

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**III Year B.Sc. Renal Dialysis Technology Degree Examination – 08-May-2026**

**Time: Three Hours**

**Max. Marks: 100**

**APPLIED DIALYSIS TECHNOLOGY – PAPER -II (RS-3)**

**Q.P. CODE: 3306**

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

**LONG ESSAYS (Question No.2 Choice)**

**2 x 10 = 20 Marks**

1. Describe various modalities of dialysis used in intensive care unit with special emphasis on SLED
  2. Describe about choices of modalities in pediatric dialysis
- OR**
- Explain about in detail about therapeutic plasma exchange

**SHORT ESSAYS (Question No.5 & 10 choice)**

**10 x 5 = 50 Marks**

3. What are precautions taken in dialyzing renal transplant recipients?
  4. Dialysis in pregnancy
  5. Hemoperfusion
- OR**
- What are the common tests done to investigate causes of anaemia in CKD stage V patient on maintenance HD?
6. Home hemodialysis
  7. Sorbent dialysis
  8. Vascular access in children
  9. Online HDE
  10. Management of dialysis in patients with HIV, HBsAg and HCV infection
- OR**
- Management of patient with fluid overload
11. Nocturnal dialysis
  12. What are problems in dialyzing a long standing diabetic patient?

**SHORT ANSWER (Question No. 15 & 20 choice)**

**10 x 3 = 30 Marks**

13. What is dry weight?
  14. What is single needle dialysis?
  15. Name few dialyzable. Antihypertensive medication in dialysis patient
- OR**
- Access recirculation
16. What is residual renal function?
  17. Antibiotic locks in hemodialysis, name them
  18. Steps of hand washing
  19. Isolated ultrafiltration
  20. Three indications for plasmapheresis
- OR**
- Name three IV iron therapy
21. Ultrapure dialysate and its uses
  22. Poisons removed by charcoal hemoperfusion cartridge

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