Seat No.:	Enrolment No.

Subject Code: 140301

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV EXAMINATION - WINTER 2015

Date:01/01/2016

Ti	me: tructi	t Name: Life Science-II 02:30pm to 05:00pm ons: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Draw and Explain Structure of Nephron. Explain structure of Midbrain with necessary Diagram.	07 07
Q.2	(a) (b)	Give the difference between Sympathetic and parasympathetic Nervous System. Define Deglutination. Explain the stages of deglutination.	07 07
	(b)	OR Describe Urine Formation process in detail.	07
Q.3	(a) (b)	Explain the basic structure of the alimentary canal. Describe physiological action of the hormone secreted by anterior pituitary gland.	07 07
Q.3	(a)	OR Describe the location of the liver in the abdominal cavity. List out functions of liver.	07
	(b)	Differentiate endocrine gland & exocrine Gland. Explain the action of the Growth hormone	07
Q.4	(a) (b)	Explain structure of Skin with neat Diagram. Explain Physiology of Menstruation.	07 07
Q.4	(a) (b)	OR Explain location &Function of Thyroid and Parathyroid Gland. Write a Short Note on EEG.	07 07
Q.5	(a) (b)	Explain Major organs of male reproductive system in detail. Explain the structure of spinal cord with its diagram.	07 07
Q.5	(a) (b)	OR Explain Major organs of Female reproductive system in detail. What is Synapse? Explain Importance of Neurotransmitters.	07 07
