a separate process

The correct answer is: the program specified in the parameter to exec will replace the entire process

Question **10**
Correct
Mark 1.00 out of 1.00

For removing a link, ____ is used

Select one:

- ☒ a. unlink ✓
- ☐ b. link
- ☐ c. symlink
- ☐ d. delink

The correct answer is: unlink

Question **11**
Correct
Mark 1.00 out of 1.00

Which of the following calls never returns an error

Select one:

- ☐ a. open
- ☒ b. getpid ✓
- ☐ c. ioctl
- ☐ d. fork

The correct answer is: getpid

Question **12**
Correct
Mark 1.00 out of 1.00

S_IFxxx macros are used for checking the file types

Select one:

- ☐ a. False
- ☒ b. True ✓

The correct answer is: True







Question **13**
Correct
Mark 1.00 out of 1.00

For creating a hard and symbolic link, which system calls are used

Select one:

- ☒ a. link, symlink ✓
- ☐ b. link, unlink
- ☐ c. unlink, ulink
- ☐ d. hlink, slink

The correct answer is: link, symlink

Question **14**
Correct
Mark 1.00 out of 1.00

Which of the following system call uses file descriptor as an argument

Select one:

- ☐ a. close
- ☒ b. read, write, close ✓
- ☐ c. write
- ☐ d. read

The correct answer is: read, write, close

Question **15**
Correct
Mark 1.00 out of 1.00

Which of the following macro returns true if the file type is a directory

Select one:

- ☒ a. S_ISDIR ✓
- ☐ b. S_ISFIFO
- ☐ c. S_ISREG
- ☐ d. S_ISCHR

The correct answer is: S_ISDIR

Question **16**
Correct
Mark 1.00 out of 1.00

Which of the following system calls performs the action of cd command

Select one:

- ☒ a. chdir and fchdir ✓
- ☐ b. fchdir
- ☐ c. mkdir
- ☐ d. chdir

The correct answer is: chdir and fchdir



Question **17**
Correct
Mark 1.00 out of 1.00

The vnode table is also called _____

Select one:

- ☐ a. vtable
- ☒ b. inode table ✓
- ☐ c. vtable
- ☐ d. file table

The correct answer is: inode table

Question **18**
Correct
Mark 1.00 out of 1.00

For changing the time stamps, _____ system call is invoked

Select one:

- ☒ a. utime ✓
- ☐ b. ch
- ☐ c. atime
- ☐ d. mtime

The correct answer is: utime

Question **19**
Correct
Mark 1.00 out of 1.00

The file table contains _____

Select one:

- ☐ a. mode of opening
- ☒ b. mode of opening, status flags, offset pointer and reference count ✓
- ☐ c. offset pointer, reference count
- ☐ d. status flags

The correct answer is: mode of opening, status flags, offset pointer and reference count

Question **20**
Correct
Mark 1.00 out of 1.00

The file descriptor table contains all file descriptors for a process

Select one:

- ☒ a. True ✓
- ☐ b. False

The correct answer is: True

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OPERATING SYSTEMS DESIGN – S 2020-21 Odd Semester

Started on Wednesday, 26 August 2020, 8:12 PM

State Finished

Completed on Wednesday, 26 August 2020, 8:17 PM

Time taken 4 mins 51 secs

Grade 10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

_____ exec () functions return only if an error has occurred. The return value is ?

Select one:

- ☒ a. -1 ✓
- ☐ b. 2
- ☐ c. 1
- ☐ d. 0

The correct answer is: -1

Question 2

Correct

Mark 1.00 out of 1.00

_____ family of functions replaces the current process image with a new process image.

Select one:

- ☒ a. `exec()` ✓
- ☐ b. `bmap()`
- ☐ c. `fork()`
- ☐ d. `iget()`

The correct answer is: `exec()`

Question 3

Correct

Mark 1.00 out of 1.00

A process that has `__EXIT__`, but whose parent has not yet called `wait()`, is known as a zombie process.

