Seat No.:	Enrolment No.
Seat No	Emonitent No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV • EXAMINATION – SUMMER 2013

Subj	ject (Code: 140402 Date: 12-06-201	3
Subj	ect N	Name: Basic Taxonomy and Techniques	
Time	e: 10	:30am - 01:00pm Total Marks: 7	0
Instru	action		
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	What is animal taxonomy? Describe various requirements of animal taxonomy in detail.	07
	(b)	Define animal diversity and discuss various kinds of animal diversities. Mention the importance of animal diversity.	07
Q.2	(a)	Write a note on early attempts of animal taxonomy.	07
	(b)	Write a note on early attempts of plant taxonomy. OR	07
	(b)	Write a note on early attempts of microbial taxonomy.	07
Q.3	(a)	Comment on family <i>Poaceae</i> and give atleast five examples.	07
	(b)	Comment on family <i>Leguminosae</i> and give atleast five examples. OR	07
Q.3	(a)	Mention key characteristics of any seven phyla of animals with atleast two examples.	07
	(b)	What is Numerical Taxonomy? Mention the relevance of Numerical Taxonomy for microbial classification.	07
Q.4	(a)	Write a note on scientific nomenclature of microorganisms with suitable examples.	07
	(b)	Write a note on scientific nomenclature of plants with suitable examples. OR	07
Q.4	(a)	Comment on the categories of microorganisms.	07
	(b)	Comment on the characteristics of bacteria.	07
Q.5	(a)	Explain the present status and recent developments in the field of plant taxonomy.	07
	(b)	Explain the present status and recent developments in the field of animal taxonomy.	07
		OR	
Q.5	(a) (b)	Discuss different methods of classifying plants. Discuss different methods of classifying microorganisms.	07 07
