

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

III year B.Sc. Renal Dialysis Technology Degree Examination – Sep 2012

**Time: Three Hours****Max. Marks: 100 Marks****APPLIED RENAL DIALYSIS TECHNOLOGY - II**  
**(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. Mention the absolute indications for dialysis and mention the various types of temporary access
2. Discuss Hemodialysis apparatus and its various safety devices
3. Discuss the advantages of CAPD and mention the organisms causing peritonitis and treatment of peritonitis

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

4. Peritoneal membrane characteristics and clinical implications
5. KoA and KuF in artificial kidney
6. Heparin free dialysis
7. AV Fistula – types and advantages
8. Assessment of AV Fistula for first cannulation
9. Types of dialyzer membranes
10. Long term complications of AV Fistula
11. Advantages and disadvantages of AV Grafts
12. Factors affecting solute clearance of a Hemodialyzer
13. Clinical implications of dialysis membrane biocompatibility
14. Reasons for underdelivery of prescribed dose of hemodialysis
15. Urea kinetic modeling

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

16. Causes of death in patients on dialysis
17. Name some "Uremic toxins"
18. "Middle Molecules"
19. Definition of uremia
20. Access recirculation and its implications
21. Name few complications of internal jugular access placement
22. Dialysis – associated steal syndrome
23. Technical complications during hemodialysis
24. Post – dialysis fatigue syndrome
25. Causes of ineffective fluid removal in CAPD
26. Acute PD
27. Mention few metabolic and non – infectious complications in CAPD