

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.

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
