

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. Renal Dialysis Technology Degree Examination – 27-Oct-2025

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. Discuss the indication and advantages of CAPD and mention the organism causing peritonitis and treatment of peritonitis
2. Describe haemodialysis apparatus in detail

OR

What are the various types of haemodialysis access? Write their advantages and disadvantages

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Criteria for dialysis withdrawal
 4. Explain Automatic Peritoneal Dialysis (APD).
 5. Adequacy of HD
- OR**
- What is Peritoneal Equilibrium Test (PET) and why it is done?
6. Name few cause of death in dialysis patient
 7. What nutritional parameters do you monitor in HD patients?
 8. Describe advantages and steps involved in dialyser reuse
 9. Types of Ultra Filtration Failure (UFF) in PD patients and its management
 10. Physiology of peritoneal dialysis

OR

KoA and Kuf in artificial kidney

11. Reason for underperform of haemodialysis session and how to measure it
12. Citrate dialysis

SHORT ANSWER (Question No. 15 & 20 choice)

10 x 3 = 30 Marks

13. Non-renal indications of dialysis
 14. What is sequential dialysis?
 15. Steal syndrome
- OR**
- Sodium profiling
16. Explain chemical disinfection of haemodialysis machine
 17. What is Argatroban?
 18. First use syndrome
 19. Mention the complications of heparin
 20. Icodextrin based dialysate in CAPD

OR

Composition of Renalin

21. What is retrograde and antegrade in dialysis?
22. Cardiopulmonary recirculation
