

	S T	ubject Code: 2648601 ubject Name: Python ime: 9:30 to 11:30 astructions:  1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.	
Q.1	(a)	1) Define following terms and give example: (4)  i. List Cloning  iistr(self) method  iii. String Slicing  iv. Assert Statement  2) Write the correct answer for the following questions: (4)  i. Which of the following correct set of mutable sequence objects in Python?  a) List and Tuple c) List, Tuple and Dictionary  b) List and Dictionary d) Tuple and Dictionary  ii. Which of the following is used as a constructor in Python class?  a) init() b) init(self) c)init(self) d)init()  iii is a mutable sequence object of python which utilizes Hash Table technique to search the data with key.  a) List b) Tuple c) Dictionary d) All of these  iv. The symbol along with the name of the decorator function can be placed above the definition of the function to be decorated works as an alternate way for decorating a function.	08
	(b)	<ul> <li>a) # b) @ c) \$ d) &amp;</li> <li>1) List down the data types and operators available in Python.</li> <li>2) Explain branching statements available in Python.</li> </ul>	03 04
Q.2	(a)	What do you mean by Exception? Explain how exception handling is done in Python using	07
	(b)	suitable example.  Briefly explain file handling in python with open(), close(), write() and readlines()	07
	(c)	methods using appropriate example.  What do you mean by formal arguments and actual arguments? Take example to explain positional, keyword, default and variable length arguments with respect to function call in Python.	07
		OR	
Q2	(a)	Explain user-defined exception in detail with example given below:  Consider the students' roll_no and marks are in the dictionary and check if the marks of a student are not between 0 and 30 then handle the exception and display appropriate message.	07
	<b>(b)</b>	Explain lambda function in python with its use in filter() in-built function.	07

Enrolment No.\_\_\_\_\_

	(c)	Explain seek() and tell() methods in detail with proper example to read a binary file.	0
Q.3	(a)	r r	0′
		that can be performed on a dataframe with examples.	
	<b>(b)</b>	1. Explain Modules and its uses in Python with example.	03
		2. How the class Inheritance is done in python? Explain with example.	04
		OR	
Q.3	(a)	Explain following methods of pyplot with example.	07
		1. hist()	
		2. pie()	
		3. bar()	
	<b>(b)</b>	What is the use of PyLab in Python? Explain use of plot(), show(), legend() and title() functions of	0
	( )	PyLab for any real life example.	
		*******	