GLS INSTITUTE OF COMPUTER APPLICATIONS
SY iMSC(IT)
SEM - 3
SUBJECT: Practical on OS
ASSIGNMENT – 1

1. Write a shell script to execute following commands-
   - How would u display the hidden files?
   - How delete directory with files?
   - Explain two functionality of “mv” command with example?

2. Write a shell script to display
   i. User name,
   ii. Users home directory.
   iii. Terminal name
   iv. Terminal type.
   v. Machine name.

3. Write a shell script to execute following commands
   - Display contents of file xyz.txt
   - Display version of the UNIX?
   - How would u get online help of cat command?
   - How to print “this is a three –lineText message”

4. Write a script to calculate gross salary. (DA = 60%OF BASIC, HRA = 20% OF BASIC, MA = 100 and IT = 15% of BASIC)

5. Write a shell script to execute following commands
   - Create a file called text and store name,age and address in it.
   - Display the contents of the file text on the screen.
   - Display version of operating system.

6. Write a shell script to display the following menu and acts accordingly:
   i. Calendar of the current month and year.
   ii. terminal type
   iii. User name, Users home directory.
   iv. current month
   v. Machine name.

7. Write a shell script to
   a. create a directory gls
   b. create subdirectory college in gls directory
   c. create a file f1 in college directory.
   d. copy this f1 file into home directory.

8. Write a shell script to create two files f1 and f2 and perform the following operation.
   - Compare these two files.
   - Display the difference of these two files.
   - Display the common between these two files.

9. Write a shell script to perform the following:
   - Display long listing of the file f1

- Display number of lines, characters of the file f1
- Display all the hidden files in current directory.

10. Write a shell script to find biggest of two numbers.

11. Write a shell script to find biggest of three numbers.

12. Write a shell script for a simple calculator to perform addition, subtraction, multiplication, division using case statements.

13. Write a shell script to find volume of cube. (side*side*side).
Write a shell script to accept the temp in Celsius and convert it into Fahrenheit(c=F-32/1.8).

14. An employee Basic salary is input through keyboard where da is 40% of basic salary and hra is 20% of basic salary. Write a program to calculate gross salary.

15. Accept a file and check if the words in that file are greater than 20 print “Enough Words” else print “More words to enter”.

16. Write a shell script to accept two strings from user and check if both strings are equal or not.

17. Create a file named “First_shell” using cat command. Check if this file is readable, writable and executable or not. If it is not executable then make it executable and then list out all the files and see if it became execuatble.

18. Check the current working directory and who is the user then make a directory and a file in it named as “Demo.sh”. Change its permission to make it executable and then rename that file with “New_file.sh”.

19. Save the list of all the files using output redirection into a file named “File_list”and make this “File_list” an executable file only. Then check for that file in another script if it is readable, writable or executable or not.

20. Accept a file and check if the lines n that file are greater than 10 print “Enough Lines” else print “More lines to enter”.