

QP Code: 121006

Reg. No.....

**First Semester B. Pharm Degree Supplementary Examinations
August 2025**

**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 the structure and functions of Skin
2. Draw a labelled diagram of ear and explain its function

Short Notes

(7x5=35)

3. Describe the cardiac conducting system
4. Explain physiology of olfaction and the olfactory pathway
5. Describe the structure of bone
6. Forms of intra-cellular signaling
7. Structure and functions of epithelial tissue
8. Explain the structure and functions of lymph node
9. Structure and functions of sympathetic nervous system

Answer Briefly

(10x2=20)

10. Anemia
11. Synovial fluid
12. Active transport in cell membrane
13. Rh factor
14. List out cranial nerves
15. Ball and socket joint
16. Muscle tissue
17. Facial bones
18. Functions of the skull
19. Haemophilia
