

Advanced Python 5 Marks

2021 – 2022 old – 2022 new -2023

Unit 1

1. Explain Tkinter canvas with example.
2. Explain Tkinter MessageBox in detail.
3. Explain List in detail with example.
4. Explain Dictionary in detail with example.
5. Explain Tkinter Grid() method with example.
6. Explain Tkinter Text and Frame with example.
7. List out the types of Tkinter Message box in brief.
8. Write a code to design three Menu with the name File, Edit & Help using Tkinter.

Unit 2

1. List out any five Mathematical function with suitable Example.
2. Explain NumPy Array Iteration with suitable example.
3. Explain NumPy Linear Algebra with example.
4. Explain sorting and searching in NumPy with example.
5. What is class? How to create it? Explain with example.
6. Explain any one sorting algorithm in Python.
7. Explain Numpy Data types.
8. Explain Numpy Broadcasting.

Unit 3

1. Explain Threading module with example.
2. Explain synchronizing threads with example
3. Explain Mortgage with an example.
4. Explain the 0/1 Knapsack Algorithm with an example.
5. Explain Thread Methods in details.
6. Explain PyLab Bar chart with example.
7. Explain Pie chart with suitable example.
8. Explain Bar chart with suitable example.

Unit 4

1. Write a code to create Database login page in Python using Tkinter.
2. Write a code to insert and update data.
3. List out & explain the Regular Expression Modifiers.
4. Create a Python script to convert python dictionary object into JSON string.
5. Explain Basic data access in details.
6. Explain Database with Tkinter in details.
7. Write down the code to display records from the student table on the base of the name field.
8. Write down the code to update any three records on the base of the name field and display all the records.

Unit 5

- I. Explain MVC design pattern.
2. Explain Django project architecture. (2)
3. Characteristics of the Rocks versus Mines Data Set.
4. Difference between a Simple Problem and a Complex Problem
5. Create View using Django.
6. Explain Django basic template filters.
7. Write a code to run the application which print "Hello World" using Django.