

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.

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| 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 |