

# Rajiv Gandhi University of Health Sciences, Karnataka

## Second Semester B.Pharm Degree Examination – MAY-2019

Time: Three Hours

Max. Marks: 75 Marks

### Human Anatomy and Physiology-II

#### Q.P. CODE: 5005

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

#### LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Explain the structure and functions of kidney, role of rennin angiotensin system in kidneys
2. Explain the biosynthesis and functions of thyroid hormones.
3. Draw a neat labelled diagram of brain. Explain the functions of hypothalamus and medulla oblongata.

#### SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Explain Oogenesis.
5. Explain the physiology of urine formation.
6. Write the physiology of menstrual cycle.
7. Explain the phases of gastric acid secretion.
8. Describe the functions of liver.
9. Explain exocrine and endocrine pancreas and their functions.
10. Explain Regulation of respiration.
11. Name the hormones from the ovary and write its functions.
12. Explain genetic pattern of inheritance.

#### SHORT ANSWERS (Answer All)

10 x 2 = 20 Marks

13. Write the functions of thymus gland.
14. Define i) electrophysiology ii) fertilization
15. Define anorexia and peptic ulcer.
16. Draw a neat labelled diagram of neuron and label it.
17. Mention different lung volumes.
18. Write the functions of small intestine.
19. Write on Meninges.
20. List out the organs of female reproductive system.
21. Write the functions of pineal gland.
22. Differentiate between diabetes insipidus and diabetes mellitus.

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