

QP Code: 121006

Reg. No.....

**First Semester B. Pharm Degree Regular/Supplementary
Examinations March 2026
Human Anatomy and Physiology I
(2017 and 2024 Scheme)**

Time: 3 Hours

Max. Marks: 75

- *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

(2x10=20)

1. Explain anatomy of heart with the neat sectional diagram. Add a note on cardiac cycle
2. Discuss the internal structure of ear with a labelled diagram and explain the physiology of hearing

Short Notes

(7x5=35)

3. Explain types of Muscular tissue
4. Discuss the process of blood clot formation
5. Neat labelled diagram of femur bone with its function
6. Functions of sympathetic nervous system
7. Types of joints
8. What are cranial nerves and give its functions
9. Formation, circulation and composition of lymph

Answer Briefly

(10x2=20)

10. Blood pressure regulation by hormones
11. Congenital heart defects
12. Function of spinal cord and spinal nerves
13. Various layers of epidermis
14. Types of extracellular body fluids
15. Leukemia
16. Functions of mitochondria
17. Cell signalling
18. Neuromuscular junction
19. Normal curves of vertebral column
