

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.**

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
