

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER– II EXAMINATION – WINTER -2020

Subject Code: BP201TP**Date: 05/03/2021****Subject Name: Human Anatomy and Physiology II****Time: 10:30AM TO 12:30PM****Total Marks: 54****Instructions:**

1. Attempt any THREE questions from Q-1 to Q-6.
2. Q.7 is compulsory to attempt.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

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|-------------|---|-----------|
| Q.1 | (a) Describe in detail physiology of urine formation. | 06 |
| | (b) Write functions of human liver. | 05 |
| | (c) Describe mechanism and regulation of respiration. | 05 |
| Q.2 | (a) Explain the adrenal gland with hormone secreted from it. | 06 |
| | (b) Write a note on protein synthesis. | 05 |
| | (c) Define hormone. Classify endocrine glands and their hormones. | 05 |
| Q.3 | (a) Explain the synthesis, circulation and functions of CSF. | 06 |
| | (b) Explain neurohumoral transmission. | 05 |
| | (c) Describe the various phases of gastric secretion. | 05 |
| Q.4 | (a) Explain digestion of carbohydrates and proteins in the different parts of digestive system. | 06 |
| | (b) Write a note on BMR. | 05 |
| | (c) Write a short note on hormones secreted from endocrine part of pancreas. | 05 |
| Q.5 | (a) Explain in detail about physiology of menstruation. | 06 |
| | (b) Explain Angiotensin system. | 05 |
| | (c) Describe artificial respiration and resuscitation method. | 05 |
| Q. 6 | (a) Give a detail account on a reflex arc. | 06 |
| | (b) Describe anatomy and physiology of cerebellum. | 05 |
| | (c) Explain different types of cranial nerves. | 05 |
| Q.7 | (a) Explain anatomy and physiology of thyroid gland. | 06 |
| | OR | |
| | (a) Explain terms: Vital capacity, Gigantism, Pheochromocytoma, micturition. | 06 |
| | OR | |
| | (a) Describe functions of testes in detail. | 06 |
