

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Renal Dialysis Technology Degree Examination – 06-Nov-2025

Time: Three Hours
Marks

Max. Marks: 100

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 anticoagulants. Write a note on the mechanism of action, uses and contraindications of heparin
2. Classify colloids and crystalloids and add a note on their mechanism of action giving examples

OR

Classify antihypertensive drugs giving examples for each. Write a note on propranolol

SHORT ESSAYS (Question No.5 & 10 choice)

10 x 5 = 50 Marks

3. Erythropoietin – mode of action, indication and dose
 4. Classify Loop diuretics and mode of action, side effects of Loop diuretics
 5. Oral anticoagulants
- OR**
- Composition and types of peritoneal dialysis solution
6. Write a note on angiotensin receptor blockers giving examples
 7. Phosphate binders
 8. Write a note on antibiotics used in renal patients
 9. Write a note on the mechanism of action and adverse effects of calcium channel blockers
 10. Vitamin D – indication and adverse effects

OR

Acetazolamide – indication and adverse effect

11. Renal replacement therapy solutions
12. Write a note on immunosuppressive drugs giving examples and uses

SHORT ANSWER (Question No. 15 & 20 choice)

10 x 3 = 30 Marks

13. Enlist the vasodilators used in hypertension
 14. Vitamin K
 15. Name three dialyzable drugs
- OR**
- Calcium supplements
16. Enlist the vaccine used in dialysis patients with their use
 17. Protamine sulphate – uses and side effects
 18. Mannitol – uses and side effects
 19. Difference between vasopressors and inotropic agents with one examples each
 20. Spironolactone – indication and adverse effect
- OR**
- Folic acid – indication and dose
21. Uses and two examples of alpha adrenergic blockers
 22. Oral iron preparations – name any four
