

# Rajiv Gandhi University of Health Sciences, Karnataka

Second Semester B.Pharm Degree Examination – 30-May-2023

Time: Three Hours

Max. Marks: 75

## Human Anatomy and Physiology-II

**Q.P. CODE: 5005**

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

All the questions are compulsory

### LONG ESSAYS

**2 x 10 = 20 Marks**

1. Write the anatomical structure and functions of lungs.  
**OR**  
Explain the anatomical features of sympathetic and parasympathetic nervous system.
2. Write the hormones secreted by thyroid gland and adrenal gland and explain their functions.

### SHORT ESSAYS

**7 x 5 = 35 Marks**

3. Write the gross structure of spinal cord and explain the functions of afferent and efferent nerve tracts.  
**OR**  
Explain endocrine secretions of pancreas and their functions.
4. Explain the digestion of carbohydrate, protein and fats in stomach and small intestine.  
**OR**  
Write the structure and functions of liver.
5. Write a note on regulation of respiration.
6. Explain the role of renin angiotensin system in kidney.
7. Explain genetic pattern of inheritance.
8. List out the organs of female reproductive system and write the structure of uterus.
9. What is parturition? Explain the stages of parturition.

### SHORT ANSWERS

**10 x 2 = 20 Marks**

10. Define action potential and synapse.
11. Define anorexia and pancreatitis.
12. Define fatty liver and insulin resistance.
13. Write the functions of salivary glands.
14. Define dwarfism and gigantism.
15. Write a note on artificial respiration.
16. Write functions of hypothalamus.
17. Draw a neat labelled diagram of reflex arc.
18. Name the ducts of the male reproductive system from proximal to distal end.
19. List out the hormones of male and female reproductive system.

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