Select one:

- ☐ a. blocked
- ☐ b. running
- ☒ c. terminated ✓
- ☐ d. wait

The correct answer is: terminated

Question **4**
Correct
Mark 1.00 out of 1.00

Select one:

☐ a. init

☒ b. fork ✓

☐ c. exit

☐ d. execvp

The correct answer is: fork

Question **5**
Correct
Mark 1.00 out of 1.00

exec system calls transforms executable _____ file into a process?

Select one:

☐ a. io file

☐ b. byte

☒ c. binary ✓

☐ d. object

The correct answer is: binary

Question **6**
Correct
Mark 1.00 out of 1.00

If a parent did not invoke _____ and instead terminated, thereby leaving its child processes as it is, the child process is known as _____

Select one:

☒ a. wait (),orphans ✓

☐ b. wait (), zombie

☐ c. none of the mentioned

☐ d. wait (), proxy

The correct answer is: wait (),orphans

Question **7**
Correct
Mark 1.00 out of 1.00

The ____ system call suspends execution of the calling process until one of its children terminates.

Select one:

☒ a. wait() ✓

☐ b. fork()

☐ c. sleep()

☐ d. exec()

The correct answer is: wait()



Question **8**
Correct
Mark 1.00 out of 1.00

The child process completes execution, but the parent keeps executing, then the child process is known as :

Select one:

- ☐ a. Empty
- ☐ b. Bobby
- ☒ c. Zombie ✓
- ☐ d. Orphan

The correct answer is: Zombie

Question **9**
Correct
Mark 1.00 out of 1.00

Which of the following system call create a child process and block the parent ?

Select one:

- ☐ a. fork
- ☐ b. nice
- ☒ c. vfork ✓
- ☐ d. execve

The correct answer is: vfork

Question **10**
Correct
Mark 1.00 out of 1.00

Which of the following system calls does not return control to the calling point, on termination?

Select one:

- ☐ a. ioctl
- ☒ b. exec ✓
- ☐ c. fork
- ☐ d. longjmp


The correct answer is: exec

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Lab - 5 Quiz

OPERATING SYSTEMS DESIGN - S 2020-21 Odd Semester

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Started on	Thursday, 10 September 2020, 7:46 PM
State	Finished
Completed on	Thursday, 10 September 2020, 7:50 PM
Time taken	3 mins 16 secs
Grade	9.00 out of 10.00 (90%)

Question 1

Correct

Mark 1.00 out of 1.00

In how many ways chmod command can be used ?

Select one:

☐ a. 0

☒ b. 2 ✓

☐ c. 3

☐ d. 1

The correct answer is: 2

Question 2

Correct

Mark 1.00 out of 1.00

The multiple filenames can be taken as arguments by using chmod command

Select one:

☒ a. True ✓

☐ b. False

The correct answer is: True

Question 3

Correct

Mark 1.00 out of 1.00

Select one:

☐ a. chmod ugo + x letter

☒ b. chmod u + x letter ✓

☐ c. chmod u + w letter

☐ d. chmod g + x letter

The correct answer is: chmod u + x letter





Question **4**

Correct

Mark 1.00 out of 1.00

What command is used to compare the files ?

Select one:

☐ a. comp

☐ b. ls

☒ c. cmp ✓

☐ d. compare

The correct answer is: cmp

Question **5**

Correct

Mark 1.00 out of 1.00

What is execute permission ?

Select one:

☐ a. Permission to rename the file

☐ b. Permission to delete file

☐ c. Permission to search or navigate through the directory

☒ d. Permission to execute file ✓

The correct answer is: Permission to execute file

Question **6**

Incorrect

Mark 0.00 out of 1.00

What re the characters which resemble user and group category ?

Select one:

☒ a. This choice was deleted after the attempt was started. ✗

Question **7**

Correct

Mark 1.00 out of 1.00

Select one:

☒ a. a ✓

☐ b. x

☐ c. v

☐ d. O

The correct answer is: a

Question **8**

Correct

Mark 1.00 out of 1.00

Which command is used to change the access mode of a file ?

Select one:

☐ a. chdir

☒ b. chmod ✓

☐ c. chmode

☐ d. chown

The correct answer is: chmod



Question **9**
Correct
Mark 1.00 out of 1.00

Which command is used to change the group owner of the file ?

