GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV (OLD) - EXAMINATION - SUMMER 2017

Subject Name: Basic Taxonomy and Techniques Time: 10:30 AM to 01:00 PM Instructions:			ate: 06/06/2017 Cotal Marks: 70	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	Discuss in detail various methods of animal classification. Describe in detail about 16srRNA analysis with suitable diagram.		07 07
Q.2	(a) (b)	Enlist various microbial classification methods. Explain in detail. Define the word microbial diversity. Explain it in detail. OR		07 07
	(b)	Briefly discuss the contribution given by each scientist in the field	d of taxonomy.	07
Q.3	(a) (b)	Write in detail about present status of plant taxonomy. Discuss about recent development microbial taxonomy OR		07 07
Q.3	(a) (b)	Define the term colonical characteristics. Enlist and explain about Give a detail account on important phyla of animals with suitable		07 07
Q.4	(a) (b)	Give a note on early attempts done in the field of animal classification. Write about scientific nomenclature and diversity in plant taxonomous OR		07 07
Q.4	(a) (b)	Draw a labeled diagram of DNA homology experiment with suitab Define the following terms: Taxonomy, Dandogram, Colony, conserved sequences, identific nomenclature	-	07 07
Q.5	(a) (b)	Give a detail account on important plant families with suitable exemplain scientific nomenclature and give name of at least 5 bacter OR	-	07 07
Q.5	(a) (b)	Write the significances of phage typing and %G+C ratio in contex. What do you mean by biochemical characterization of microorga in detail.	•	07 07
