

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER II • EXAMINATION – SUMMER -2020**Subject Code:BP201TP****Date: 26-10-2020****Subject Name: Human Anatomy and Physiology II****Time: 10:30 AM TO 1:30 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) Explain conduction of nerve impulses. | 06 |
| | (b) Write a short note on anatomy of salivary gland. | 05 |
| | (c) Write a short note on mechanics and mechanism of respiration. | 05 |
| Q.2 | (a) Explain structural and functional unit of the kidney. | 06 |
| | (b) Classify endocrine glands with examples. | 05 |
| | (c) Draw clean and neat diagram of male reproductive system. | 05 |
| Q.3 | (a) Short note on transcription. | 06 |
| | (b) Explain different types of cranial nerves. | 05 |
| | (c) Explain mechanism of gastric acid secretion. | 05 |
| Q.4 | (a) Explain energetics of ATP. | 06 |
| | (b) Discuss about control of respiration. | 05 |
| | (c) Explain physiology of urine formation. | 05 |
| Q.5 | (a) Short note on hormones of anterior pituitary gland. | 06 |
| | (b) Write a short note on menstruation cycle. | 05 |
| | (c) Write about translation process. | 05 |
| Q. 6 | (a) Give detailed account on reflex arc. | 06 |
| | (b) Short note on physiology of liver. | 05 |
| | (c) Discuss counter current mechanism with diagram. | 05 |
| Q.7 | (a) Explain anatomy and physiology of thyroid gland. | 06 |
| | (b) Discuss spermatogenesis or oogenesis. | 05 |
| | (c) Write about synthesis, storage, release and metabolism of Acetyl choline. | 05 |
