**Syllabus of Python Programming Language**

**Section – 1) Introduction and Basics**

**01 - Why Python**

**02 - How to Install Python and Sublimtext Compiler**

**03 - Variable Declaration and Memory**

**04 - Builtin Python datatypes**

**05 - Operators in Python**

**06 - Conditional Statements Else-If**

**07 - Iterating using For Loop**

**08 - Continue,Break & enumerate**

**09 - Iterating Using While Loop**

**10 - Python Assignment 1**

**11 - String Datatype Indexing,Slicing and Striding**

**12 - String Datatypes**

**13 - List Datatype**

**14 - List Data Types**

**15 - Tuple Data Type**

**16 - Dictionary Data-type**

**17 - Update & Delete Operation in Dictionary Datatype**

**18 - Set Datatype**

**19 - Working with Math & Random Modules**

**20 - Getting Started with User Defined Functions**

**21 - Parameter Passing techniques & Types of parameters**

**22 - Parameter passing technique Variable Length, Possitional & Keywors**

**23 - Writing Recursive Functions**

**24 - Creating Modules and Packages**

**25 - Introduction to RE Module**

**26 - RE Module**

**27 - List Comprehension & Dict Comprehension**

**28 - Functional Programming**

**29 - Function Iterations**

**30 - Iteraation & Iertools**

**31 - Getting Started with File Operation**

**32 - File Operations Read, Write & Append**

**33 - Parcing JSON Files using python**

**34 - Parcing XML Files using XMLtodict**

**35 - Introduction To Object Oriented Programming**

**36 - Object Oriented Programming Class Method & Study Method**

**37 - Object Oriented Programming Inheritance**

**38 - Web Scrapping Using BeautifulSoup**

**39 - Executing database queries using python**

**40 - Python Decorators**

**41 - Python Quiz**