

**Third Year B.Sc Dialysis Technology Regular/Supplementary  
Examinations February 2025**

**PAPER II – Specialized Extracorporeal Therapies, Critical care Nephrology  
including Renal Transplantation**

**Time: 3 Hours**

**Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay**

**(20)**

1. What are the common indications of therapeutic plasma exchange? Describe the procedure of therapeutic plasma exchange in detail. Discuss the complications associated with plasma exchange and how to manage them.

**Short Notes**

**(8x10=80)**

2. Hemodiafiltration
3. Sustained Low Efficiency Dialysis (SLED)
4. Molecular Adsorbant Recirculating System (MARS)
5. Tidal Peritoneal Dialysis
6. Regional Citrate Anticoagulation
7. Redy Sorbent System Dialysis
8. Ultrafiltration failure in peritoneal dialysis
9. Prevention of infection in a tunneled central venous catheter

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