Seat No.:	Enrolment No.

Subject Code:130301

**Subject Name: Life Science-1** 

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

Date:21/12/2015

## **BE - SEMESTER-III EXAMINATION - WINTER 2015**

Time: 2:30pm to 5:00pm Instructions:  1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.		otal Marks: 70	
Q.1	(a) (b)	Draw and Explain Structure and function of Cell. Give classification of Tissue. Explain Endocytosis and Exocytosis	97 s. <b>07</b>
Q.2	(a) (b)	Sketch neat Structure of Heart and ECG wave Form.  Draw and Explain Structure of Eye in detail.  OR	07 07
	<b>(b)</b>	Describe Structure of Ear with necessary diagram.	07
Q.3	(a) (b)	Draw and Explain Structure of Long Bone in detail. Write a Short Note on Anemia.	07 07
Q.3	(a) (b)	OR Explain Formation of Bone in detail. Enlist and Explain Functions of Blood.	07 07
Q.4	(a) (b)	Explain O2-Co2 Gas exchange process in Human ventilation System Explain generation of Action Potential in a Muscle.  OR	tem. <b>07</b>
Q.4	(a) (b)	Explain Muscles of Respiration with necessary diagram.  Differentiate various Anatomical Planes of Human Body.	07 07
Q.5	(a) (b)	Describe Physiology of Vision. Define: TV, IRV, ERV, VC, FRC, TLC and Stroke Volume.	07 07
Q.5	(a) (b)	OR Explain Sensation of Taste with necessary Diagram. Write a Short Note on Arrhythmias.	07 07

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