**II-IV SEM PYTHON IMPORTANT QUESTIONS**

**UNIT-I**

1. What is python and its features?
2. Define data types and types of data types
3. Define operator and its types
4. What is type conversion in python? Why it is important
5. Define selection and what are selection statements in python with example
6. Write about input and output statements in python
7. Define debugging what are some common tools or methods used to debug python code
8. Define string handling functions and types with example
9. Difference between break and continue
10. What are some common operators you can perform on strings in python
11. Write about comments in python
12. Write about keywords and identifiers.

**UNIT-II**

1. What is function and write about built in functions and user defined functions
2. Write about scale of a variable with example
3. What are the main principles of oop in python
4. How do you pass arguments to a function
5. What is exception handling and types of exceptions
6. What is inheritance in python and how does it work with classes
7. What is package and how it different from a module
8. How do you define a class in python and provide with example

**UNIT-III**

1. Write about list methods with example
2. What is tuple and how it is different from list
3. What operations or methods can be performed on a tuple with example
4. What is dictionary and how it is different from tuple or list
5. Write about operators on dictionary in python with example
6. Explain about dictionary methods and built in functions in python with example

**UNIT-IV**

1. What is NUMPY and how it is different from a regular python list
2. How can you access and modify elements of NUMPY array using indexing and slicing
3. What is pandas data frame and how it is differ from a series
4. How is pandas library used for dek handling in python
5. What is main difference between pandas series and NUMPY
6. How do you read CSV file into pandas data frame
7. Explain about operations on NUMPY arrays with example

**UNIT-V**

1. What is matplotlib and how it is used to data visualization in python
2. How can you create bar chart in matplot lib and histogram in matplot lib
3. How you create pie and scatter using matplot lib
4. How do you import MYSQL in python for data base connectivity
5. How do you write a basic SQL query in MYSQL to retrieve data from a table
6. How do you create radio button and check button and label.