Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Renal Dialysis Technology Degree Examination – 05-Nov-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. Define and classify diuretics. Write mechanism of action adverse effect and uses of furosemide.

2. Classify vitamins. Write in detail about the importance of fat soluble vitamins related to dialysis.

   OR

   Define and classify inotropes and explain the mode of action, indication and dose any one isotropic agent.

SHORT ESSAYS (Question No.5 & 10 choice) **10 x 5 = 50 Marks**

3. Enlist different types of dialysis fluid. Explain composition and use of any one of it.
4. Parenteral iron preparation.
5. Drugs used in hypotension.

   OR

   Prot-amine sulphate – dose, indication and side effects.
6. Enlist the vaccines used in dialysis patient.
7. Plasma expanders – mode of action and indication.
8. Erythropoietin – mode of action and indication.
9. Advantage of disadvantage of parenteral route of drug administration.
10. Hepatitis B vaccine.

    OR

    Mention the advantages of Low Molecular Wright heparin over standard heparin.
11. Indication and dose of Pencillin - G
12. Dialysate.

SHORT ANSWER (Question No. 15 & 20 choice) **10 x 3 = 30 Marks**

13. Folic acid – Indication and dose.
14. Name any three calcium supplements.
15. Aldosterone antagonist.

    OR

    Heparin antagonist.
16. Why are phosphate binders are recommended in dialysis patients.
17. Define bio-equivalence and Bioavailability.
18. Name the three drugs contraindicated in patients with renal failure.
19. Define anticoagulants. Name two uses of heparin.
20. Potassium exchange resins.

    OR

    Bicarbonates.
21. Name any three antibiotics to treat peritonitis.
22. Mention three uses of β blockers.

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