Select one:

- ☐ a. chmod
- ☒ b. chgrp ✓
- ☐ c. chown
- ☐ d. ch

The correct answer is: chgrp

Question **10**
Correct
Mark 1.00 out of 1.00

Which is the default permission set for directories ?

Select one:

- ☐ a. r-r-r-
- ☐ b. Rw-rw-rwx
- ☐ c. rw-rw-rw-
- ☒ d. rwxrwxrwx ✓


The correct answer is: rwxrwxrwx

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OPERATING SYSTEMS DESIGN – S 2020-21 Odd Semester

Grade 10.00 out of 10.00 (100%)

The correct answer is: Both a and b

Question **4**
Correct
Mark 1.00 out of 1.00

_____represents how command line arguments are passed into the system.

Select one:

- ☒ a. Both a and b ✓
- ☐ b. argc
- ☐ c. argv
- ☐ d. argc[]

The correct answer is: Both a and b

Question **5**
Correct
Mark 1.00 out of 1.00

How many types of links are present?

Select one:

- ☐ a. 1
- ☐ b. 4
- ☐ c. 3
- ☒ d. 2 ✓

The correct answer is: 2

Question **6**
Correct
Mark 1.00 out of 1.00

What does fcntl stands for

Select one:

- ☒ a. file control ✓
- ☐ b. file count line by line
- ☐ c. file count and line count
- ☐ d. counting the lines in file

The correct answer is: file control

Question **7**
Correct
Mark 1.00 out of 1.00

What is fork (negative value)

Select one:

- ☐ a. Returned to the newly created child process.
- ☐ b. Returned to parent or caller. The value contains process ID of newly created child process.
- ☐ c. None of the above
- ☒ d. creation of a child process was unsuccessful. ✓

The correct answer is: creation of a child process was unsuccessful.



Question **8**

Correct

Mark 1.00 out of 1.00

What is fork (positive value)

Select one:

☐ a. creation of a child process was unsuccessful.

☐ b. Returned to the newly created child process.

☐ c. None of the above

☒ d. Returned to parent or caller. The value contains process ID of newly created child process. ✓

The correct answer is: Returned to parent or caller. The value contains process ID of newly created child process.

Question **9**

Correct

Mark 1.00 out of 1.00

What is fork(Zero)

Select one:

☐ a. Returned to parent or caller. The value contains process ID of newly created child process.

☒ b. Returned to the newly created child process. ✓

☐ c. creation of a child process was unsuccessful.

☐ d. None of the above

The correct answer is: Returned to the newly created child process.

Question **10**

Correct

Mark 1.00 out of 1.00

What is the syntax for execlp()

Select one:

☒ a. `int execlp (const char *file, const char *arg,.../* (char *) NULL */);` ✓

☐ b. `int execlp (const char *path, const char *arg,.../* (char *) NULL */);`

☐ c. `int execlp (const char *file, char *const argv[],char *const envp[]);`

☐ d. None of the above

The correct answer is: `int execlp (const char *file, const char *arg,.../* (char *) NULL */);`

Question **11**

Correct

Mark 1.00 out of 1.00

What is the syntax of unlink command?

Select one:

☐ a. unlink filenumber

☒ b. unlink filename ✓

☐ c. unlink filedir

☐ d. None of the above

The correct answer is: unlink filename



Question **12**
Correct
Mark 1.00 out of 1.00

What is the syntax used to create soft link between two files?

Select one:

- ☐ a. ls -l link1 file1
- ☐ b. ln -s link1 file1
- ☐ c. ls -l file1 link1
- ☒ d. ln -s file1 link1 ✓

The correct answer is: ln -s file1 link1

Question **13**
Correct
Mark 1.00 out of 1.00

What is the use of stat function?

Select one:

- ☐ a. system status
- ☐ b. Filesystem status
- ☒ c. BOTH A AND B ✓
- ☐ d. Display file

The correct answer is: BOTH A AND B

Question **14**
Correct
Mark 1.00 out of 1.00

Which command is used to create the soft link?

