A file named "test.txt" already exists in your system. Which of the following syntax will be used to create new file "test1.txt " for writing purposes?

open("test1.txt", O_RDONLY);

open("test1.txt", O_CREATE|O_RDWR);

open("test1.txt", O_CREAT|O_WRONLY, 0642);

open("test1.txt", O_READ);

Choose the correct description of process management:

Call Description

a) p=lseek(fd,offset, whence) 1) Open file reading writing or both

b) S=stat(name, &buff) 2) Read data from file to buffer

c) a=open(file, flag, mode) 3) Write data from a buffer into a file

d) a=write(fd, buffer,nbytes) 4) Move the file pointer

e) b=read(fd, buffer,nbytes) 5) Get a file status information

  a→5, b→3, c→2, d→4,e-1

  a→4, b→1, c→4, d→2,e-2

  a→4, b→5, c→1, d→3,e-2

  a→2, b→5, c→1, d→3,e-2

The output of the given program is:

int main()

{

  char a[20]; int b;

b=read(0, a,10);

printf("The output is %d\n",b);

}

Take input from device as: CSEstudentsofLPU

Which characters are not read after execution of this?

sofLPU 5

tsofLPU 7

sofLPU 6

ntsofLPU 9

Input string is   987654321!@#$%^&*()abcdefghi

int main()

{

int x,y,z;

char b[50];

x=open("file.txt",O_RDWR);

y=lseek(x,10,SEEK_SET);

read(x,b,15);

write(1,b,20); }

Open Error

@#$%^&*()abcdef

@#$%^&*()abcdefghij

@#$%^&*()

Input string is   987654321!@#$%^&*()abcdefghij

int main()

{

int x,y,z;

char b[50];

x=open("file.txt",O_RDWR);

y=lseek(x,10,SEEK_SET);

read(x,b,15);

write(1,b,20); }

Choose the correct description of process management:

Call

Description

a) a=rmdir(dname)

1) Returns the number of bytes read

b) s=read(fd,buffer,size)

2) create an empty file in directory

c) a=mkdir(dname)

3) Remove an empty directory

d) touch(name)

4) Create a new directory

a→2, b→54, c→1, d→3

a→4, b→2, c→1, d→3

a→3, b→1, c→4, d→2

a→1, b→3, c→2, d→4

Ans -C

Input string is   987654321!@#$%^&()abcdefghij*

int main()

{

int x,y,z;

char b[50];

x=open("file.txt",O_RDWR);

y=lseek(x,10,SEEK_SET);

read(x,b,15);

write(1,b,20); }

Open Error

@#$%^&()abcdefghij*

@#$%^&()*

@#$%^&()abcdef*

The output of the program is:

```
#include<stdio.h>
#include<unistd.h>
int main()
{
pid_t q;
fork();
printf("LPU");
fork();
printf("CSE");
}
```

One time LPU Four times CSE

Four times LPU Four times CSE

Three times LPU Four times CSE

Two times LPU Three times CSE

Ans *-C*

```
int main()
{
char a[25]; int b;
read(0,a,15);
write(1,a,8);
//printf("The output is %d\n",b);
}
```

Consider input as:12134567890123

What will be the output?

-1

12134567890123

11213456789

12134567

Ans – D

How many times does the following C program print LPU?

```
main()
{
  fork();fork();fork();printf("LPU");
}
```

Ans – 8

The output is:

```
int main()
{
    pid_t q;
    q=fork();
 if(q==0)
   {
   sleep(5);
    printf("I am child having id\n", );
    }
else
{ printf("The parent id \n");
 sleep(10);
```

}}

The parent id

      I am child id

      The parent id

The parent id

      I am child having id

      I am child id

I am child having id

      The parent id

The parent id

      I am child having id

Ans – D

How many times does the following C program print LPU?

```
main()
{
  fork();fork();fork();printf("LPU");
}
```

only once

four times

twice

eight times

Ans – D

There are two files file1.pdf and file.doc in the system then what is the meaning of 471 and 762 for permission to files respectively.

- r--, rwx, --x and rwx, rw-, -w-

--w-, r-w, r-x and rwx, rw-, -w-

-r--, rw-, r-x and rwx, -rw, -r-

-x-, rw-, r-x and r-x, rw-, -w-

 Ans – A

Input string is   987654321!@#$%^&()abcdefghij*

Int main()

}

Int x,y,z;

Char b[50];

X=open("file.txt",O_RDWR);

Y=lseek(x,10,SEEK_SET);

Read(x,b,15);

Write(1,b,20); }

Open Error

@#$%^&()abcdefghij*

@#$%^&()abcdef*

@#$%^&()*

Ans – B

The output of the given program is:

Int main()

{

Char a[20]; int b;

B=read(0, a,9);

Printf("The output is %d\n",b);

}

Take input from device as: LPUstudentsofCSE

Which characters are not read after execution of this?

tsofCSE 5

sofCSE 7

entsofCSE 9

tsofCSE 7

Ans – A

The output of given program is:

Int main()

{

Char a[25]; int b;

Read(0,a,15);

Write(1,a,7);

//printf("The output is %d\n",b);

}

Consider input as:1112131415

What will be the output?

