

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Pharm Degree Examination – 28.05.2024

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

HUMAN ANATOMY AND PHYSIOLOGY (RS-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. Classify autonomous nervous system. Describe the physiology of each ANS division.
2. Explain the structure of eye ball and physiology of vision.
3. Describe the digestion and absorption of carbohydrates, proteins and fats.

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

4. Explain phases of menstrual cycle
5. Discuss the functions of insulin and glucagon.
6. Explain the anatomy and functions of spleen.
7. Explain spermatogenesis.
8. Mention the functions of liver.
9. What are differences between sympathetic and parasympathetic nervous system?
10. Draw a neat labelled diagram of nephron and explain the functions of kidney.
11. Define blood pressure. Explain hormonal regulation of BP

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

12. Mitochondria and nucleus.
13. Bones of face.
14. Normal values of RBCs and WBCs.
15. Difference between skeletal and smooth muscles.
16. Cardiac arrhythmia and atherosclerosis.
17. Functions of sex hormones.
18. Classify epithelial tissue with examples.
19. Define vital capacity and tidal volume.
20. Cerebrospinal fluid.
21. Leucocytes functions.
