

GUJARAT TECHNOLOGICAL UNIVERSITY
PHARM.D YEAR-1 EXAMINATION – WINTER - 2025

Subject Code: 818801**Date: 14-11-2025****Subject Name: Human Anatomy and Physiology****Time: 02 : 30 PM TO 05 : 30 PM****Total Marks: 70****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1	(a)	How are thyroid hormones formed, stored, and released?	06
	(b)	Classify joints and explain movements of joints.	04
	(c)	Describe the anatomy of lungs and physiology of respiration.	04
Q.2	(a)	Explain Cardiac Cycle in detail.	06
	(b)	Detail extensively the physiology of Urine formation.	04
	(c)	Define: 1) Midsagittal Plane 2) Pleural Cavities 3) Ipsilateral 4) Prone Position	04
Q.3	(a)	Elaborate fully Phases of the Female Reproductive Cycle	06
	(b)	Describe in detail the structure of a Cell.	04
	(c)	Write the composition and functions of lymph.	04
Q.4	(a)	Enlist different parts of the brain. Write a note on cerebrum	06
	(b)	Define tissues and classify the tissues.	04
	(c)	What are clotting factors and its mechanism?	04
Q.5	(a)	Write a note on Spermatogenesis.	06
	(b)	Discuss about any three disorders involved in gastrointestinal tract.	04
	(c)	Draw a neat labeled diagram of eye.	04
Q.6	(a)	Provide an overview of electrocardiogram.	06
	(b)	Give a description on Physiology of muscle contraction.	04
	(c)	List out the cranial nerves and its functions.	04
Q.7	(a)	Explain the structure and function of skin.	06
	(b)	Elucidate briefly about drugs and athletics.	04
	(c)	Summarize functions and compositions of Skeleton.	04
