**10 MCQ (1 Mark each)**

Q.1. Which of the following command is used to display the name of the operating system?

A) os

B) unix

C) kernel

D) uname

Q.2. Bourne shell was developed in \_\_\_\_\_\_\_\_.

A) 1979

B) 1999

C) 1981

D) None of the above

Q.3. Which word represents the if termination?

A) No word is needed to represent the termination.

B) fi

C) else

D) None of the above

Q.4. What is a shell in LINUX?

A) a program through which users can issue commands to LINUX

B) a window management system

C) the login screen

D) the thing that rides on the back of a turtle in LINUX

Q.5. Which variable contains last background job process id

A) $\*

B) $?

C) $$

D) $!

Q.6. Ctrl-Z key combination

A) generates a SIGINT signal

B) stops the process running in the shell

C) kills the process running in the shell

D) generates a SIGINT signal & kills the process running in the shell

Q.7. Which command terminates a running process by name of the process?

A) kill

B) pkill

C) killall

D) none of the mentioned

Q.8. Which of the following command use to background process to foreground?

A) GB

B) background

C) fg

D) bg

Q.9. With an extension .sh the shell scripts are saved.

A) False

B) True

Q.10. What combines the linux commands to perform a specific task?

A) terminal

B) shell

C) shell scripts

D) None of the above

**5 MCQ (2 Marks each)**

Q.1. To determine the shell of your system\_\_\_\_\_\_\_\_\_\_

A) SHELL

B) $SHELL

C) echo $SHELL

D) echo SHELL

Q.2. You can match several variables against one variable in which of the following control structures?

A) if control

B) case control

C) loop control

D) None of the above

Q.3. What is the output of the following program?

b =

[ -n $b ]

echo $?

[ -z $b ]

echo $?

A) 1

1

B) 2

2

C) 0

0

D) 0

1

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

#!/bin/bash

var[1]=san\_1

var[2]=san\_2

var[3]=san\_3

echo ${var[\*]}

exit 0

A) san\_1

B) san\_2

C) san\_3

D) san\_1 san\_2 san\_3

Q.5. After running this program, as you press ‘c’, what will be the output of the program?

#!/bin/bash

echo "press 'c' to print Chitkara"

read var

if $var=c

then

echo "Chitkara"

else

echo "You did not press c"

fi

exit 0

A) Chitkara

B) You did not press c

C) Program will generate an error message

D) None of the mentioned

**4 Submissions (5 Marks each)**

Q.1. What is bc command in linux. Explain any one operator in it with example.

Q.2. write a script to display largest number among three numbers.

Example

10

19

02

Example output

19 is Largest Number

Q.3. What is bg and fg commands, explain with examples.

Q.4. Write commands for following, (1 Mark each)

a) To check all the running processes.

b) to check the nice value of terminal.

c) to set highest priority to any command.

d) set the nice value of the terminal to 5.

e) to set lowest priority to any command.