Select one:

- ☐ a. lin
- ☐ b. link
- ☐ c. ls
- ☒ d. ln ✓

The correct answer is: ln

Question **15**
Correct
Mark 1.00 out of 1.00

Which header file contains constructs that refer to file control.

Select one:

- ☐ a. stdlib.h
- ☐ b. stdio.h
- ☒ c. fcntl.h ✓
- ☐ d. unistd.h

The correct answer is: fcntl.h



Question **16**
Correct
Mark 1.00 out of 1.00

Which header file determines the structure of data returned by the function fstat()

Select one:

- ☐ a. <fcntl.h>
- ☒ b. <sys/stat.h> ✓
- ☐ c. <sys/types.h>
- ☐ d. <fst.h>

The correct answer is: <sys/stat.h>

Question **17**
Correct
Mark 1.00 out of 1.00

Which header file is the c posix library for the c programming language?

Select one:

- ☐ a. unistd.h
- ☐ b. stdio.h
- ☒ c. fcntl.h ✓
- ☐ d. stdlib.h

The correct answer is: fcntl.h

Question **18**
Correct
Mark 1.00 out of 1.00

Which header file is used for dup () and dup2() system call.

Select one:

- ☐ a. stdarg.h
- ☒ b. unistd.h ✓
- ☐ c. stdio.h
- ☐ d. stdlib.h

The correct answer is: unistd.h

Question **19**
Correct
Mark 1.00 out of 1.00

Which is command line utility for removing a single file

Select one:

- ☐ a. None of the above
- ☒ b. unlink ✓
- ☐ c. remove
- ☐ d. delete

The correct answer is: unlink





Question **20**

Correct

Mark 1.00 out of 1.00

Which system call is used for creating child process

Select one:

☐ a. create ()

☐ b. createchildprocess ()

☐ c. None of the above.

☒ d. fork ()

The correct answer is: fork ()

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OPERATING SYSTEMS DESIGN - A 2020-21 Odd Semester

[↩ Back to course](#)**Started on** Tuesday, 29 September 2020, 1:43 PM**State** Finished**Completed on** Tuesday, 29 September 2020, 1:44 PM**Time taken** 1 min 21 secs**Grade** 10.00 out of 10.00 (100%)Question **1**

Correct

Mark 1.00 out of 1.00

All UNIX and LINUX systems have one thing in common which is

Select one:

- ☐ a. set of commands
- ☒ b. set of system calls ✓
- ☐ c. set of instructions
- ☐ d. set of text editors

The correct answer is: set of system calls

Question **2**

Correct

Mark 1.00 out of 1.00

Choose the statement which is incorrect with respect to dynamic memory allocation.

Select one:

- ☐ a. Allocated memory can be changed during the run time of the program based on the requirement of the program
- ☐ b. Used for unpredictable memory requirements
- ☒ c. Execution of the program is faster than that of static memory allocation ✓
- ☐ d. Memory is allocated in a less structured area of memory, known as heap

The correct answer is: Execution of the program is faster than that of static memory allocation





Question **3**

Correct

Mark 1.00 out of 1.00

Core of Linux operating System is

Select one:

- ☒ a. Kernel ✓
- ☐ b. Terminal
- ☐ c. Command
- ☐ d. Shell

The correct answer is: Kernel

Question **4**

Correct

Mark 1.00 out of 1.00

In ____ mode, the kernel runs on behalf of the user.

Select one:

- ☐ a. user
- ☒ b. kernel ✓
- ☐ c. all
- ☐ d. real

The correct answer is: kernel

Question **5**

Correct

Mark 1.00 out of 1.00

Memory allocation using malloc() is done in?

Select one:

- ☒ a. Heap area ✓
- ☐ b. Static area
- ☐ c. Both b & c
- ☐ d. Stack area

The correct answer is: Heap area

Question **6**

Correct

Mark 1.00 out of 1.00

There are _____ signals that are generated from the keyboard.

Select one:

- ☒ a. 3 ✓
- ☐ b. 2
- ☐ c. 5
- ☐ d. 1

The correct answer is: 3

Question **7**

Correct

Mark 1.00 out of 1.00

We can use pipe with fork system call.

