

Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. Renal Dialysis Technology Degree Examination – APRIL 2015

Time: Three Hours

Max. Marks: 100 Marks

APPLIED RENAL DIALYSIS TECHNOLOGY – II (Revised Scheme)

Q.P. CODE: 2919

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. List and describe in detail the water treatment modalities in hemodialysis.
2. Discuss in detail anticoagulation in hemodialysis. Add a note on heparin free dialysis.
3. Discuss contraindications and complications of Continuous Ambulatory Peritoneal Dialysis (CAPD) in brief.

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. Sequential dialysis
5. Hemodialysis in a patient with advanced liver disease
6. Muscle cramps in hemodialysis
7. Adequacy in hemodialysis
8. Dialysis in an ICU patient with hypotension
9. Tunnel infection in CAPD
10. Icodextrin in CAPD
11. Metabolic problems in CAPD
12. Tidal peritoneal dialysis
13. Advantages and problems of pre-pump replacement in CRRT
14. Sodium modeling in hemodialysis
15. Dialyser reactions

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Advantages of dialyzer reuse
17. Diet in a CAPD patient
18. Safety monitors and alarms in the blood circuit during hemodialysis
19. What is automated peritoneal dialysis?
20. What is break in period in CAPD?
21. What is KoA of dialyzer?
22. Indications for Plasmapheresis
23. Antidote for heparin and its neutralizing dose
24. What is transmembrane pressure?
25. What is volumetric ultrafiltration control in hemodialysis?
26. Importance of surface area of dialyzer in hemodialysis
27. Prevention of Hepatitis B in hemodialysis unit
