

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E. Sem-IV Remedial Examination Nov/ Dec. 2010

Subject code: 140301

Subject Name: Life Science-II

Date: 06 / 12 / 2010

Time: 03.00 pm – 05.30 pm

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain the Size, Shape, Location & External Feature of liver. 07
(b) What are the important constituents of saliva? Write the function of salivary gland. 07
- Q.2** (a) Define Deglutination. Explain the stages of deglutination. 07
(b) Define digestion. Write the function of stomach. 07
- OR**
- (b) Explain the posterior pituitary gland. 07
- Q.3** (a) Enlist the organ of excretory system. Explain the nephron. 07
(b) Explain the Micturation. 07
- OR**
- Q.3** (a) Explain the size, shape, location & structure of kidney. 07
(b) Define dialysis. Explain the process of urine formation. 07
- Q.4** (a) Explain the classification of Receptor. 07
(b) Write the function of Synapse. 07
- OR**
- Q.4** (a) Describe the cranial nerves. 07
(b) Explain the structure of spinal cord. 07
- Q.5** (a) Differentiate endocrine gland & exocrine Gland. Explain the action of the Growth hormone. 07
(b) Explain the thyroid gland. 07
- OR**
- Q.5** (a) Define Ovulation. Explain the Menstrual Cycle. 07
(b) Explain the structure of Ovary. 07
