

upload\_625835b23401b9b15c21e42c186d7e1d.doc

**Rajiv Gandhi University of Health Sciences, Karnataka**

III year B.Sc. Renal Dialysis Technology Degree Examination – Aug 2013

**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. Describe in brief the precautions to be taken in 'hemodialysing' Hepatitis B positive patient with chronic liver disease. How do you prevent Hepatitis B & C infection in haemodialysis Unit
2. Describe in detail 'water treatment' equipment for in-center hemodialysis with emphasis on water quality standards required
3. What are various types of CAPD catheters? Describe few non-infectious complications seen on CAPD

**SHORT ESSAYS (Answer any Ten)****10 x 5 = 50 Marks**

4. Dialyser reactions
5. Prevention of hypotension during haemodialysis
6. Adequacy of haemodialysis
7. Heparin-free haemodialysis
8. Dialysis access recirculation
9. Biocompatibility of haemodialysis membranes
10. Complications with arteriovenous fistula
11. 'Tunnel infection in CAPD
12. Principles on which peritoneal dialysis work
13. Phenobarbitone poisoning and hemodialysis
14. Tidal peritoneal dialysis
15. Long term complications of haemodialysis

**SHORT ANSWERS (Answer any Ten)****10 x 3 = 30 Marks**

16. Drugs used to correct 'anaemia' in chronic kidney disease
17. Name various types of CRRT
18. Name advantages of CRRT in ICU setting
19. Causes of 'fever' during haemodialysis
20. Urgent indications for haemodialysis
21. Relative contraindications for CAPD
22. Types of 'ultrafiltration' failure in CAPD
23. Chloramine toxicity in haemodialysis
24. Indications for plasmapheresis
25. Write normal values of serum creatinine, serum electrolytes
26. Protamine sulphate use in haemodialysis unit