**10 MCQ (1 Mark each)**

Q.1. What combines the linux commands to perform a specific task?

A) terminal

B) shell

C) shell scripts

D) None of the above

Q.2. Which among the following is used to write small programs to control Unix functionalities?

A) Shell Commands

B) Shell Script

C) Filters

D) C Language

Q.3. Which variable contains current shell process id

A) $\*

B) $?

C) $$

D) $!

Q.4. In shell scripting, ? Specifies

A) one or more character

B) zero or more character

C) one character

D) none of the mentioned

Q.5. Which command allows to view the current jobs being handled by the shell?

A) jobs

B) view

C) show

D) none of the mentioned

Q.6. The command ‘disown -r’

A) removes all jobs

B) removes all running jobs

C) marks jobs to not receive SIGHUP when bash exits

D) marks all jobs

Q.7. Which niceness value among the following indicate most favorable scheduling?

A) 0

B) 19

C) 5

D) -20

Q.8. We have to make it executable first by using \_\_\_, to run a script

A) chmod +w

B) chmod +r

C) chmod +x

D) chmod +rwx

Q.9. Which among the following is used to display the unix version?

A) uname -v

B) uname -n

C) uname -r

D) kernel

Q.10. Syntax of any Unix command is:

A) command [options] [arguments].

B) command options [arguments].

C) command options arguments

D) None of the above

**5 MCQ (2 Marks each)**

Q.1. C-shell is used from which year?

A) 1979

B) 1970

C) 1987

D) 1982

Q.2. What would be the current working directory at the end of the following command sequence?

$ pwd

/home/user1/proj

$ cd src

$ cd generic

$ cd .

$ pwd

A) /home/user1/proj

B) /home/user1/proj/src

C) /home/user1

D) /home/user1/proj/src/generic

Q.3. Which is true with regards to the shell prompt.

A) It can be accidentally erased with backspace

B) The prompt cannot be modified

C) The prompt can be customized (modified)

D) None of the mentioned

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

#!/bin/bash

san\_var=10

echo "the value of \"san\_var\" is $san\_var"

exit 0

A) the value of “san\_var” is 10

B) the value of is 10

C) the value of san\_var is $san\_var

D) the value of “san\_var” is $san\_var

Q.5. After running this program, if you enter 1000, then what will be the output of the program?

#!/bin/bash

echo "Please enter a number"

read a

if [ $a -lt 100 ]; then

echo "It is less than 100";

elif [ $a -lt 1000 ]; then

echo "It is less than 1000"

else

echo "It is greater than 1000"

fi

exit 0

A) It is greater than 1000

B) It is less then 1000

C) It is equal to 1000

D) None of then mentioned

**4 Submissions (5 Marks each)**

Q.1. What is the syntax of case statement in shell scripting?

Q.3. Write a script to find a eligibility for admission for a course based on following criteria, if marks in any of the subject are not upto the mark then display message “Not eligible”.

Marks in Phy >=65

Marks in Chem >=55

Marks in Maths >=50

For e.g.

input - 72 65 51

output – Eligible.

Q.3. Explain arithmetic operators in bc command with examples?

Q.4. Write the following, (1 mark each)

a) shortcut key to clear the terminal screen.

b) shortcut key to suspend a running job.

c) shortcut key to terminate running command.

d) which command is used to pause the terminal for a specific time interval.

e) shortcut key to bring the cursor to the beginning of the line on the terminal.