

Rajiv Gandhi University of Health Sciences, Karnataka  
II Year B.Sc. Renal Dialysis Technology Degree Examination – 24-May-2023



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 briefly on vasopressors.
2. Classify diuretics. Write the mechanism of action, uses and adverse effects of furosemide.

**OR**

Write briefly on dialyzable drugs.

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

**10 x 5 = 50 Marks**

3. Vitamin K formulation and their indication.
  4. Crystalloids used as plasma expanders.
  5. Peritoneal dialysis solution.
- OR**
- Folic acid in dialysis patients.
  6. Phosphate binders.
  7. Erythropoietin – mode of action, indication and dose.
  8. Protamine sulphate – Indication and dose.
  9. Classify Immunosuppressants. Write the mechanism of action and uses of any one of them.
  10. Name the different IV fluids. Write the advantages and indications of any two of them.

**OR**

Name any four antihypertensives. Write the mechanism of action and adverse effects of any one of them.

11. Aminoglycoside antibiotics.
12. Low molecular weight heparins.

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

**10 x 3 = 30 Marks**

13. Name any three water soluble vitamins.
14. Mannitol.
15. Spironolactone.

**OR**

Mention any three precautions to be taken while administering vaccines to dialysis patients.

16. Name any three antidiuretics.
17. List the adverse effects of penicillins.
18. Name any three calcium channel blockers.
19. Name any three parenteral iron preparations.
20. Name any three positive inotropes.

**OR**

Name any three angiotension converting enzyme (ACE) inhibitors.

21. Mention any three uses of warfarin.
22. Mention any three antiplatelet drugs.

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