

RENAL DIALYSIS TECHNOLOGY

PAPER-III

APPLIED DIALYSIS THERAPY TECHNOLOGY

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark

Color pencil.

Write an essay on any TWO of the following questions:

2 X 10 = 20

1. Compare Haemodialysis versus peritoneal dialysis.
2. Draw water treatment plant and label.
3. Vascular access- types and complications.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Mention different Haemodialysis therapies with figures.
5. What is Deionizer? What are its functions?
6. Physiological principles involved in clearance of solute in dialysis.
7. Air embolism in Haemodialysis and how do you prevent?
8. What is access recirculation? How do you reduce it?
9. What is first use reaction with a dialyser?

Write briefly on the following:

10 X 3 = 30

10. What is RO water & ultrapure water difference?
11. What is high cut off dialysis? Where it is used?
12. What are middle molecules? What are the properties affecting clearance of molecules in dialysis?
13. What is PET test in peritoneal dialysis? Why is it done?
14. What is kt/v in haemodialysis? How do you increase it?
15. What are the impurities removed from raw water by carbon filter?
16. When do you avoid reuse of dialyser?
17. Who performed the first haemodialysis? using which machine?
18. Who is the father of peritoneal dialysis?
19. What is the function of transducer protector?
