

QP CODE: 101326

Reg. No: .....

**First Year Pharm D Degree Supplementary Examinations  
August 2021**

**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. Draw a neat diagram of brain and discuss about the functional areas of cerebrum.
2. Describe the anatomy of upper respiratory tract and mechanism of respiration.
3. Explain the various processes in spermatogenesis; write short notes on the structure of a mature sperm.

**Short notes:**

**(8x5=40)**

4. Explain the various types of clotting factors
5. Structure and functions of pancreas
6. Classify tissues with suitable examples.
7. Draw the histological structure of squamous epithelium
8. Synovial joint
9. Phases of gastric juice secretion
10. Explain the lifecycle of RBCs
11. Contraceptive devices

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