

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Renal Dialysis Technology Degree Examination – 27-Nov-2023

Time: Three Hours

Max. Marks: 100 Marks

APPLIED RENAL DIALYSIS TECHNOLOGY – II (RS2)

Q.P. CODE: 2919

Your answer should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define hypertension? Write the causes, management and prevention of hypertension in CKD patients
2. What is anemia? Write in detail about iron deficiency anemia in CKD patients and its management
3. Write in detail about Dialyzer reuse and clinical concerns related to dialyzer reuse.

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. What are the side effects of ESA therapy?
5. MARS
6. Explain about indications and different techniques used in plasmapheresis
7. What are the indications for dialysis in children? Explain about different treatment modalities in children.
8. Write about biomedical waste management in dialysis unit
9. Write about biochemical investigations involved in dialysis patients
10. Write about care for HBV patients in dialysis unit
11. What are pretreatment systems used in water purification system for dialysis, and its daily monitoring?
12. Explain about phosphate binders
13. Explain about CVVHDF with diagram and Write a sample prescription for CVVHDF.
14. Psychological issues faced by ESRD patients
15. Explain in details about Online HDF

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. AAMI standards for bacteria and endotoxin in the water for dialysis
17. Indications for CRRT
18. Maximum allowed chlorine and chloramine in the water for dialysis
19. Causes of anemia in CKD patients
20. Universal precautions
21. What is SCUF? What are the indications.
22. How to estimate plasma volume for plasmapheresis.
23. Use of Telemedicine in dialysis therapy
24. Trisodium citrate and its uses
25. Osteoporosis
26. Molecular weight of albumin, IgG and IgM
27. Write examples of two low volume dialyzer used for pediatric patients
