

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B. Pharm Degree Examination – 10-Nov-2021

Time: Three Hours**Max. Marks: 70 Marks****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. Explain the mechanism of ABO system of blood grouping. Add a note on significance of Rh factor
2. Describe cardiac cycle with neat labelled diagram
3. Explain the hormones of adenohypophysis. Add a note on negative and positive feedback mechanism of any one hormone

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

4. Differentiate sympathetic and para sympathetic nervous system
5. Classify joints and explain about synovial joint
6. Structure and functions of thymus gland
7. Transport of respiratory gases
8. Structure and functions of liver
9. Physiology of muscle contraction
10. Structure and functions of nephron
11. Explain breast with neat labelled diagram

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

12. Mitochondria
13. Leukemia and leucocytosis
14. Hypertension and hypotension
15. Osteoporosis and arthritis
16. Tuberculosis and pneumonia
17. Anorexia and GERD
18. Name cranial nerves in sequence
19. Infertility and PCOD
20. Glaucoma and Cataract
21. Muscular dystrophy and myasthenia gravis
