

Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. Renal Dialysis Technology Degree Examination – MARCH 2018

Time: Three Hours

Max. Marks: 100 Marks

APPLIED RENAL DIALYSIS TECHNOLOGY - I (Revised Scheme)

Q.P. CODE: 2918

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. Discuss types of heparinisation in dialysis, its complication and management.
2. Discuss causes and management, mechanical complications of peritoneal dialysis.
3. Discuss in detail transport mechanism in hemodialysis and peritoneal dialysis.

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. Type A dialyzer reaction
5. Discuss alarms in dialysis machine.
6. Compare hemodialysis dialysate and peritoneal dialysis dialysate composition.
7. Discuss causes of AVF failure.
8. Peritoneal membrane characteristics in PET
9. Culture sterile peritonitis causes and treatment
10. Vaccination in dialysis patients
11. Discuss urgent indications for dialysis.
12. Write in brief history of dialysis.
13. Countercurrent flow in dialysis
14. Advantages and disadvantages of reuse
15. Discuss KoA, Kuf and Kt/v in dialysis very briefly.

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Long-term complications of hemodialysis temporary access
17. What is SLED?
18. Mention two problems in doing hemodialysis in children.
19. Name two bio compatible dialyzer membranes.
20. How much is the temperature setting of Hemo dialysate?
21. Causes of Air embolism during dialysis
22. Dwell time in low average transporter and high average transporter
23. How to monitor heparin in dialysis?
24. Advantages of low molecular heparin in dialysis
25. Two complications of plasmapheresis
26. What is brown tumor in CKD patients?
27. Two advantages of CCPD
