

Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Examination – 02-Nov-2023

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. Discuss the blood coagulation factors and the mechanism of blood clotting
2. Write the synthesis, storage, release and functions of thyroid hormones
3. Describe the different phases of female reproductive cycle

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Classify joints with suitable examples
5. Describe the mechanism of urine formation
6. Write the physiology of hearing
7. Define blood pressure. Discuss the various factors that regulate blood pressure
8. What is external respiration? Explain the mechanism of respiration
9. Enlist the functions of liver
10. Enumerate the functions of hypothalamus and medulla oblongata
11. Discuss the physiology of muscle contraction

SHORT ANSWERS

10 x 2 = 20 Marks

12. Write the functions of plasma membrane and nucleus
13. Name the bones of Axial skeleton
14. What is Polycythemia and Hemophilia?
15. Draw ECG and label deflection waves
16. Draw and label schematic diagram of spinal reflex arc
17. What do you mean by peptic ulcer and diabetes mellitus?
18. List out the functions of spleen
19. What is renal clearance test? Mention its significance
20. Write the composition and functions of cerebro-spinal fluid (CSF)
21. Effects of exercise on body fluid and salts
