

**QP Code: 221006**

**Reg. No.....**

**Second Semester B.Pharm Degree Examinations July 2018**

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

**Time: 3 Hours**

**Max. Marks: 75**

- **Answer all questions**
- **Draw diagrams wherever necessary**

**Essays**

**(2x10=20)**

1. Draw a neat labelled diagram of nephron and explain the role of RAS in kidneys
2. Explain the transport of gases and artificial respiration

**Short Notes**

**(7x5=35)**

3. Structure and functions of small intestine
4. Functional relation of hypothalamus and pituitary gland
5. Chromosomes and DNA
6. Micturition reflex
7. Formation and role of ATP & creatinine phosphate
8. Physiology of menstruation
9. Structure and functions of spinal cord

**Answer Briefly**

**(10x2=20)**

10. Functions of liver
11. Composition and functions of semen
12. Parathyroid hormones
13. Regulation of acid production
14. Action potential
15. Functions of cerebellum
16. Functions of afferent and efferent nerve tracts
17. Hypothyroidism and its symptoms
18. List the adrenal gland hormones and their functions
19. Formation and role of CSF

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