

QP Code: 221006

Reg. No.....

**Second Semester B.Pharm Degree Supplementary Examinations  
January 2019**

**Human Anatomy and Physiology II  
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- Answer all questions
- Draw diagrams wherever necessary

**Essays**

**(2x10=20)**

1. Explain the anatomy and functions of kidney and nephron with a neat labeled diagram
2. Describe the synthesis, storage, release and functions of thyroid hormones

**Short Notes**

**(7x5=35)**

3. Role of kidney in acid-base balance
4. Artificial respiration
5. Oogenesis
6. Anatomy of lungs
7. Anatomy and physiology of stomach
8. Define and classify the neurons
9. Brain stem

**Answer Briefly**

**(10x2=20)**

10. Define neurotransmitters with examples
11. Define peptic ulcer and diabetes mellitus
12. The role of ATP and creatinine phosphate
13. Sex hormones
14. DNA
15. Explain about thyrotoxicosis
16. Pancreatic hormones
17. The functions of salivary glands
18. Chromosomes
19. Define and mention the symptoms of renal failure

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