

# Rajiv Gandhi University of Health Sciences, Karnataka

Second Semester B.Pharm Degree Examination – 02-Dec-2020

**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. Draw a neat labeled diagram of Brain? Write the functions of cerebrum and cerebellum?
2. a. Explain the hormones of posterior pituitary gland?  
b. What is Insulin and explain its role in the regulation of blood sugar level?
3. With a neat labeled diagram explain the anatomy of Lungs and explain the mechanism of respiration.

### **SHORT ESSAYS (Answer any Seven)**

**7 x 5 = 35 Marks**

4. List out the organs of Female reproductive system and explain Oogenesis.
5. Explain different lung volume and capacities.
6. Explain the physiology of Urine formation.
7. Describe the anatomy and functions of spinal cord.
8. Explain the events of Menstrual cycle.
9. Explain the functions of adrenal cortex hormones.
10. Explain the role of Renin angiotensin system in kidney.
11. Mention the salivary glands. Write the composition and functions of saliva.
12. Classify and write the properties of nerve fibre.

### **SHORT ANSWERS (Answer All)**

**10 x 2 = 20 Marks**

13. Write the functions of CSF.
14. Define pheochromocytoma and Diabetes insipidus.
15. Write the divisions of Nervous system.
16. Define constipation and Diarrhea.
17. Mention the different methods of artificial respiration.
18. List out the organs involved in urinary system.
19. Write the functions of Thymus gland.
20. Write the functions of stomach.
21. Write the structure and functions and sperm.
22. Write functions of mouth.

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