

Rajiv Gandhi University of Health Sciences, Karnataka

III year B.Sc. Renal Dialysis Technology Degree Examination – SEP 2017

Time: Three Hours

Max. Marks: 100 Marks

APPLIED RENAL DIALYSIS TECHNOLOGY - II

(Revised Scheme)

Q.P. CODE: 2919

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. A 60year old male, long standing diabetes with diabetic nephropathy and dilated cardiomyopathy with EF>20% is becoming frequently symptomatic even with combination of diuretic. What renal replacement therapy do you offer and why? Justify.
2. What is nocturnal hemodialysis? What are its advantages & disadvantages?
3. What is home hemodialysis? How does it work out?

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. What is CCPD (Continuous Cyclic Peritoneal Dialysis) & When do you advise CCPD?
5. Mention indications and use of Icodextrin in CAPD.
6. What are causes of low platelet count in HD patient?
7. A hemodialysis Patient on tight heparin schedule complains of epistaxis post HD. What will you do?
8. During peritonitis episode, how will you plan CAPD prescription?
9. What CAPD prescription you will prescribe for a patient with high average type of transport characteristics in PET?
10. How will you calculate plasma volume for exchange in plasmapheresis?
11. What are the choices of replacement solution in plasmapheresis?
12. What are the complications of peritonitis?
13. What is immune adsorption technique? What are its indications?
14. How do you identify hemolysis during HD and how do you deal with it?
15. What are signs of clotting in extracorporeal circuit?

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Draw a diagram to illustrate dialysate delivery in HD machine.
17. Write about usual composition of dialysate used in HD.
18. What are the disadvantages of acetate dialysis?
19. How many liters of R.O. water is required per session of HD/ per patient?
20. What are the effects of aluminium toxicity?
21. What is permcath?
22. What is protamine?
23. What is dry weight?
24. Name two advantages of dialyser reuse.
25. What is single needle dialysis?
26. What is sensitivity of bloodleak detector?
27. How do you measure online Kt/v?
