

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER – 2- EXAMINATION –WINTER - 2018

Subject Code:BP201TP**Date: 07/12/2018****Subject Name: Human Anatomy and Physiology II****Time:02:30 PM TO 05:30 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 regulation and physiology of respiration. | 06 |
| | (b) Physiology of urine formation in detail. | 05 |
| | (c) Explain neurohumoral transmission. | 05 |
| Q.2 | (a) Explain various phases of acid secretion in stomach. | 06 |
| | (b) Explain hormone secreted from gonads. | 05 |
| | (c) Explain action potential in neuron. | 05 |
| Q.3 | (a) Explain adrenal gland and give detail about hormone secreted from it. | 06 |
| | (b) Explain protein synthesis in detail. | 05 |
| | (c) Define terms: Dementia, ADH, Emphysema, Vital Capacity, Acromegaly | 05 |
| Q.4 | (a) Draw labelled diagram of female reproductive system and explain it. | 06 |
| | (b) Explain roll of kidney in acid base balance. | 05 |
| | (c) Note on BMR and give use of creatinine phosphate. | 05 |
| Q.5 | (a) Define hormones and explain how it maintains body equilibrium. | 06 |
| | (b) Note on menstrual cycle. | 05 |
| | (c) Explain Angiotensin system. | 05 |
| Q. 6 | (a) Classify nervous system and give idea about autonomic nervous system. | 06 |
| | (b) Explain Spermatogenesis. | 05 |
| | (c) Note on non-excitatory nerve cells. | 05 |
| Q.7 | (a) Explain synthesis, circulation and contain of CSF. | 06 |
| | (b) Enlist and explain enzyme secreted by GIT. | 05 |
| | (c) Define terms: Cushing syndrome, Diabetes insipidus, fatty liver, Asthma, Renal calculi | 05 |
