

SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar
Programme & Subject : B.Sc (CA & IT) – M.Sc (CA & IT) Dual Degree
Semester – 3
PS03AIIT21 : Python Programming
(w.e.f June 2019)

Credits : 2

External : 50 Marks

Contact Hrs per Week : 2

Exam Duration: 2 Hrs

	Description in Detail	Weightage (%)
	Practical Based on Python Programming	100%

Practicals based on following Concepts
Conditional Statements and loops
Python Data Structures and Manipulation Lists, Tuples and Dictionaries, Lists – inbuilt functions, Tuples – inbuilt functions, Dictionaries – inbuilt functions, Data Structure Manipulation using loops
Functions, File Management and Exception Handling
Using Python as an Object-Oriented Language, Pandas and NumPy

Basic Text and Reference Books:

1. Paul A. DeBarry: Head First Python, 2010, O'Reilly Media, Inc.
2. Martin C. Brown: The Complete Reference Python, McGraw Hill
3. David M. Beazley: Python Essential Reference, Pearson Addison-Wesley Professional
4. Python Tutorial/Documentation www.python.org 2010
5. Allen Downey, Jeffrey Elkner, Chris Meyers , How to think like a computer scientist : learning with Python , Freely available online.2012
6. <http://docs.python.org/3/tutorial/index.html>
7. <http://interactivepython.org/courselib/static/pythonds>
8. <http://www.ibiblio.org/g2swap/byteofpython/read/>