

QP CODE: 302023

Reg. No:

**Third Year B.Sc Dialysis Technology Regular/Supplementary
Examinations April 2024**

**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. Discuss the principles of Hemodiafiltration. What are the different Hemodiafiltration modalities. Describe with supportive diagrams and enumerate the pros and cons of each modality.

Short Notes

(8x10=80)

2. Aluminium toxicity in dialysis patients
3. Water softeners
4. Reverse osmosis system for water purification
5. HIV infection in patients on maintenance hemodialysis
6. Automated Peritoneal Dialysis (APD)
7. Plasmapheresis.
8. Slow continuous Ultrafiltration (SCUF).
9. Fibre bundle volume
