

# 2012 Scheme

QP CODE: 114006

Reg. No: .....

## First Year B. Pharm Degree Supplementary Examinations January 2024 Human Anatomy and Physiology

Time: 3 Hours

Total Marks: 100

- 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

### Essay

(3x10=30)

1. What are the functions of Follicle Stimulating Hormone (FSH) and Luteinizing Hormone (LH) in females. Discuss the physiology of menstrual cycle. (3+7)
2. Define epithelial tissue. Give any two characteristics of epithelial tissue. Discuss in detail about different types of epithelial tissue. (1+2+7)
3. Discuss the anatomy of cerebrum with a neat labelled diagram. Describe the sensory and motor functions of cerebrum.

### Short notes

(14x5=70)

4. Discuss the anatomy of the femur.
5. Write a short note on the hormones released by islets of Langerhans.
6. Define parturition, fertilization, spermatogenesis and oogenesis.
7. Write a short note on cardiac cycle.
8. Mention the bones of skull.
9. Explain the importance of neurotransmitters in signal transduction.
10. What are the functions of sympathetic nervous system.
11. Draw a neat labelled diagram of a nephron.
12. List out the functions of the skin.
13. Define anaemia, leukemia, polycythemia, and thrombocytopenia.
14. Draw a neat labelled diagram of the ear.
15. Write a short note on hormones of the parathyroid gland.
16. Define deglutition, mastication, bolus and peristalsis.
17. Write a brief note on blood transfusion.

\*\*\*\*\*