GUJARAT TECHNOLOGICAL UNIVERSITY MCA Integrated - SEMESTER- V• EXAMINATION – WINTER 2016

Subject Code: 4450601 Date: 20 Subject Name: Python			/10/2016	
Time:02:30 pm - 05:00 pmTotal MarksInstructions:Total Marks			: 70	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1		 Explain the following terms: 1. Recursion 2. Debugging 3. Mutability 4. PyLab 5. Iteration 6. Abstract Data types 7. Encapsulation 	07	
	(B)	Describe Magic Methods of Python which are used for overriding	07	
Q.2	(A) (B)	Explain looping statements available in Python with examples. What do you mean by Defensive Programming? Explain briefly OR	07 07	
	(B)	Explain Binary Search with example	07	
Q.3	(A) (B)	Explain inheritance and also explain multiple level inheritances with example. What is Mortgages? Explain various methods of Mortgages. OR	07 07	
Q.3	(A) (B)	Explain Modules in Python. Explain Hash Tables in Python	07 07	
Q.4	(A) (B)	 What is Testing? Explain differences Between Black-Box & Glass-box testing. Write a short note: Explain Exceptions with example. Explain Debugging with designing and experiments. 	07 03 04	
Q.4	(A) (B)	Explain functions in Python.Write a short note:1. Explain file handling in python2. Explain structured types with types and details.	07 03 04	
Q.5	(A) (B)	Write a short note on dynamic programming with knapsack problem. Explain the use of Global and Non-Local variables with example OR	07 07	
Q.5	(A) (B)	What do you mean by Assertions? Explain with example Explain List and Tuple in Python.	07 07	
