

# Rajiv Gandhi University of Health Sciences, Karnataka

Second Semester B.Pharm Degree Examination – 16-Mar-2021

**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

All the questions are compulsory

### **LONG ESSAYS**

**2 x 10 = 20 Marks**

1. Explain the anatomy of brain with neat labelled diagram and write the functions of cerebrum and cerebellum.  
**OR**  
Explain the structure and functions of adrenal gland
2. Name the various organs of respiratory system and write the mechanism of respiration.

### **SHORT ESSAYS**

**7 x 5 = 35 Marks**

3. Explain the structure and functions of meninges  
**OR**  
Explain various lung volume and lung capacities
4. Write the physiology of urine formation  
**OR**  
Explain spermatogenesis
5. Explain the mechanism of hormone action.
6. Add a note on ABO system of blood group.
7. Explain menstrual cycle.
8. Explain the anatomy and physiology of male reproductive system.
9. Explain the structure and functions of thyroid gland.

### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

10. Give the differences between afferent and efferent nerves.
11. Give the functions of ventricles of brain.
12. Name the organs of digestive system.
13. Define nerve impulse.
14. Mention the hormone secretion of pancreas.
15. Define anorexia.
16. Write the functions of kidney.
17. Give the functions of trachea.
18. What is exocrine and endocrine glands?
19. Define i) Fertilization ii) Electrophysiology

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