SECTION-A

1. (a) Discuss the different ways to run a Python Program. Explain.   8

    (b) Define literals, variables and identifiers used for Python programs.

       7

2. (a) How to create a dictionary and explain its different operations ? Elaborate how to iterate over a dictionary.   7

    (b) Explain the usage of logical operator by writing Python program.

       8

SECTION-B

3. (a) Write a Python program to find the largest of three numbers using if-else control structure.   7.5

    (b) What is meant by recursion ? Write a program to find factorial of a number using recursion.   7.5

4. (a) Differentiate Iteration and Recursion using examples.   7.5

    (b) Explain the concept of importing the Python module.   7.5

SECTION-C

5. (a) Write a Python program to read text from a text-file.   7.5

    (b) Differentiate write() and writeline() functions.   7.5

6. (a) Write a Python code to find area of a rectangle by using features of object oriented programming.   7.5

    (b) What is the significance of inheritance ? Explain.   7.5

SECTION-D

7. Discuss the steps to make SQL database connection using Python with an example.   15

8. Explain the following concepts by taking suitable examples :

    (a) Insert and update command   7.5

    (b) Data modelling.   7.5