

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year B.Pharm Degree Examination – 10-Nov-2021

**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. What is cardiac cycle? Describe various events of cardiac cycle.
2. Explain different functions of cerebrum and cerebellum.
3. Draw a neat labeled diagram of eye and explain the physiology of vision.

**SHORT ESSAYS (Answer any Six)****6 x 5 = 30 Marks**

4. Explain ABO system of blood grouping.
5. Describe different types of epithelial tissues.
6. Classify joints with examples.
7. Write the structure and functions of spleen.
8. Briefly explain the mechanism of respiration.
9. Mention the hormones of anterior pituitary gland and explain their functions.
10. Describe briefly the physiology of muscle contraction.
11. Discuss the structure and functions of the skin.

**SHORT ANSWERS****10 x 2 = 20 Marks**

12. Explain the functions of plasma membrane.
13. Define homeostasis.
14. Name the bones of cranium.
15. Write four functions of liver.
16. Write the effect of exercise on CVS.
17. List the surgical methods of family planning.
18. Name four Cranial nerves.
19. Define hypertension and Atherosclerosis.
20. Name the different salivary glands. Give the composition of saliva.
21. Define tidal volume. Give its normal value.

\*\*\*\*\*