

# Rajiv Gandhi University of Health Sciences, Karnataka

Second Semester B.Pharm Degree Examination – 14-Jun-2022

**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. Draw a neat labeled diagram of brain and write the functions of cerebrum and cerebellum.

**OR**

With a neat labelled diagram explain the anatomy and physiology of lungs.

2. a. Explain the hormones of posterior pituitary gland.  
b. What is insulin? Explain its role in the regulation of blood sugar level.

### **SHORT ESSAYS**

**7 x 5 = 35 Marks**

3. Mention the functions of thalamus and hypothalamus.

**OR**

Write the anatomy and physiology of liver.

4. Write the physiology of urine formation.

**OR**

Explain the regulation of respiration.

5. Explain the functions of adrenal cortex hormones.

6. Write the physiology of menstrual cycle.

7. Explain spermatogenesis.

8. Explain Movements of small intestine.

9. What is parturition? Explain the stages of parturition.

### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

10. Mention types of reflexes.

11. Write the functions of saliva.

12. Define Tidal volume and Vital capacity.

13. Write the functions of thymus gland.

14. Write the functions of gastric juice.

15. Write the functions of cerebrospinal fluid.

16. Define infertility, Poly cystic ovarian disease.

17. Define phaeochromocytoma, diabetes insipidus.

18. Mention the functions of ovaries.

19. Write the divisions of nervous system.

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