

QP CODE: 101326

Reg. No: .....

**First Year Pharm D Degree Regular/Supplementary Examinations  
January 2022**

**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. Explain the anatomy of stomach and small intestine. Add a note on digestive enzymes secreted by the organs of GIT.
2. Define blood pressure. Explain its maintenance and regulation.
3. Draw a neat labelled diagram of nephron and explain its parts. Explain in detail about mechanism of urine formation.

**Short notes:**

**(8x5=40)**

4. Functions of adrenal hormones.
5. Define platelets and explain the disorders of coagulation.
6. Explain the structure and functions of spleen and mention its disorders.
7. Transport of respiratory gases.
8. Clearance tests and micturition.
9. Muscles in exercise.
10. Mention different clotting factors and their mechanism.
11. Define the following:
  - Hypertension    • Hypoxia    • Congestive heart failure
  - Asphyxia        • cardiac output

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