**10 MCQ (1 Mark each)**

Q.1. Which service is used to translate domain name to IP address?

A) MBR

B) DNS

C) NDS

D) All of the above

Q.2. Shell provides \_\_\_\_\_\_\_\_\_ structures to make decisions.

A) loop statements

B) conditional control

C) script

D) All of the above

Q.3. Syntax of any Unix command is:

A) command [options] [arguments].

B) command options [arguments].

C) command options arguments

D) None of the above

Q.4. Shell is \_\_\_\_\_.

A) Command Interpreter

B) Interface between Kernel and Hardware

C) Interface between user and applications

D) Command Compiler

Q.5. In shell scripting, \* Specifies

A) one or more character

B) zero or more character

C) nothing

D) none of the mentioned

Q.6. What is job number?

A) same as PID

B) a unique number, assigned to each job in shell

C) same as PID and a unique number, assigned to each job in shell

D) none of the mentioned

Q.7. Which command sets up shorthand for command or command line?

A) set

B) alias

C) new

D) echo

Q.8. Renice command \_\_\_\_\_\_\_\_\_\_

A) sets the nice value for a process.

B) sets the nice value for a running process.

C) sets the nice value for a stopped process.

D) None of the above

Q.9. First line of every shell script begins with \_\_\_\_\_.

A) &

B) #

C) $

D) !

Q.10. Which of the following command can create environment variable?

A) read

B) set

C) export

D) none of the mentioned

**5 MCQ (2 Marks each)**

Q.1. Which was the first default shell in Linux system?

A) Bourne

B) TENEX

C) C- Shell

D) None of the above

Q.2. What will be output of following command:

$ echo "The process id is" $$$$

A) The process id is $$

B) The process id is $<pid>$<pid>

C) The process id is <pid><pid>

D) The process id is $$$$

Q.3. Which of the following is true?

A) Shell is a process and can be started by superuser only

B) Shell is a built-in Kernel functionality

C) Shell is a wrapper for all the commands and utilities

D) None of the mentioned

Q.4. What is the output of this program?

#!/bin/bash

san\_var=hello

readonly san\_var

san\_var=hi

echo $san\_var

exit 0

A) hello

B) hi

C) nothing will print

D) none of the mentioned

Q.5. After running this program, as your press 4, what will be the output of the program?

#!/bin/bash

echo "How many times you want to print 'WELCOME'"

read value

for ((i=0;i<$value;i++))

do

echo "WELCOME";

done

exit 0

A) ‘WELCOME’ will print 4 times

B) ‘WELCOME’ will print 3 times

C) ‘WELCOME’ will print 5 times

D) Program will generate an error message

**4 Submissions (5 Marks each)**

Q.1. Which commands are used in process management and system monitoring?

Q.2. write a script to accept a x and y co-ordinates from user as input and find a quadrant in which the given they lie,

If it is in 1st Quadrant, then display **Ist Quadrant**,

if it is in 2nd Quadrant, then display **IInd Quadrant**,

if it is in 3rd Quadrant, then display **IIIrd Quadrant**,

if it is in 4th Quadrant, then display **IVth Quadrant**and

if it is in center display **Origin**

e.g.

input – 5 6

output – Ist Quadrant.

Q.3. Write a note on ps command in linux.

Q.4. Write a shell script to check whether the entered number is positive or negative or zero.