012131415

11121314

-1

1112131

Ans – B

The output is:

Int main()

{

   Pid_t q;

```
  Q=fork();
If(q==0)
  {
  Sleep(5);
  Printf("I am child having id\n", )
  }
Else
{ printf("The parent id \n");
 Sleep(10);
}}
```

The parent id

I am child having id

I am child having id

The parent id

The parent id

I am child having id

I am child id

The parent id

I am child ii

The parent id

Ans – A

A file named "test.txt" already exists in your system. Which of the following syntax will be used to create new file "test1.txt " for writing purposes?

Open("test1.txt", O_CREAT|O_WRONLY, 0642);

Open("test1.txt", O_RDONLY);

Open("test1.txt", O_CREATE|O_RDWR);

Open("test1.txt", O_READ);

Ans – A

Duplicate number of user's choice can be assigned to the process with _____ command.

Dup()

Dup2()

Dupuser()

Any of the above

Ans – A

He output of the given program is:

Int main()

{

  Char a[20]; int b;

B=read(0, a,10);

Printf("The output is %d\n",b);

}

Take input from device as: CSEstudentsofLPU

Which characters are not read after execution of this?

sofLPU 5

sofLPU 6

tsofLPU 7

entsofLPU 9

Ans – B

Input string is   987654321!@#$%^&()abcdefghij*

Int main()

{

Int x,y,z;

Char b[50];

X=open("file.txt",O_RDWR);

Y=lseek(x,10,SEEK_SET);

Read(x,b,15)

Write(1,b,20); }

@#$%^&()abcdefghij*

@#$%^&()*

@#$%^&()abcdef*

Open Error

Ans – A

Which of the following statement is correct?

Wait system call allows the parent process to terminate before the child processes.

Wait system call allow the parent and child to terminate at the same time.

Wait system call allows the child process to terminate before the parent processes.

Wait system call has no effect on process termination.

Ans – C

A parent process calling _____ system call will be suspended until children processes terminate.

wait

exec

exit

fork

Ans – A

How many times hello will be printed?

#include<stdio.h>

#include<sys/types.h>

int main()

{

Pid_t p;

Printf("hello");

Fork();

Fork();

Fork();

Printf("hello");

}

8

16

4

32

Ans – A

The input in file is   987654321!@#$%^&()abcdefghij*

Int main()

{

Int x,y,z;

Char b[50];

X=open("file.txt",O_RDWR);

Y=lseek(x,-11,SEEK_END);

Read(x,b,20);

Write(1,b,12); }

()abcdefghij

Error in program

()abcdefgh

Abcdefghij

Ans – C

In the system table the process in the below snapshot with <defunct> is known as:

Child process

Zombie Process

Orphan process

Duplicate process

Ans – B

The output is

Int main()

{

Pid_t q;

Q=fork();

If(q==0)

  {

  Printf("students");

   }

Else

{

 Printf("CSE LPU");

Sleep(15);

}}

Students CSE LPU

CSE defunct LPU

CSE LPU defunct students

studentsCSE LPU

Ans – D

F exec is called immediately after forking _____

All the threads may be duplicated

All the threads will be duplicated

None of the mentioned

The program specified in the parameter to exec will replace the entire process

Ans – D

The output is:

Int main()

{

   Pid_t q;

   Q=fork();

If(q==0)

  {

  Sleep(5);

  Printf("I am child having id\n",);

  }

Else

{ printf("The parent id \n");

 Sleep(10);

}}

The parent id

I am child having id

I am child id

The parent id

I am child having id

I am child having id

The parent id

The parent id

I am child id

The parent id

Ans – B

The output of the program is:

#include<stdio.h>

#include<unistd.h>

Int main()

{

Pid_t q;

Fork();

Printf("LPU");

Fork();

Printf("CSE");

}

Four times LPU Four times CSE

One time LPU Four times CSE

Three times LPU Four times CSE

Two times LPU Three times CSE

Ans – A

The output of given program is:

Int main()

{

Char a[25]; int b;

Read(0,a,15);

Write(1,a,8);

//printf("The output is %d\n",b);

}

Consider input as:111213141

What will be the output?

11121314

-1

 012131415

1112131

Ans – A

Choose the correct description of process management:

Call

Description

a) Pid =fork()

1) to set cursor position inside a file

b) ls -l

2) Replace process with some other process image

c) lseek()

3) display long listing of files and directories

d) s=execl

4) Create a child process identical to the parent

a→2, b→3, c→1, d→4

a→4, b→2, c→4, d→1

a→4, b→1, c→4, d→2

a→4, b→3, c→1, d→22

Ans – B

The details of a folder are seen with the help of

Pwd

Cp

Ls

Who

Ans – C

Which of the following command will be used to prevent the zombie process?

