

Rajiv Gandhi University of Health Sciences, Karnataka  
II Year B.Sc. Renal Dialysis Technology Degree Examination – 22-May-2023

Time: Three Hours

Max. Marks: 50 Marks

Applied Physiology related to Dialysis Technology (RS-3)

**Q.P. CODE: 3402**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**(Note: Both QP Codes 3302 and 3402 are to be answered within total duration of 3 hours)**

**LONG ESSAYS (Answer any One)**

**1 x 10 = 10 Marks**

1. What is GFR? Give its normal value. Explain factors regulating GFR.
2. Describe the role of kidney in long term regulation of blood pressure.

**SHORT ESSAYS (Answer any Five)**

**5 x 5 = 25 Marks**

3. Discuss renal function tests.
4. Endocrine function of kidney.
5. What is auto regulation of renal blood flow and how it is explained?
6. Clearance tests. Add a note on urea clearance.
7. Describe role of kidney in glucose reabsorption.
8. Mechanism of coagulation. Outline the intrinsic.

**SHORT ANSWER (Answer any FIVE)**

**5 x 3 = 15 Marks**

9. Haemophilia.
10. Clotting time.
11. Normal value of urea, creatinine, uric acid.
12. Hyponatremia.
13. List three major buffers in the blood.
14. Explain briefly Glomerulo-tubular feedback.

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