



GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (NEW) EXAMINATION – WINTER 2018

Subject Code: 2180711

Date: 29/11/2018

Subject Name: Python Programming

Time: 02:30 PM TO 05:00 PM

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
Q.1	(a) Explain lambda in Python with example	03
	(b) Explain Method Overloading in Python	04
	(c) Write a Python program to count words, characters and spaces from text file	07
Q.2	(a) Explain List in Python	03
	(b) Explain raw_input() and input() in Python	04
	(c) Explain Tuples in Python with example	07
	OR	
	(c) Explain Dictionary in Python with example	07
Q.3	(a) Explain title() and capitalize() methods	03
	(b) Write a Python program to search a specific value from a given list of values using linear search method	04
	(c) Give Difference between abstract class and interface in Python using an example	07
	OR	
Q.3	(a) Explain Exception Handling in Python	03
	(b) Write a Python Program to multiply two matrices	04
	(c) Develop chat application using Multithreading in Python	07
Q.4	(a) Explain namespaces in Python	03
	(b) Write a Python program to remove the first occurrence of a specified element from an array	04
	(c) Explain encryption and decryption in Python using an example	07
	OR	
Q.4	(a) Write a Python program to generate the fibonacci series using recursion	03
	(b) Explain steps to create widgets in Python	04
	(c) Write a Python program to match a string that contains only upper and lowercase letters, numbers, and underscores using Regular Expression	07
Q.5	(a) Explain Tkinter Widgets: Menu and Menubutton	03
	(b) Explain map, reduce and filter in Python	04
	(c) Write a Python program to find the substrings within a string using Regular Expression	07
	OR	
Q.5	(a) Explain Tkinter Widgets: button and radiobutton	03
	(b) Explain pack() and place() method of Tkinter	04
	(c) Draw Circle and Triangle shapes using Turtle and fill them with red color	07