

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester B. Pharm Degree Examination – 29-May-2023

Time: Three Hours

Max. Marks: 75

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. Mention coagulation factors and write the mechanism of blood coagulation.

OR

Explain the structure of ear and physiology of hearing.

2. Explain the cardiac cycle in detail.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Explain about cell division.

OR

Mention the bones of skull with sutures.

4. What is ECG? Briefly explain each component of ECG.

OR

Write a brief note on ABO system of blood grouping.

5. Explain the structure and functions of lymph nodes.

6. Explain the structures of connective tissues with one example each.

7. Write the functions of RBC and factors affecting the synthesis of haemoglobin.

8. Classify peripheral nervous system and explain about autonomic and somatic nervous system.

9. Write the structure and function of spleen.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Define active and passive transport.

11. Mention the bones of the rib cage.

12. Functions of cell membrane.

13. What is Rh factor? Write its role.

14. List out the cranial nerves and their functions.

15. Define stroke volume and cardiac output.

16. Mention the functions of lymph.

17. Write auditory and non-auditory functions of ear.

18. Write difference between cartilage and bone.

19. **Why lysosomes are called suicidal bags of cell?**
