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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 DIALYSIS TECHNOLOGY - II

Q.P. CODE: 2263

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)**2 x 20 = 40 Marks**

1. Discuss in detail the principles of Dialysis – viz. diffusion, osmosis and ultrafiltration, solvent drag in haemodialysis, hemodiafiltration and peritoneal dialysis
2. Describe in detail the major steps in 'Dialyser Reuse' technique. Mention the advantages and disadvantages of dialyser reuse
3. Mention common complications in haemodialysis. How do you prevent and treat dialysis disequilibrium syndrome?

SHORT ESSAYS (Answer any Ten)**10 x 6 = 60 Marks**

4. Composition of PD fluid
5. High flux haemodialysis
6. Sodium modeling in haemodialysis
7. Peritoneal dialysis catheters
8. Acetate Vs bicarbonate dialysis
9. Composition of bicarbonate dialysis concentration
10. Newer membranes for dialysers
11. Types of CAPD catheters
12. Aluminium toxicity
13. Hypotension on dialysis and management
14. Heparin free and rigid Heparin dialysis
15. First use syndrome
