**Q.1 A) Multiple choice questions. 10**

**1)** Which of the following symbols represent redirection?

a) - b) <

c) & d) |

**2)** The statement z='expr 5 / 2' would store which of the following values

in z?

a) 0 b) 1

c) 2 d) 5

**3)** Which of the following command is used to access an SMB share on

a Linux system?

a) NFS b) smbclient

c) SMD d) smbserver

**4)** Which is the correct way to use the nice command?

a) nice 5 class b) nice +5 class

c) nice -d class d) none of these

**5)** What is the full path for grub's configuration file?

a) /boot/grub/lsof.conf b) /boot/grub/menu.lst

c) /etc/grub/grub.conf d) /etc/grub/grub.txt

**6)** Which can be used to find a file emp.sh under the current directory or

its subdirectories?

a) find . -print emp.sh b) find emp.sh

c) find . emp.sh d) none of these

**7)** Which command used to print the route packets trace to a network

host?

a) netstat b) route

c) routetrace d) none of these

**8)** Which can be used to show the content of a zip file without extracting

a file?

a) unzip –t b) unzip –d

c) unzip –Z d) unzip –x

**9)** Which symbol is used to separate more than one command in the

command line?

a) $ b) #

c) : d) ;

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**10)** You need to change some settings on your Apache server. Which is

the best tool to use for logging in remotely?

a) rsh b) ssh

c) rlogin d) telnet

**B) Fill in the blanks. 06**

1) \_\_\_\_\_\_ system variable is used to store the PID of the current shell.

2) Case statement ends with \_\_\_\_\_\_.

3) The location for subdirectories for local programs and executable for

user and administrative commands is in \_\_\_\_\_\_ directories.

4) “?” Wild character is used for matching \_\_\_\_\_\_ character.

5) When you in the vi editor, by default you are in \_\_\_\_\_\_ mode.

6) \_\_\_\_\_ is used to replace a single character in “vi” editor.

**Q.2 Solve any Eight of the following. 16**

**a)** Define File permission?

**b)** What is Linux and why is it so popular?

**c)** List the name of different Shells available in Linux.

**d)** What is shell script?

**e)** What is chown command with example?

**f)** Define Inode Block.

**g)** What are positional parameters?

**h)** How do we move jobs to background and foreground?

**i)** Define we command.

**j)** What are the network / communication commands?

**Q.3 A) Attempt any Two of the following. 10**

1) How to create archive file in Linux with example?

2) Explain different boot loaders.

3) What is the syntax for different types of loops available in shell scripting

with example?

**B)** Write a shell script to check entered number is Armstrong or not. **06**

**Q.4 A) Attempt any Two of the following. 08**

1) How files are internally organized in Linux file system? Explain it

briefly.

2) What is a shell? How does it work with the kernel & user?

3) What is the difference between hard and soft links?

**B) Write a menu driven shell Script 08**

1) Copy a file

2) Remove a file

3) Move a directories

4) Cut fields 1,3,5 from bca file

5) To remove repeated data from bcom file.

**Q.5 Attempt any Two of the following. 16**

**a)** Explain Input modein detail.

**b)** Describe the use of filter. Explain sort filter command in detail.

**c)** Explain sed command in detail with example.