

Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Examination – 22-Oct-2024

Time: Three Hours

Max. Marks: 70 Marks

HUMAN ANATOMY & PHYSIOLOGY (OS, 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. Write the hormones secreted by Pituitary gland and mention their functions
2. Draw a neat labeled diagram of Nephron. Describe the mechanism of urine formation
3. Draw a neat labeled diagram of ear. Explain the physiology of hearing

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Explain the normal ECG with labeled diagram and its significance
5. Describe the ABO system of blood grouping
6. Explain the differences among skeletal, smooth and cardiac muscles
7. Explain how digestion of carbohydrates, proteins and fats takes place in intestine
8. Write the functions of different cranial nerves
9. Role of sex hormones in the regulation of menstrual cycle
10. Write a note on mechanism of respiration
11. Classify temporary methods of contraception for females

SHORT ANSWERS

10 x 2 = 20 Marks

12. Write the functions of endoplasmic reticulum and plasma membrane
13. Name the bones of skull
14. What is synovial joint? Give examples
15. Enumerate the functions of spleen
16. Define vital capacity. Write its normal value
17. What is cardiac output? How it is calculated?
18. Write the composition and functions of bile
19. Write the sign and symptoms of Addison's disease
20. Genetic basis of sex determination.
21. Write the effects exercise on respiration
