

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. Renal Dialysis Technology Degree Examination – 29-Oct-2025

Time: Three Hours

Max. Marks: 100 Marks

Applied Dialysis Technology – Paper -II (RS-3)
Q.P. CODE: 3306

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Second Question Choice)

2 x 10 = 20 Marks

1. What precautions to be taken in haemodialysing HBsAg positive patient. How do you prevent hepatitis B and C infection in HD unit?
2. Indications of plasmapheresis and write the prescription for same

OR

Discuss in detail anemia in dialysis patient with causes, investigations and treatment

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Briefly mention about venous anticoagulant used in HD
4. List water treatment modalities in HD
5. Enumerate HDF and what are the disadvantages of HDF?

OR

Choice of therapy for poisoning

6. Explain sorbent dialysis technology
7. Elaborate CRRT with diagram
8. Describe MARS techniques and prescription
9. Explain infant dialysis
10. The role of telemedicine in dialysis

OR

Write about physiology of peritoneal membrane

11. Kindly write complication during breaking procedure in CAPD
12. Common psychosocial problem in dialysis patient

SHORT ANSWER (Question No. 15 & 20 choice)

10 x 3 = 30 Marks

13. Write chemical analysis performed in water treatment plant
14. Mention three problems in doing HD in children
15. What is brown tumor in CKD patients?

OR

Explain SCUF with its one main advantage

16. Mention schedule for hepatitis B vaccination
17. Drugs used in management of hyperparathyroidism
18. Causes of hypoglycemia in dialysis patients
19. Use of deionization in water purification
20. Diet modification in renal dialysis patients

OR

Phosphate binders used in HD patients

21. Explain hard water syndrome
22. Explain peritoneal equilibrium test in CAPD
