

Rajiv Gandhi University of Health Sciences, Karnataka

First Semester B. Pharm Degree Examination – 13/Oct/2025

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. With help of neat labelled diagram of eye explain the mechanism involved in vision
OR
Define erythropoiesis. Explain various stages involved in erythropoiesis
2. What is cardiac cycle? Explain in detail the various events involved in cardiac cycle

SHORT ESSAYS

7 x 5 = 35 Marks

3. Classify tissues with examples
OR
What is synovial joint? Explain its types with example
4. Define cartilage. Mention its types, give the description and functions of each one of them
OR
What is Reflex arc? Explain its working
5. Explain the functions of skin with a neat labeled diagram
6. Write the differences between sympathetic and parasympathetic nervous system
7. Write the origin and functions of spinal and cranial nerves
8. Classify appendicular bones with examples
9. Explain the physiology of hearing and write the name of smallest bones in our body

SHORT ANSWERS

10 x 2 = 20 Marks

10. Write the functions of cell
11. Classify joints
12. Mention two disorders of the heart
13. What are lysosomes? Give its function
14. Write the composition of blood
15. What is synaptic cleft? State its functions
16. Write the structure and functions of plasma membrane
17. Write conduction system of the heart
18. Write the functions of rods and cones
19. Name the facial bones
