**Section: Linux**

1. Which of the given output is shown when executed on the following shell?

[root@linux]$ foo=”This is test”

[root@linux]$ echo $foo

[root@linux]$ foo= $foo “text”

[root@linux]$ echo $foo

**Options:**

1. This is test
2. Text
3. Nil
4. This is test

This is test text.

1. You ran command , “ls-l output for /etc/passwd and /usr/bin/passwd” and get the following result. If a user, not belonging to the group ‘root’ runs the passwd executable in an attempt to modify his password, then which of the given statements hold true?
2. Password change is successful because the program runs as root.
3. Password change fails since user does not have permission to update /etc/passwd file
4. Password change program runs in kernel mode where write access to the /etc/passwd file is possible.
5. /etc/passwd is a special file and the system be default allows all users to update it.
6. Which of the given output is displayed when executed on the following shell?

[root@linux]$ echo Check-{1,2,3}-back

1. Check 1,2,3
2. Check 1 2 3
3. Check 1 Check 2 Check 3 Back
4. Check-1-Back Check-2-Back Check-3-Back
5. Identify the output of the following code.

x = 3;

y = 5;

z = 10;

if [ ($x-eq 3) -a ($y-eq5-0 $z-eq10 )]

then

echo $x

else

echo $y

fi

1. 3
2. 5
3. 10
4. 18
5. What is the output after executing the given shell script in Linux?

#! /bin/bash number=10 if [ $number = “10”]; then echo “Number is equal to 10”

else echo “Number is not equal to 10 ” fi

1. Compile time error
2. run time error
3. Number is equal to 10
4. Number is not equal to 10
5. **Identify the output of the following code:**

#! /user/bin/awk -f

BEGIN

{

two=2;

two;

print two

}

Options: a. 3, b. 2,c. two, d. three

1. **What would be the current working directory at the end of the following code?**

$pwd

/home/user1/proj

$cd src

$cd generic

$cd . .

$pwd

**Options: a.** /home/user1/proj

b. /home/user1/

c. /home/user1/proj/src

d. /home/user1/proj/src/generic

1. Your java web application log4j log path has to be mapped to /home/teemp/trelta/logs/trelta.log in the Linux machine. How do you achieve this requirement?

**Options: a.** add/home/teemp/trelta/logs/trelta.log to log4j.appender.FILE propriety in log4j prosperity file.

**b.** add/home/teemp/trelta/logs/trelta.log to log4j.appender.FILE.File propriety in log4j prosperity file.

c. add/home/teemp/trelta/logs/trelta.log to log4j.appender.ORG.FILE.File propriety in log4j prosperity file

d. add/home/teemp/trelta/logs/trelta.log to log4j.appender.org.FILE properity in log4j prosperity file

1. **Identify the output of the following code:**

{

printf(“user\n”) ;

system (“date”) ;

printf(“user1”);

}

If a.out is the executable code corresponding to the above source code, then the command

a.out> out f

**Options: a.** Redirects the output of data to the file out f

**b.** Displays the output of data on the screen

c. Prints everything on the screen

d. Prints the two messages on the screen

1. Identify the output of the following code:

#! /bin/bash

Function user\_function1 {

echo “This is the first function”

}

User\_function2 () {

echo “This is second function”

}

user\_function1

user\_function2

exit 0

**Options: a.** This is the first function

b. This is the second function

c. This is the first function

This is the second function

d. Output will be flushed