UNIT 3

1. Write a python program to create and access the elements of array with an example?
2. Explain Numpy arrays with an example program? Explain Slicing on Numpy Arrays?
3. What are the advantages of arrays? Write a program to search a numeric value in a NumPy array.

UNIT 4

1. What are the categories of arguments in functions and explain with an example?
2. Define python Recursion function? Write a python program to factorial using recursion?
3. Write a Python function that takes two lists and returns True if they have at least one common member?
4. What is lambda function? What are the characteristics of a lambda function? Give an example.
5. What are Python OOPs Concepts?
6. Define inheritances and explain with simple example programs?
7. Define Class and Object? How to create Class and Object with simple example Program?

UNIT 5

1. Define Exception? List any 6 types of exception?
2. What is exception? Write the syntax and program to handle exceptions?
3. What are the keywords in exception handling? Differentiate else block and finally block in exception handling?
4. Define file and Explain the different types of file modes in python?
5. Write a python program to open a file Write a program to copy data from FILE1 to FILE2.?