Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

		BE - SEMESTER-III (OLD) - EXAMINATION – SUMMER 2017	
	•	Code: 130301 Date: 07/06/20	17
	U	Name: Life Science-1 10:30 AM to 01:00 PM Total Marks:	70
	tructio 1. 2.	ons: Attempt all questions.	
Q.1	(a)	Describe the structure of Cell with diagram.	07
	(b)	Define terms: 1) Human anatomy and physiology 2) Cardiac volume 3) Adduction 4) Anterior 5) Hinge joint 6) Arthritis 7) Tidal volume.	07
Q.2	(a)	Explain different types of Epithelial tissue.	07
	(b)	Explain transport mechanisms across the Cell membrane.	07
		OR	
	(b)	Explain Erythrocytes in detail.	07
Q.3	(a)	Explain Structure and Composition of Bone.	07
	(b)	Explain different types of joints in Human body.	07
0.3	()	OR	0.5
Q.3	(a)	Explain bones of Lower limb.	07
	(b)	Explain physiology of Hearing with necessary diagram.	07
Q.4	(a)	Explain physiology of muscle contraction.	07
	(b)	Explain structure of Heart with necessary diagram.	07
		OR	
Q.4	(a)	Explain properties of Cardiac muscle.	07
	(b)	Explain anatomy of Respiratory system.	07
Q.5	(a)	Explain mechanics and mechanism of respiration.	07
	(b)	Explain structure of Eye.	07
		OR	
Q.5	(a)	Write short note on Artificial respiration.	07
	(b)	Explain taste buds of the tongue.	07
