Seat No.:	F 1 / NI
Seat NO:	Enrolment No.
Scal Inc.	EHIOHICHUNO.

GUJARAT TECHNOLOGICAL UNIVERSITY

B. E. - SEMESTER – III • EXAMINATION – WINTER 2012

Subje	ect o	code: 130301 Date: 05-01-20	13
•		Name: Life Science - I	
		0.30 am – 01.00 pm Total Marks: '	70
Instr			
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Draw and explain structure of Cell. Explain function of different Cell organelles.	07
	(b)		07
Q.2	(a)	Draw anatomical structure of respiratory system and explain mechanism of Respiration.	07
	(b)	Explain Cardiac Cycle with necessary wave form. OR	07
	(b)	1 71	07
Q.3	(a) (b)	Draw and Explain structure and Formation of Long Bone and explain Function of Bone.	07 07
Q.3	(a)	OR Short Note: Leucocytes	07
Ų.S	(a) (b)	•	07
Q.4	(a)	± * *	07
	(b)	Short Note: Arrhythmia OR	07
Q.4	(a)		07
	(b)	•	07
Q.5	(a)	Explain structure of cell membrane and explain various Transport mechanisms of ions through cell membrane.	07
	(b)	±	07
Q.5	(a)	OR Give Classification of Tissue and explain Epithelial Tissue in Detail.	07
Ų.S	(a) (b)	± ±	07
	(,,,	1. Endocytosis- Exocytosis	
		2. Anterior- Posterior	
		3. FRC4. TV	
		5. Homeostasis,	
		6. Yellow Spot	
		7. Osteocytes	
