

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

Subject Code: BP201TP

Date: 27-05-2019

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) Explain digestion of carbohydrates and proteins in the different parts of digestive system.	06
	(b) Write a note on myelination of neuron.	05
	(c) Describe in detail functions, formation and circulation of cerebrospinal fluid.	05
Q.2	(a) Describe in detail physiology of urine formation.	06
	(b) Write a note on physiology of menstruation.	05
	(c) What are effects of glucocorticoids?	05
Q.3	(a) Which are respiratory centers and write a note on respiratory regulation.	06
	(b) Describe in detail different phases of Digestion.	05
	(c) Which hormones are secreted from different types of pancreatic islet cells? Write their main actions.	05
Q.4	(a) Explain formation, storage and release of thyroid hormones.	06
	(b) Write a note on resuscitation methods.	05
	(c) Describe anatomy and physiology of cerebellum.	05
Q.5	(a) Draw a labelled diagram of kidney and nephron.	06
	(b) Describe anatomy and physiology of hypothalamus	05
	(c) Write a short note on synapse.	05
Q. 6	(a) Differentiate between followings: 1) Graded potential and Action potential 2) EPSP and IPSP	06
	(b) Write a note on Reflex arc.	05
	(c) Describe Renin Angiotensin System.	05
Q.7	(a) Describe following Diseases/disorders : Renal calculi, Gynecomastia, Impotence	06
	(b) Draw a labelled diagram of Male reproductive system.	05
	(c) Describe protein synthesis.	05
