

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Renal Dialysis Technology Degree Examination – 14-May-2026**

**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. Write a note on iron supplementation giving its use, mechanism of action and side effects
2. Classify antihypertensive drugs giving examples for each. Write a note on angiotensin converting enzyme inhibitors

**OR**

Classify diuretics. Write a detailed note on potassium sparing diuretics

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

**10 x 5 = 50 Marks**

3. Write a note on nifedipine
4. Adverse effects of loop diuretics
5. Losartan – mode of action, indication and dose
6. Calcium supplements
7. Haemodialysis solutions
8. Write a note on therapeutic action of colloids
9. Furosemide – mode of action, indication and dose
10. Explain dialyzable drugs with examples

**OR**

Write a note on antibiotics used in renal patients

11. Adverse effects and uses of calcium channel blockers
12. Vitamin D – mode of action and indication

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

**10 x 3 = 30 Marks**

13. Enlist the positive inotropic agents and give examples
14. Write note on continuous renal replacement therapy solution
15. Protamine sulphate – dose, indication and side effect

**OR**

Role of Folic acid with indication

16. Compare low molecular weight heparin over heparin
17. Give examples for three immunosuppressant drugs giving their therapeutic uses
18. Calcium supplements
19. Uses of anticoagulants giving two examples
20. Citrate coagulation

**OR**

Crystalloids – Advantages and therapeutic uses

21. Vaccines used in dialysis patients
22. Uses and contraindication of erythropoietin

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