

SECTION-A

1. (a) What are the technical strengths of Python. Write a simple Python program that takes numeric input from a user. 7
(b) Explain different operators and illustrate how tuples are immutable. 8
2. (a) How the list is appended and also explain different operators used on the list ? 7.5
(b) How to create a dictionary using a constructor ? Illustrate to iterate over a dictionary. 7.5

SECTION-B

3. (a) Explain While and For loops in Python. 7
(b) Write a program to calculate the factorial of a number using recursion. 8
4. (a) Differentiate packages and modules. 8
(b) What are the different methods of importing the external Python module ? 7

SECTION-C

5. (a) How to open and write into Python Files ? Explain with the program. 8
(b) What is the significance of Exception Handling ? Write a program to handle multiple exceptions. 7
6. (a) How to overload an Operator in Python ? Define the use of Destructor Program. 8
(b) Discuss the concept of overriding the methods with the program. 7

SECTION-D

7. (a) How is table created using Python ? Illustrate how to search a table in Python ? 8
(b) Explain data modelling with examples. 7
- Explain the following commands with examples :
- | | |
|---------------------|------------------------|
| (a) Modify Command | (b) Connection Command |
| (c) Delete Command. | |