

Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. Renal Dialysis Technology Degree Examination – APRIL 2015

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. What are various indications and contraindications of peritoneal & hemodialysis?
2. Describe in brief about physiology of peritoneal dialysis.
3. What is exit site? How do you manage exit site infection?

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. Hemodialysis is done in patients with severe metabolic acidosis. What is the danger of excessive correction of metabolic acidosis?
5. What is co-current HD & when it is indicated?
6. What are the various parameters checked prior to and during hemodialysis treatment sessions?
7. Write causes of high venous pressure in hemodialysis.
8. What are types of ultrafiltration failure?
9. What are the routine blood tests done monthly and 3 monthly in dialysis patient?
10. What are the various strategy to prevent hypotension during HD session?
11. What are the causes of headache in hemodialysis?
12. What are the problems associated with high blood flow rate > 350/min in HD patient?
13. What is meant by priming? Write steps of priming.
14. What are the causes of metabolic alkalosis in dialysis patient?
15. When do you suspect massive pericardial effusion or cardiac tamponade in hemodialysis patient?

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Name 3 emergency indications of hemodialysis.
17. What is ultrafiltration co-efficient?
18. Draw hemodialysis circuit.
19. Steps of hand washing
20. What is heparin induced thrombocytopenia (HIT)?
21. What is normal dialysate 'K' concentration?
22. What is home choice machine & what is its use?
23. Name two indications of plasmapheresis.
24. When do you suspect dialyzer leak?
25. What is conductivity?
26. What is thermal disinfection?
27. What is Renalin & its use?
