

QP CODE: 101326

Reg. No:

**First Year Pharm D Degree Supplementary Examinations
February 2026**

Human Anatomy and Physiology

Time: 3 Hours

Total Marks: 70

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(3x10=30)

1. Mention coagulation factors and write the mechanism of blood coagulation.
2. Explain the steps involved in the process of spermatogenesis and oogenesis.
3. Draw a neat diagram of Gastro Intestinal Tract. Explain how fats are digested and absorbed.

Short notes:

(8x5=40)

4. Describe the anatomy and functions of spleen.
5. Explain the normal ECG with labeled diagram.
6. Explain the lung volumes and capacities.
7. Name salivary glands and discuss the composition and functions of saliva.
8. Write the composition and functions of cerebrospinal fluid (CSF).
9. Write a note on Renin-Angiotensin-aldosterone system.
10. Mention the hormones of anterior pituitary and explain their functions.
11. Draw a neat labeled diagram of ear. What is the non-hearing function of ear.
