Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. Renal Dialysis Technology Degree Examination – 03-Jun-2024

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 (Question No.2 Choice)   **2 x 10 = 20 Marks**
1. Enumerate the precautions taken while dialyzing a patients of Hepatitis B and Hepatitis C.
2. Explain in detail dialysis modalities for paediatric patients.
   OR
   Explain the procedures for dialyser priming and how to test whether priming is adequate.

SHORT ESSAYS (Question No.5 & 10 choice)   **10 x 5 = 50 Marks**
3. Discuss the causes of hypertension in dialysis patients and how do you manage it.
4. Describe reverse osmosis.
5. Discuss dialysis in diabetic patients.
   OR
   What is home hemodialysis? What are its advantages and disadvantages?
6. Explain depression in dialysis patients.
7. Discuss diet recommendations for patients on peritoneal dialysis.
8. Describe membrane plasma separation technique.
9. Explain MARS.
10. Discuss telemedicine in dialysis practice.
    OR
    Explain online hemodiafiltration.
11. Discuss the prescription of sustained low sufficiency dialysis.
12. List apparatus for hemoperfusion and write its standard prescription.

SHORT ANSWER (Question No. 15 & 20 choice)   **10 x 3 = 30 Marks**
13. Write method of preparing bicarbonate based CRRT solutions when pre packed solutions are not available.
14. Write principle of plasmapheresis.
15. What are the water contaminants causing anaemia in dialysis patients?
    OR
    List three drugs that reduce serum phosphate levels.
16. List four commonly used drugs for treating hypertension.
17. What is aluminium toxicity? Write two causes of it in dialysis patients.
18. How do you manage blood spill in dialysis room?
19. Explain pre dilution of dilution of replacement solution in CRRT.
20. Causes of renal anaemia.
    OR
    What is Darbipoietin and its uses.
21. Explain charocal filter in water purification system.
22. Write a note on ultrapure dialysate.

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