**Lab Report File**

**Term – I**

1. Write a python code that prints the longest word in a list of words.

2. Write a python program to create a tuple storing first 9 Fibonacci series.

3. Write a program that returns a list that contains only common elements from two given lists of 10 elements and 7 elements respectively.

4. Create a dictionary whose keys are month names and whose values are the number of days in the corresponding months.

i) Ask the user to enter a month name and use the dictionary to tell how many days are there in the month.

ii) Print out of all the months with 31 days.

5. Write a program to print the sum of the following series:

* -X + X2 – X3 + X4 + …..Xn
* 1 + (1+2) + (1+2+3) + ……… (1+2+3+…….+n)

6. Write a program that accept any number and prints number of digits.

7. Write a function to insert a string inside into the middle of another string.

8. Write a program to read a name and then display it in abbreviated form.

Example: Input: Raju Verma

Output: RV.

9. Write a function to calculate GCD of two given numbers.

10. Write a function that prints the maximum and minimum values in a dictionary. The dictionary must be passed while calling the function.

11. Write a program that prompts a number from the user and adds it in a list. If the number is more than 100 then add ‘EXCESS’ in the list.

12. Read a text file line by line and display each word separated by a #.

13. Read a text file and display the number of vowels / consonants / uppercase / lowercase characters in the file.

14. Remove all the lines that contains the character ‘a’ in a file and write it to another file.

15. Create a binary file with name and roll no. Search for a given roll number and display the name, if not found display appropriate msg.

16. Create a binary file with roll number, name, and marks. Input a number and update the marks.

17. Write a random number generator that generates random numbers between 1 & 6. (Simulates a dice)

18. Create a CSV file by entering user – id and password, read and search the password for a given user – ID.

19. Write a python program to read a text file STORY.TXT and print only palindrome words from the file.

20. Write a python program to read a text file with multiple lines. Display the file in reverse order according to its line.