Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY B.Ph. - SEMESTER- II • EXAMINATION – SUMMER -2022

Subject Code:BP201TP Date: 01/09/2022

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Sub	ject	Name:	HUMAN	ANATOMY	AND	PHYSIOLOGY II	

Time: 10:30am to 01:30pm 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) (b) (c)	Draw a labeled diagram of brain. Give the functions of hypothalamus. Explain role of pancreatic hormones. What is reflex action and explains its types.					
Q.2	(a) (b) (c)	Write about the Lung volumes. Write a note on electroencephalogram. Write short note on Spermatogenesis.					
Q.3	(a) (b) (c)	Explain structure and function of kidney. Discuss generation and propagation of action potential of neuron with diagram. Discuss physiological role of posterior pituitary hormones.					
Q.4	(a) (b) (c)	Explain the following terms: 1) Acromegaly 2) COPD 3) Renal calculi 4) CSF 5) Diabetes mellitus Write a note on Acid base imbalance. Explain structure of DNA.	06 05 05				
Q.5	(a) (b) (c)	Discuss mechanism and regulations of respiration. Draw neat labeled diagram of female reproductive system. Explain role of RAS in kidney.					
Q. 6	(a) (b) (c)	Describe the functions of the adrenal gland hormones. What is menstruation? Write in detail about various phases of menstrual cycle. Discuss the synthesis, control and release of thyroid hormones					
Q.7	(a) (b) (c)	Write the digestion of food in GIT. Discuss various phases of gastric acid secretion. Draw labeled diagram of digestive system.					
