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
27. Pressure / leak test in dialyser reuse

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

Time: Three Hours | Max. Marks: 100 Marks

APPLIED RENAL DIALYSIS TECHNOLOGY - II
(Revised Scheme)

Q.P. CODE: 2919

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. Indications and modes of dialysis in ICU. Describe in detail SLED
2. Problems of hemodialysis in children. Discuss advantages and disadvantages of PD over HD
3. Discuss various steps in water treatment for hemodialysis also briefly discuss complications associated with improper water treatment

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

4. Dialysis's in pregnancy
5. Vaccination in dialysis patient
6. Universal precaution in dialysis
7. Mechanical complications in PD
8. Describe hemodialfiltration and hemoperfusion
9. Causes of hypertension in dialysis patient and how do you manage
10. Telemedicine in dialysis
11. Citrate dialysis
12. Monitoring of anticoagulation in dialysis patient
13. Write composition of acetate and bicarbonate dialysate
14. Peritoneal equilibration test
15. Causes of anaemia in dialysis and its management

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

16. Write two molecules of low molecular weight heparin
17. Type of amyloidosis in dialysis patients and one symptom it is associated
18. Two indications of dialysis in poisoning
19. Two tests for evaluating bone disease in CHD
20. Expand APD and CAPD
21. Normal values of serum albumin and serum calcium
22. Two disadvantages of reuse
23. Two complications of aluminum toxicity
24. Expand CVVHD and CVVHDF
25. Drugs used to treat cramps in dialysis
26. Two complications of plasmapheresis
27. Recommended KT/V for hemodialysis and CAPD

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