

**QP CODE: 101326**

**Reg. No: .....**

**First Year Pharm D Degree Supplementary Examinations March 2025**

**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 labelled diagram of brain. Discuss in detail the physiology of functional areas of cerebral cortex
2. Describe the structure of adrenal gland. Explain the physiological role of adrenal cortical hormones.
3. Describe the structure and functions of male reproductive organs.

**Short notes:**

**(8x5=40)**

4. Explain the structure and function of cell membrane.
5. Give brief outline of distribution and functions of lymphatic system.
6. Write the mechanism of blood coagulation.
7. Describe the physiology of hearing.
8. Name the salivary glands. Write the composition and functions of saliva.
9. Draw a neat labelled diagram of typical synovial joint and explain it.
10. Discuss the regulation of acid base balance.
11. Describe the hormonal regulation of blood pressure.

\*\*\*\*\*