**10 MCQ (1 Mark each)**

Q.1. Which of the following command can create environment variable?

A) read

B) set

C) export

D) none of the mentioned

Q.2. Command used to determine the path of an executable file is

A) which

B) where

C) wexec

D) what

Q.3. While executing a command, the shell

A) Executes it in the same process (as shell)

B) Creates a child shell to execute it

C) Loads a special program to take care of the execution

D) None of the mentioned

Q.4. Which variable will display the list of the positional parameters?

A) $#

B) $\*

C) $?

D) $$

Q.5. Which one of the following is not correct about job control in bash shell?

A) it is the ability to stop and resume any process running in shell at a later point

B) user employs this facility via an interactive interface supplied by the kernel’s terminal driver and bash

C) it is the ability to create any process

D) none of the mentioned

Q.6. The command ‘enable -n ‘

A) enables the specified built-in command

B) disables the specified built-in command

C) print the status of the command

D) none of the mentioned

Q.7. The process which terminates before the parent process exits becomes \_\_\_\_\_\_.

A) Zombie

B) Orphan

C) Child

D) None of the mentioned

Q.8. To run the new program we use \_\_\_\_\_\_\_\_\_\_\_ system call.

A) exec

B) wait

C) fork

D) exit

Q.9. Which of the following command is used to display the name of the operating system?

A) os

B) unix

C) kernel

D) uname

Q.10. Which word represents the if termination?

A) No word is needed to represent the termination.

B) fi

C) else

D) None of the above

**5 MCQ (2 Marks each)**

Q.1. Which shell is backward compatible with C- shell?

A) TENEX C shell

B) TEN Csh

C) NEX CSH

D) All of the above

Q.2. which of these is NOT a valid variable in bash

A) \_\_ (double underscore)

B) \_1var (underscore 1 var )

C) \_var\_ (underscore var underscore)

D) some-var (some hyphen var)

Q.3. The $ variables in a shell script context designates

A) The runtime of the script

B) Number of command line arguments

C) PID of the shell running the script

D) The exit status of the shell script

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

#!/bin/bash

a=2

b=4

let c=a\*\*b

echo $c

exit 0

A) 8

B) 16

C) 32

D) none of the mentioned

Q.5. Choose the command to display the current date in the form dd/mm/yyyy.

A) date +”/%d/%m/20%y”

B) date +”%d/%m/%Y”

C) date +/%d/%m/20%y

D) date +%d/%m/%Y

**4 Submissions (5 Marks each)**

Q.1. Enlist the different types of shell. (Minimum 5)

Q.2. write a script to read temperature in centigrade and display suitable message according to temperature as stated below,

Temperature less than 0 = Freezing  
Temperature 1 to 10 = Very Cold  
Temperature 11 to 20 = Cold  
Temperature 21 to 30 = Normal  
Temperature 31 to 40 = Hot

Temperature greater than equal 40 = Too Hot

For e.g.

input - 42

output – Too hot

Q. 3. Write a note on cal command with examples. (Any 5 options)

Q.4. Write commands for following,

a) ping any website only 5 times. (1 mark)

b) ping any website and set size to 40 bytes. (2 mark)

c) ping any website with an interval time of 3 seconds. (2 mark)