

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Renal Dialysis Technology Degree Examination – 15-May-2025**

**Time: Three Hours**

**Max. Marks: 100 Marks**

**Pharmacology Related to Haemodialysis and Peritoneal Dialysis (RS-3)**

**Q.P. CODE: 3303**

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

**LONG ESSAYS (Question No.2 Choice)**

**2 x 10 = 20 Marks**

1. Classify low efficacy diuretics. Explain mechanism of action adverse effect and uses of osmotic diuretics.
2. Mention the difference between haemodialysis concentrates and peritoneal dialysis. Explain complications of peritoneal dialysis.

**OR**

Classify antihypertensive. Write in detail about calcium channel blockers.

**SHORT ESSAYS (Question No.5 & 10 choice)**

**10 x 5 = 50 Marks**

3. Propranolol – mode of action, indication and dose.
4. Potassium exchange resins.
5. IV fluid therapy in renal patients.
6. Classify vasopressor agent with indication.
7. Drugs used in iron deficiency anemia.
8. Explain advantage and disadvantage of IV route of drug administration.
9. Amlodipine – mode of action and indication.
10. Classify vitamins. Mention therapeutic values of fat soluble vitamins.

**OR**

Explain dialyzable drugs with examples.

11. Define and classify antidiuretics with suitable examples. Mention uses of it.
12. Write a note on continuous renal replacement therapy.

**SHORT ANSWER (Question No. 15 & 20 choice)**

**10 x 3 = 30 Marks**

13. Why is Vitamin D is recommended in dialysis patients?
14. Bicarbonates.
15. Write the uses of folic acids.

**OR**

Define inotropes with example.

16. Mention three uses of erythropoietin.
17. Treatment of metabolic acidosis.
18. Hepatitis B vaccine.
19. Name any three calcium supplements.
20. Name any three nephrotoxic drugs.

**OR**

Name any three low molecular weight heparin

21. Name any two parenteral iron formulation
22. Mention the three cause of fluid over load.

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