Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER- III EXAMINATION – SUMMER 2015

Subject Code: 130403			Date:02/06/2015	
Tir	ne: 0 ructio 1. 2.	Attempt all questions.	0	
Q.1	(a) (b)	Write a note on classification of lipids. What are the basic components of nucleic acids?	09 05	
Q.2	(a) (b)	Enlist and explain the properties of water. Draw the structure of tRNA and rRNA.	07 07	
	(L)	OR	05	
	(b)	Write a note on lipid synthesis.	07 07	
Q.3	(a)(b)	Explain glycolysis process and calculate the ATP formed when one molecule of glucose undergoes glycolysis. Explain the steps involved in glycogen synthesis.		
		OR	07	
Q.3	(a) (b)	Explain the structure and properties of glycogen. Write a note on classification of monosaccharides.		
Q.4	(a) (b)	Explain Urea Cycle. Explain amino acid synthesis with an example. OR	07 07	
Q.4	(a)	Draw the three dimensional structure of protein and state the forces involved in stabilizing it.	07	
	(b)	Explain the general structure of amino acid.	07	
Q.5	(a) (b)	Explain the role of pituitary gland. Explain the role of auxin and ethylene.	07 07	
Q.5	(a) (b)	Explain the role of vitamin C. Explain the role of calcium.	07 07	
