

# Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. Renal Dialysis Technology Degree Examination – AUG/SEP 2016

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 the indications and advantages of CAPD and mention the organisms causing peritonitis and treatment of peritonitis.
2. Mention the complications during haemodialysis. Discuss the causes, management and prevention for intradialytic hypotension.
3. Discuss haemodialysis apparatus and its various safety devices.

### **SHORT ESSAYS (Answer any Ten)**

**10 x 5 = 50 Marks**

4. AV Fistula
5. Urea kinetic modeling
6. Peritoneal equilibration test
7. Factors affecting solute clearance of a dialyzer
8. Sodium and UF modeling
9. Peritoneal dialysis catheters
10. Access Re-circulation
11. Regional anti-coagulation in haemodialysis
12. Discuss the causes, management and prevention for air embolism.
13. Diffusion in haemodialysis
14. What is Co-current haemodialysis? When it is indicated?
15. What are the various causes of chills during dialysis?

### **SHORT ANSWERS (Answer any Ten)**

**10 x 3 = 30 Marks**

16. Scribner's shunt
17. What is sequential dialysis?
18. Name the insertion related complication of temporary vascular access.
19. Mention the normal values for Serum Potassium, creatinine and urea.
20. Icodextrin based dialysate in CAPD
21. Mention the complications of heparin.
22. Steal syndrome
23. Mention the contraindications for peritoneal dialysis.
24. Tidal peritoneal dialysis
25. Define ultrafiltration coefficient.
26. Name three emergency indications of haemodialysis.
27. Indications of peritoneal dialysis

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