

# Rajiv Gandhi University of Health Sciences, Karnataka

First Semester B. Pharm Degree Examination – 22-Oct-2024

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. Describe the mechanism of coagulation and enlist the clotting factors.

**OR**

Describe organization and functions of autonomic nervous system.

2. Explain systemic and pulmonary blood circulation.

### SHORT ESSAYS

**7 x 5 = 35 Marks**

3. Explain the structures of muscular tissues with one example each.

**OR**

Classify appendicular skeletal system with examples.

4. Explain the structure and functions of blood vessels.

**OR**

Write about granulocytes and agranulocytes.

5. Explain the formation and functions of lymph.

6. Write the characteristics of epithelial and connective tissues.

7. Write the intrinsic and extrinsic pathway of coagulation.

Or

Write the functions of skin with neat labeled diagram

8. Discuss the internal structure of spinal cord.

9. Describe the constituents of plasma and their functions.

### SHORT ANSWERS

**10 x 2 = 20 Marks**

10. Write about negative and positive feedback mechanisms.
11. Mention the bones of axial skeleton.
12. Define sagittal and frontal plane.
13. What is megaloblastic anaemia? Mention its causes.
14. What are olfactory receptors?
15. Define cardiac arrhythmias and congestive cardiac failure.
16. Write the normal values of haemoglobin and platelets.
17. Write about organ of corti.
18. Write the histology of bone tissue.
19. What is myasthenia gravis?

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