

# Rajiv Gandhi University of Health Sciences, Karnataka

First Semester B. Pharm Degree Examination – 01-Dec-2020

Time: Three Hours

Max. Marks: 75 Marks

## HUMAN ANATOMY AND PHYSIOLOGY - I

Q.P. CODE: 5001

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. Explain the structure of Eye and physiology of vision.
2. Explain the internal Anatomy of heart with a neat labelled diagram and explain pulmonary circulation.
3. Describe the composition and functions of blood.

### SHORT ESSAYS (Answer any Seven)

**7 x 5 = 35 Marks**

4. Explain the divisions and functions of ANS.
5. Classify skeletal system and write bones of skull.
6. Explain the structure and functions of skin.
7. Classify WBC and mention the functions.
8. Explain the structure and functions of spleen.
9. Explain with a neat labelled diagram conducting system of heart.
10. Explain the factors which regulate blood pressure.
11. Explain the structure of muscular tissues with one example.
12. Explain blood grouping? Write its significance in blood transfusion.

### SHORT ANSWERS

**10 x 2 = 20 Marks**

13. Write the difference between smooth muscle and cardiac muscle.
14. Mention the bones of the lower limb.
15. Define anemia and leukemia.
16. Define active and passive transport.
17. What is synaptic cleft? State its function.
18. Define myocardial infarction and hypertension.
19. Name different cell junctions.
20. Write about rods and cones.
21. Mention the differences between artery and vein.
22. Define Rickets and Gout.

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