

# Rajiv Gandhi University of Health Sciences, Karnataka

## II Year B.Sc. Renal Dialysis Technology Degree Examination – 02-Dec-2024

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 diuretics. Explain the mechanism of action, uses and side effects of thiazide diuretics
2. Write a note on vasopressors

**OR**

Classify antihypertensive drugs. Explain the mechanism of action and adverse effects of any one ACE inhibitor

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

10 x 5 = 50 Marks

3. Mannitol – Indication and mode of action
4. Protamine sulphate – indication, dose and side effects
5. Classify immunosuppressive drugs
6. Composition of haemodialysis solutions
7. Verapamil – mode of action, indication and adverse effect
8. Role of Folic acid and indication
9. Heparin – mode of action, indication and contraindication
10. Classify Oral iron preparations

**OR**

Classify Oral anticoagulants

11. Write a note on calcium supplements for dialysis patients
12. Write the mechanism of action of beta blockers with two examples and its uses

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

10 x 3 = 30 Marks

13. Uses of crystalloids and its advantages
14. Name three positive inotropic agents
15. Citrate coagulation

**OR**

Uses of calcium supplements

16. Enlist the water soluble vitamins
17. Enlist the potassium sparing diuretics
18. Enlist three peripheral vasodilators
19. Side effects of osmotic diuretics
20. Phosphate binders

**OR**

Define Bioavailability

21. Three examples for angiotensin receptor blockers
22. Drugs used in peritonitis

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