

QP Code: 221006

Reg. No.....

**Second Semester B. Pharm Degree Supplementary Examinations
April 2024**

**Human Anatomy and Physiology II
(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*

Essays

(2x10=20)

1. Draw a neat labelled diagram of a neuron and explain its structure. Classify neuroglial cells of the nervous system and give any one function of each neuroglial cell.
2. Describe the external and internal anatomy of the thyroid gland. What are the functions of thyroid gland

Short Notes

(7x5=35)

3. Explain the endocrine functions of pancreas
4. What is reflex activity. Explain the components of a simple reflex arc.
5. Explain the process of mechanical and chemical digestion in stomach.
6. Explain the regulation of respiration.
7. Draw a neat labelled diagram of a nephron.
8. What are the functions of oxytocin, ADH and parathyroid hormone.
9. Write a short note on oogenesis.

Answer Briefly

(10x2=20)

10. Define action potential.
11. What is the role of salivary amylase.
12. What are the three layers of spinal meninges.
13. Name the four layers of the wall of gastrointestinal tract.
14. List out the major role of ATP.
15. Define tidal volume.
16. What is juxtaglomerular apparatus.
17. Write any one function of ureters and urinary bladder.
18. What is Turner's syndrome.
19. Define fertilization.
