**Python programming**

**Assignment**

**(Unit-1 and Unit-2)**

1. Explain the feature of python. Write a program for displaying reversal of a number.
2. Write down the rules to define the variables in python. Write a program for finding biggest number among 3 numbers.
3. Explain different types of datatypes in python with example.
4. Discuss the use of range() function with example. Write a program in python to print 10 prime numbers
5. How to do comment a line(s) in python.
6. List the name of any 5 IDs used for python programming.
7. Explain different types of operators with example.
8. Illustrate the significance of break and continue keyword with any suitable code.
9. What are basic control statements in python. Explain each with suitable example.
10. What is a string? Write down the feature of string. Write a program for displaying length of a string.
11. List any 10 string built-in function with example.
12. What is string slicing? Write the importance of slicing. Write a program for displaying first and last 4 characters of a string “Delhi is famous city” to console.
13. Write a program to count total digit, lowercase and uppercase characters of a string.
14. Explain the concept of negative indexing in string. Write a program for displaying reversal of string.
15. Explain membership operator with example
16. Write a program to convert a string into binary no and vice versa.
17. Write a code to convert a binary no into octal no and vice versa.
18. What is a file? Explain different types of files and modes to open a file.
19. What is file pointer? Explain the working of tell() and seek() function.
20. Write a program to copy the content from file to another file in upper case.
21. What is csv file? Write a program to write the content to “test.csv” file and display them to console.
22. Write a program to display the content of first 3 columns of “test1.csv” file to console.
23. What is List. Explain its features. Differentiate string and List.
24. Write a program to insert and update the element in the List.
25. Explain any 5 List built-in functions with example.