

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester B. Pharm Degree Examination – 18-Jun-2022

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
All the questions are compulsory

LONG ESSAYS

2 x 10 = 20 Marks

1. Classify tissue with examples and write the structure, locations and functions of epithelial and connective tissue.

OR

Explain the internal structure of the heart with a neat labelled diagram.

2. Mention the clotting factors and write the mechanism of clotting of blood.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Draw a neat labelled diagram of cell and mention one function of each organelle.

OR

What is joint? Classify joints with examples.

4. Explain the structure and functions of skin.

OR

Classify leucocytes with examples and mention normal values and functions.

5. Explain the lymphatic circulation and functions of lymphatic system.
6. Draw a neat labelled diagram of ECG and write the significance.
7. What is erythropoiesis and explain the stages involved in it.
8. Explain the structure of muscular tissues with one example.
9. Write a brief note on ABO blood grouping? Write its significance in blood transfusion.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Write the composition of blood.
11. Mention the bones of the cranium.
12. Define anaemia and list its types.
13. Define phagocytosis and pinocytosis.
14. What is synaptic cleft? **State** its function.
15. Define hypertension and Angina pectoris.
16. Classify nerve fibre.
17. Write about rods and cones.
18. Mention the difference between bone and cartilage.
19. Define i) cardiac output ii) receptors
