Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VII EXAMINATION - WINTER 2015

Su	bjec	t Code: 170402	Date: 07/12/2015	
Ti	•	t Name: Agricultural and Food Biotechnology 10:30am to 1:00pm	Total Marks: 70	
	2	 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 		
Q.1	` '	State the principle of Ballistic and Electroporation techniq Highlight on Marine Biotechnology applications in engineering.	•	07 07
Q.2		What are the physical methods of food preservation? Expl State the Merits/Demerits of Biofertilizers. OR	ain any two of them.	07 07
	(b)	Explain the Mulching process and its role in improving so	il productivity.	07
Q.3	(a) (b)	Discuss the sanitization approach in food industries. State the role of Pectic enzymes in foods and food industries. OR		07 07
Q.3		State the Merits/Demerits of Food Processing. State the role of Phenolase in foods and food industries.		07 07
Q.4		Justify: "Cryopreservation is significant in Storage of plant materials". Explain the general procedure for determination of microbes in food. OR		07 07
Q.4	` '	Elucidate on the principle aims of Biopharming. Explain the symptoms of any two type of food borne intoxication caused by bacteria.		07 07
Q.5		What is the principle for food preservation? What are the biochemical changes caused by microorganisms in food? OR		07 07
Q.5	` ′	What are the different sampling techniques for food analyst Write short note on food flavours.	sis?	10 04
