

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Pharm Degree Examination – 04-Jan-2020

Time: Three Hours**Max. Marks: 70 Marks**

HUMAN ANATOMY & PHYSIOLOGY (Revised Scheme 3)

Q.P. CODE: 2601

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. Draw a neat, labeled diagram of internal structure of heart. Explain the various events of cardiac cycle.
2. Classify nervous system. Explain anatomy and functions of sympathetic and parasympathetic nervous system.
3. Explain the exchanges of respiratory gases during internal and external respiration.

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

4. Explain the mechanism of blood coagulation.
5. Describe the renin angiotensin aldosterone system.
6. Write the functions of liver.
7. Write a note on synthesis and functions of thyroid hormones.
8. Classify joints with examples.
9. Write a note on endocrine secretions of pancreas.
10. Explain the digestion and absorption of carbohydrates in small intestine.
11. Write a note on different contraceptive methods in females.

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

12. Give normal value for vital capacity and tidal volume.
13. What is rheumatoid arthritis?
14. List four functions of plasma membrane.
15. What are the functions of lymph nodes?
16. Define peptic ulcer.
17. Functions of kidney.
18. What is myasthenia gravis?
19. Define cardiac arrhythmia and angina pectoris.
20. Write the composition of blood.
21. Describe the effect of exercise on CVS.
