

QP Code: 121006

Reg. No.....

**First Semester B. Pharm Degree Supplementary Examinations
March 2023**

**Human Anatomy and Physiology
(2017 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. Draw neat labeled diagram of cell. Explain the structure and functions of principal organelles.
2. Discuss the structure and functions of sympathetic and parasympathetic nervous system.

Short Notes

(7x5=35)

3. Explain ABO system of blood grouping.
4. Discuss the physiology of vision.
5. Explain the composition and functions of lymph.
6. Draw neat labeled diagram of heart and its functions.
7. Explain the physiology of skin.
8. Discuss intracellular signaling pathways.
9. Describe the structure of synovial joints.

Answer Briefly

(10x2=20)

10. Functions of RBC.
11. Define cardiac arrhythmia and Angina pectoris.
12. Draw neat labeled diagram of neuron.
13. Electrocardiogram.
14. Reticulo endothelial system
15. Explain Rh factor and why is it important.
16. Mention the parts of eye.
17. Name the bones of cranium
18. What are neurotransmitters.
19. Normal value of • BP • Hb% • Clotting time • WBC
