

# Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Renal Dialysis Technology Degree Examination – 14-Dec-2022

**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. Write in detail about dialyzer reuse
2. What is hyperphosphatemia? Write in detail how to manage hyperphosphatemia?
3. Write in detail about psychological issues faced by dialysis patients

### **SHORT ESSAYS (Answer any Ten)**

**10 x 5 = 50 Marks**

4. Clinical benefits of online HDF compare to hemodialysis
5. What is aluminum toxicity and management?
6. What are the indications for CRRT, write about different treatment modalities in CRRT
7. Write about different treatment modalities in peritoneal dialysis
8. What are the advantages and disadvantages of daily HD?
9. What is regional citrate anticoagulation in CRRT
10. Write a note on hemoperfusion
11. Write about Dialysis in Children.
12. Write universal precautions and infection control practices in dialysis
13. Indications of plasmapheresis
14. Write note on MARS
15. Write about carbon filter used in water pretreatment system

### **SHORT ANSWERS (Answer any Ten)**

**10 x 3 = 30 Marks**

16. What is osteomalacia?
17. Write about water line disinfection methods
18. What are the factors favoring clotting in extracorporeal?
19. Advantages of Reverse Osmosis (RO) system
20. What is filtration fraction in CRRT and its importance
21. Role of telemedicine in dialysis practice
22. What is isolated ultrafiltration?
23. Hepatitis B vaccine dosage in dialysis patients
24. Write two examples of low volume dialyzers used for pediatric patients
25. What is SCUF and its indications
26. Replacement fluids used in plasmapheresis (TPE)
27. Normal serum levels for albumin, potassium and calcium

\*\*\*\*\*