

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. Renal Dialysis Technology Degree Examination – 30-May-2024

Time: Three Hours

Max. Marks: 100 Marks

APPLIED DIALYSIS TECHNOLOGY – PAPER I (RS-3)

Q.P. CODE: 3305

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

LONG ESSAYS (Second Question Choice)

2 x 10 = 20 Marks

1. Explain procedure of CAPD and what is tidal PD?
2. Classification, causes of chronic kidney disease

OR

Explain the blood circuit of HD apparatus with neat labelled diagram

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Mention the different types of chronic PD catheters and also mention advantages and disadvantages of each type
4. Initial cannulation procedure for AVF
5. Heparin free dialysis
6. Mention the different common location of AVG and also explain physical examination of AVG
7. Automated dialyzer reuse
8. Exit-site tunnel infection
9. Types of cuffed catheters and write its advantages
10. Chronic dialysis withdrawal criteria

OR

Encapsulating peritoneal sclerosis

11. Common complications of temporary venous access
12. Three-pore model

SHORT ANSWER (Question No. 15 & 20 choice)

10 x 3 = 30 Marks

13. What is amount of proteins in lost in CAPD and hemodialysis during each session?
14. Bypass valve in HD and its importance
15. Mention any three indications for PD

OR

Who is William Kolff and what is contribution to dialysis?

16. Access recirculation
17. Management of exist-site infection in PD
18. How to assess whether frustrate is matured?
19. Common complications of heparin
20. Define diffusion, osmosis and ultrafiltration

OR

Mention any three major complications during HD

21. What is the ideal blood flow rate during regular dialysis and first few dialysis? Give reasons
22. Mention any three advantages of PD
