

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Renal Dialysis Technology Degree Examination – 28-Nov-2024

Time: 3 Hours

Max. Marks: 40 Marks

PHYSIOLOGY (RS-2)

Q.P. Code: 1250

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

(Note: Both QP Codes 1249 and 1250 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Explain the counter current mechanism in the kidney with neat diagrams
2. Describe in detail the mechanism of urine formation

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. What is GFR? Explain the factors that regulate GFR
4. Any two hormones secreted by kidney and their mechanisms
5. Describe buffer systems of the body fluids
6. Explain mechanism of coagulation

SHORT ANSWERS (Answer any Five)

5 x 3 = 15 Marks

7. What is Artificial Kidney?
8. Explain structure of Juxta Glomerular Apparatus with neat labelled diagram
9. Explain PAH clearance
10. Sources of H⁺ ion production
11. Auto regulation
12. What is Haemophilia?
