**Python**

1) Explain List in Python with an example

2) Explain the ways of append() in List with an example

3) How to modify List components. Explain

4) State the difference between del(), remove(), pop()

5) State the datatypes in Python. Explain ways of modifying elements in Dictionary.

6) Explain Dictionary in Python with an example.

7) What are the different access modes in which you can open a file?

8) Describe the features of Python

9) Write a note on Pickle module

10) Explain with an example, the conditional branching statements supported by Python.

11) What is a Dictionary in Python? Explain any 2 functions with an example

12) Write a program to print whether a given number is Armstrong or not.

13) Write Python program that has a class Person storing name and date of birth(DOB) of a person. Subtract the DOB from today’s date to find out whether a person is eligible to vote or not

14) Explain the type of files in Python.

15) Explain the datatypes in Python

16) What are lambda functions? Explain

17) What is a Tuple in Python? Explain any 2 functions with an example.

18) Compare del, remove, pop function in Python List

19) Write a program that counts the number of occurrences of a character in a string.

20) Write a python program to create a class Circle and compute the Area and the circumference of the circle.(use parameterized constructor)

21) What is Slice operation in Python? Explain with an example

22) Explain the various set operations with an example

23) Explain the various datatypes in Python

24) Discuss Anonymous function in Python with an example

25) Explain the different type of formal arguments while calling a function with example

26) Write a Python function that takes a list of words and returns the longest word and its length

27) Explain Local and Global variable with an example

28) Discuss Recursion.

29) Write a function to print Fibonacci series

30) Explain Multi-line statements and Comments in Python with an example

31) Discuss break, continue and pass statement in python

32) Explain the different Set operations(Set union, intersection, difference and symmetric difference)

33) What is a Set? Explain the different functions to manipulate set.

34) Explain any 4 String functions.

35) Explain join(), split() and replace() methods with an example

36) Explain membership operators

37) What is a tuple? Explain Slicing

38) Explain concatenation of tuple

39) Write a program to check whether the number is even or odd. Print an appropriate message to the user.

40) Write a program which will find all numbers which are divisible by 7 in the range of 1 to 100

41) Write a python script to define a class student having members

#roll no, name, age, gender. Create a subclass called Test

#with member marks of 3 subjects. Create three objects of the Test class

#and display all the details of the student with total marks.

42) Write a python script to create a class Rectangle

#with data member’s length, width and methods area, perimeter

#which can compute the area and perimeter of rectangle.

43) Write a python script to define the class person having members name, address.

# Create a subclass called Employee with member salary.

# Create 'n' objects of the Employee class and display all the details of the employee.

44) Explain Object oriented programming concepts

45) What is a class in Python? Explain with an example

**Programmes -**

41) \*Slip programs

41) \* Python Practice questions

42) \* Python Practice questions1