Python Important questions unit-wise

Unit-I

- Explain about the need for learning python programming and its importance.
- Write in brief about the applications of Python.
- Explain the basics for executing a python program using REPL(Shell) with an example.
- Write a python program to read input using REPL(Shell) and display the output.
- Write the rules for choosing names of variables.
- Write in brief about any 5 keywords in Python.

Unit-II

- Explain about different Logical operators in python with appropriate examples.
- Explain about different Relational operators in python with appropriate examples.
- Explain about Membership operators in python with appropriate examples.
- Explain about Identity operators in python with appropriate examples.
- Explain about Arithmetic operators in python with appropriate examples.
- List different conditional statements in python with appropriate examples.
- What are the different Loops available in python?
- What are the different loop control statements available in python? Explain with suitable examples.

Unit-III

- Explain about methods in Lists of Python with appropriate examples.
- Write a python program to describe different ways of deleting an element from the given List.
- What are the different operations that can be performed on a list? Explain with examples.

- Write in brief about List in python.

- Write in brief about Tuple in python. Write operations with suitable examples.

- Write in brief about Set in python.Write operations with suitable examples.

- Write in brief about Dictionary in python.Write operations with suitable examples.

- Write in brief about Sequence in python.Write operations with suitable examples.

- Compare List and Tuple.

Unit-IV

- Explain about fruitful functions with suitable examples.

- Explain about void functions with suitable examples.

- Compare fruitful and void functions.

- How to create a module and use it in a python program explain with an example.

- Explain the concept of namespaces with an example.

- Write about the concept of scope of a variable in a function.

- Write about different types of arguments in a function.

- Write in brief about anonymous functions.

Unit-V

- List the features and explain about different Object Oriented features supported by Python.

- Explain the concept of method overriding with an example.

- How to declare a constructor method in python? Explain.

- Explain the feature of Inheritance in python with an example.

- Differentiate between an error and exception.

- How to create a user defined exception?

- How to handle an exception using try except block? Explain with the help of a program.