

QP CODE: 101326

Reg. No:

**First Year Pharm D Degree Regular/Supplementary Examinations
October 2023**

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. Define sympathetic and parasympathetic system and discuss their anatomical and physiological differences.
2. What is ECG. How do you obtain it. With a neat diagram explain different waves of ECG.
3. Describe the gross anatomy of eye and discuss the mechanism of visual sensation.

Short notes:

(8x5=40)

4. Explain the differences among skeletal, smooth and cardiac muscles.
5. Write the composition and functions of bone.
6. Describe the ABO system of blood grouping.
7. Write a note on lymph and its functions.
8. Explain renin-angiotensin-aldosterone system.
9. Discuss the mechanism of respiration.
10. Explain how digestion takes place in stomach.
11. Explain male accessory sex glands and give their functions.
