

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Pharm Degree Examination – 18-Jun-2022**

**Time: Three Hours**

**Max. Marks: 70 Marks**

## **HUMAN ANATOMY AND PHYSIOLOGY (REVISED SCHEME 3)**

**Q.P. CODE: 2601**

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 internal structure of heart and explain the events of cardiac cycle.
2. Give an account on exchange of respiratory gases during internal and external respiration.
3. Draw a neat labeled diagram of nephron. Discuss the steps involved in formation of urine.

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

**6 x 5 = 30 Marks**

4. What are the functions of cerebellum and medulla oblongata?
5. Explain ABO system of blood grouping.
6. Explain synthesis and functions of thyroid hormones.
7. Write a note on Renin angiotensin aldosterone system.
8. Discuss the phases of menstrual cycle.
9. Name cranial nerves and write their functions.
10. Write a note on contraceptive methods.
11. Digestion of proteins in GIT.

### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. Composition of cerebro-spinal fluid.
13. Functions of spleen.
14. Types of WBC.
15. Functions of uterus.
16. Types of anaemia.
17. What is ECG? Mention its significance.
18. What is Tidal volume? Mention its normal value.
19. Define Goiter and Myxoedema.
20. Name the parts of ear.
21. Enlist the bones of skull.

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