

Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Examination – 15-Nov-2022

Time: Three Hours

Max. Marks: 70 Marks

HUMAN ANATOMY & PHYSIOLOGY

(OR, RS & RS2)

Q.P. CODE: 2851

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 nephron and describe how urine is formed?
2. Give an account of transport of oxygen and carbon dioxide in the blood.
3. Explain the steps involved in the process of spermatogenesis and oogenesis.

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Classify temporary methods of contraception for females.
5. Describe the anatomical location, histology and physiological role of the pancreas
6. What are functions of kidney?
7. Write the effects of parasympathetic stimulation.
8. Describe the constituents of plasma and their functions
9. Discuss the factors regulating blood pressure.
10. Draw a neat labeled diagram of ear. What is the non-hearing function of ear.
11. Write the functions of hormones of neurohypophysis

SHORT ANSWERS

10 x 2 = 20 Marks

12. Write the functions of plasma membrane.
13. Classify connective tissue with examples
14. Name synovial joints
15. Write the normal values and life span of the following:
` (a)Hb; (b) WBC; (c) RBC; and (d) platelets
16. What are lymph nodes? Mention their functions.
17. Define Atherosclerosis and Congestive cardiac failure.
18. Name digestive enzymes.
19. Enumerate the functions of hypothalamus.
20. Define Thyrotoxicosis and Cretinism.
21. Write symptoms of Addison's disease.