Select one:

- ☒ a. True ✓
- ☐ b. False

The correct answer is: True





Question **8**

Correct

Mark 1.00 out of 1.00

Which of the below factor consider the most in management of memory

Select one:

- ☒ a. All of the above ✓
- ☐ b. Efficient use of memory
- ☐ c. Speedy allocation of memory
- ☐ d. Speedy deallocation of memory

The correct answer is: All of the above

Question **9**

Correct

Mark 1.00 out of 1.00

Which of the following header files must necessarily be included to use dynamic memory allocation functions?

Select one:

- ☐ a. memory.h
- ☒ b. stdlib.h ✓
- ☐ c. stdio.h
- ☐ d. dos.h

The correct answer is: stdlib.h

Question **10**

Correct

Mark 1.00 out of 1.00

Which of the following signals are generated from the hardware?

Select one:

- ☐ a. SIGILL
- ☐ b. SIGSEGV
- ☐ c. SIGFPE
- ☒ d. SIGPE, SIGILL, SIGSEG ✓

The correct answer is: SIGPE, SIGILL, SIGSEG

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OPERATING SYSTEMS DESIGN - A 2020-21 Odd Semester

[↩ Back to course](#)**Started on** Tuesday, 22 September 2020, 4:04 PM**State** Finished**Completed on** Tuesday, 22 September 2020, 4:06 PM**Time taken** 1 min 50 secs**Grade** 10.00 out of 10.00 (100%)Question **1**

Correct

Mark 1.00 out of 1.00

All UNIX and LINUX systems have one thing in common which is

Select one:

- ☐ a. set of instructions
- ☐ b. set of text editors
- ☒ c. set of system calls ✓
- ☐ d. set of commands

The correct answer is: set of system calls

Question **2**

Correct

Mark 1.00 out of 1.00

An incremental backup

Select one:

- ☐ a. should be done each month
- ☐ b. saves all files
- ☒ c. saves only files that have recently changed ✓
- ☐ d. uses more tapes

The correct answer is: saves only files that have recently changed





Question **3**

Correct

Mark 1.00 out of 1.00

if a process does not call exec after forking then

Select one:

- ☒ a. all the threads should be duplicated ✓
- ☐ b. the program specified in the parameter to exec will replace the entire process
- ☐ c. all the threads should not be duplicated
- ☐ d. none of the mentioned

The correct answer is: all the threads should be duplicated

Question **4**

Correct

Mark 1.00 out of 1.00

In operating system each process has its own

Select one:

- ☐ a. Address space and global variables
- ☒ b. All of the mentioned ✓
- ☐ c. Open files
- ☐ d. Pending alarms,signals and signal handlers

The correct answer is: All of the mentioned

Question **5**

Correct

Mark 1.00 out of 1.00

open system call returns the file descriptor as _ _ _

Select one:

- ☒ a. char ✓
- ☐ b. float
- ☐ c. int
- ☐ d. double

The correct answer is: char

Question **6**

Correct

Mark 1.00 out of 1.00

Signals of a given type

Select one:

- ☐ a. Cannot be queued
- ☐ b. Are queued
- ☐ c. None of the mentioned
- ☒ d. Are all sent as one ✓

The correct answer is: Are all sent as one





Question **7**

Correct

Mark 1.00 out of 1.00

The limitation of signals as

Select one:

- ☐ a. None of the mentioned
- ☐ b. They are user generated
- ☒ c. They cannot carry information directly ✓
- ☐ d. They do not work between processes

The correct answer is: They cannot carry information directly

Question **8**

Correct

Mark 1.00 out of 1.00

The systems which allow only one process execution at a time,are called

Select one:

- ☒ a. Uniprocessing systems ✓
- ☐ b. None of the mentioned
- ☐ c. Unitasking systems
- ☐ d. Uniprogramming systems

The correct answer is: Uniprocessing systems

Question **9**

Correct

Mark 1.00 out of 1.00

What is the option on the cron command is used to display entries in the current crontab

Select one:

- ☒ a. -l ✓
- ☐ b. -s
- ☐ c. -r
- ☐ d. -e

The correct answer is: -l

Question **10**

Correct

Mark 1.00 out

When a user refers to a particular file

Select one:

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