

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 2 EXAMINATION – WINTER -2019

Subject Code: BP201TP**Date: 16-12-2019****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.

Q.1	(a) Describe mechanism and regulation of respiration.	06
	(b) Describe the importance of buffer system for acid-base balance.	05
	(c) Write a short note on CSF.	05
Q.2	(a) Draw a labeled diagram of human brain. Write functions of hypothalamus.	06
	(b) Define hormone. Classify endocrine glands and their hormones.	05
	(c) Write in details about pancreatic hormones.	05
Q.3	(a) Discuss the various methods of artificial respiration and resuscitation.	06
	(b) Describe the various phases of gastric secretion.	05
	(c) Write a note on BMR.	05
Q.4	(a) Describe the regulation and actions of anterior pituitary hormones.	06
	(b) Write physiology of thyroid hormone.	05
	(c) Write physiological actions of glucocorticosteroids.	05
Q.5	(a) Describe various phases of menstrual cycle.	06
	(b) Describe functions of testes in detail.	05
	(c) Write functions of human liver.	05
Q. 6	(a) Write a note on protein synthesis.	06
	(b) Draw labeled diagram of male reproductive system.	05
	(c) Describe the basis of autosomal inheritance.	05
Q.7	(a) Discuss about the physiology of urine formation.	06
	(b) Discuss the process of nerve action potential generation.	05
	(c) Draw a neat and labeled diagram of nephron. Write functions of kidney.	05
