Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Renal Dialysis Technology Degree Examination – 02-Nov-2026

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. Elaborate the choice of dialysis modalities in ICU
2. Explain the dialysis modalities in infants or children and their complications

   OR

   Discuss in detail steps in water treatment process for HD, also briefly discuss complications associated with improper water treatment

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

3. Write various types of viral infection in dialysis
4. Compare CHD, CHF and CHDF
5. Dialysis in failed transplant patients

   OR

   Dialysis for patients with congestive cardiac failure
6. Causes of anaemia and haemolysis in dialysis patients
7. Explain plasmapheresis procedure
8. Explain dialyser reuse procedure
9. Describe HD apparatus.
10. Use of telemedicine in dialysis practice

    OR

    Mechanical complications of CAPD
11. Discuss dialysis associated Amyloidosis
12. What is MARS? What is its efficacy?

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

13. CRRT filters
14. Expand HDF
15. Causes of seizures in dialysis patients

    OR

    Causes of hypoglycemia in dialysis patient
16. Name three commonly dialyzable drugs
17. Describe three causes of hepatitis C transmission in dialysis
18. What is ozone disinfection?
19. What is conductivity and its normal value?
20. Name few commonly dialyzable drugs

    OR

    What is home haemodialysis?
21. Explain SCUF
22. How to calculate plasma volume for TPE?

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