Sleep

Wait

Delay

Orphan

Ans -B

Orphan process has the parent Id

Parent Id of the child

Can't say

1

-1

Ans – 1

How many times does the following C program print LPU?

Main()

{

Fork();fork();printf("LPU");

}

Twice

Eight times

Four times

Only once

Ans – C

This function creates a duplicate of the current progam

Fork

Wait

Exel

None of above

Ans – C

Which command is used to display the present working directory?

Ls -l

Kernel

Pwd

Whoami

Ans – C

To check the zombie process which of the following commands will be used?

./a.out +ls

./a.out + ps

./a.out & + pwd

./a.out & +ps

Ans – D

Choose the correct description of process management:

Call

Description

a) a=rmdir(dname)

1) Returns the number of bytes read

b) s=read(fd,buffer,size)

2) create an empty file in directory

c) a=mkdir(dname)

3) Remove an empty directory

d) touch(name)

4) Create a new directory

a→1, b→3, c→2, d→4

a→4, b→2, c→1, d→3

a→3, b→1, c→4, d→2

a→2, b→54, c→1, d→3

Ans – C

A file named "test.txt" already exists in your system. Which of the following syntax will be used to create new file "test1.txt " for writing purposes?

open("test1.txt", O_CREATE|O_RDWR);

open("test1.txt", O_RDONLY);

open("test1.txt", O_CREAT|O_WRONLY, 0642);

open("test1.txt", O_READ);

Ans – C

Q7) The output of given program is:

Int main()

{

Char a[25]; int b;

Read(0,a,15);

Write(1,a,8);

//printf("The output is %d\n",b);

}

Consider input as:1112131415

What will be the output?

1112131

-1

012131415

11121314

Ans – D

Which of the following is correct if a file (file.txt) is having 642 permissions to?

Options :

-rw-r---w-

-rx-r---w-

-rw-r---x-

-rw-w---w-

14) If exec is called immediately after forking _____

d) None of the mentioned

The program specified in the parameter to exec will replace the entire process

All the threads may be duplicated

All the threads will be duplicated

Ans – B


```
#include<unistd.h>

#include<fcntl.h>

#include<sys/types.h>

#include<sys/stat.h>

#include<stdio.h>

#include<sys/wait.h>

int main()

{

    pid_t pid;

    pid = fork();

    printf("process id : %d\n", getpid());

    printf("\n");

}
```

If child process id = 100 then what is the output of this code?

101

100

99

100

100

99

100

101

which command is used for renaming a file?

mv

rmdir

rm

cp

Ans – A


```
#include<unistd.h>

#include<fcntl.h>

#include<sys/types.h>

#include<sys/stat.h>

#include<stdio.h>

#include<sys/wait.h>

int main()

{

    pid_t pid;

    pid = fork();

wait(NULL);

    printf("process id : %d\n", getpid());
```

```
   printf("One \n");
}
```

if parent process id = 640 then what is the output of this program?

641

One

640

One

641

640

One

One

640

641

One

One

640

One

641

One

Ans – A

A file named "test.txt" already exists in your system. Which of the following syntax will be used to create new file "test1.txt " for writing purposes?

Open("test1.txt", O_CREATE|O_RDWR);

Open("test1.txt", O_READ);

Open("test1.txt", O_CREAT|O_WRONLY, 0642);

Open("test1.txt", O_RDONLY);

Ans – C

The output of the given program is:

Int main()

{

Char a[20]; int b;

B=read(0, a,10);

Printf("The output is %d\n",b);

}

Take input from device as: CSEstudentsofLPU

Which characters are not read after execution of this?

sofLPU 6

tsofLPU 7

sofLPU 5

entsofLPU 9

Ans – A

Input string is   987654321!@#$%^&()abcdefghij*

int main()

{

int x,y,z;

char b[50];

x=open("file.txt",O_RDWR);

y=lseek(x,10,SEEK_SET);

read(x,b,15);

write(1,b,20); }

Open Error

@#$%^&()abcdefghij*

@#$%^&()abcdef*

@#$%^&()*

Ans – B Or D

Choose the correct description of process management:

Call Description

  a) *Pid =fork() 1) to set cursor position inside a file*
  b) *Ls -l 2) Replace process with some other process image*
  c) *Lseek() 3) display long listing of files and directories*
  d) *S=execl 4) Create a child process identical to the parent*

A→2, b→3, c→1, d→4

A→4, b→3, c→1, d→2

A→4, b→1, c→4, d→2

A→4, b→2, c→4, d→1

Ans – C

What will be the output of this command mkdir -p -v 4/5/6

mkdir: created directory '4'

mkdir: created directory '4/5'

mkdir: created directory '4/5/6'

mkdir: created directory '4/5'

mkdir: created directory '4/5/6'

mkdir: created directory '4/5/6'

error shown

The output of the given program is:

int main()

{

char a[20]; int b;

b=read(0, a,10);

printf("The output is %d\n",b);

}

Take input from device as: CSEstudentsofLPU

Which characters are not read after execution of this?