

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year B. Pharm Degree Examination – 15-Nov-2022

**Time: Three Hours****Max. Marks: 70****HUMAN ANATOMY AND PHYSIOLOGY (RS - 4)****Q.P. CODE: 2625**

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. Define and classify tissues and explain about location and functions of different types of epithelial tissues
2. With neat labelled diagram, explain the anatomy of heart
3. Draw a neat labelled diagram of brain and explain in detail the functional areas of cerebral cortex

**SHORT ESSAYS (Answer any Six)****6 x 5 = 30 Marks**

4. Functions of leukocytes
5. Explain nucleus with diagram
6. Explain the structure and functions of lymph node
7. Define and classify anaemia and explain about hereditary anaemia
8. Describe human ECG in detail with clinical significance of each peak
9. Explain exchange of oxygen and carbon dioxide in external respiration
10. Explain the structure and functions of salivary glands
11. Physiology of vision

**SHORT ANSWERS****10 x 2 = 20 Marks**

12. Define and classify nervous system
13. Thrombocytopenia and hemophilia
14. Myocardial infarction and atherosclerosis
15. What is Tidal volume?
16. Peptic ulcer and constipation
17. Name spinal nerves
18. Renal calculi and cystitis
19. Define Benign and malignant tumor
20. Differentiate between diabetes mellitus and insipidus
21. Pheochromocytoma and hyperthyroidism

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