

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Ph.- SEMESTER- II -EXAMINATION – SUMMER – 2018**Subject Code: BP201TP****Date: 19/05/2018****Subject Name: HUMAN ANATOMY AND PHYSIOLOGY II****Time: 10:30 AM TO 01:30 PM****Total Marks: 80****Instructions:**

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

- Q.1** (a) Write the physiology of urine formation. 06
- (b) Write a note on neuron fiber with properly labeled figure. 05
- (c) Explain digestion of carbohydrates and fat from various parts of gastrointestinal tract. 05
- Q.2** (a) Write in detail acid production in stomach and its regulation. 06
- (b) What are the functions of cerebrum? Enlist all cranial nerves. 05
- (c) What are inherited diseases? Explain the pattern of inheritance. 05
- Q.3** (a) What is external and internal respiration? Explain with diagram. 06
- (b) Explain the regulation and functions of hormone secreted by adrenal glands. 05
- (c) Write the steps of protein synthesis in a cell. 05
- Q.4** (a) Write short note on spermatogenesis. 06
- (b) Name the hormones secreted by pituitary glands. Detail the disorders related to pituitary glands. 05
- (c) Write detailed note on reflex activity. 05
- Q.5** (a) Write in detail pregnancy and parturition. 06
- (b) Explain the role of kidney and lungs in acid base balance. 05
- (c) Write short note on parathyroid glands. 05
- Q. 6** (a) Draw neat labeled diagram of male reproductive system. 06
- (b) Explain anatomy and functions of pancreas with associated disorders. 05
- (c) What is the importance of meninges and CSF? 05
- Q.7** (a) Write the functions of liver and disorders related to it. 06
- (b) Explain the following terms: diabetes insipidus, virilism, cushing syndrome, micturition, synapse, BMR. 05
- (c) Describe artificial respiration and resuscitation method. 05