

QP CODE: 103023

Reg. No:

**First Year B.Sc Dialysis Technology Regular/Supplementary
Examination February 2024**

Basics of Biochemistry

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 mechanisms involved in regulation of water and electrolyte balance in our body. Add a note on hypotonic, isotonic and hypertonic contraction.

Short Notes

(10x8=80)

2. Total parenteral nutrition
3. Clearance tests
4. Different tests to assess synthetic functions of liver
5. Different types of body buffers and their importance
6. Urine preservatives
7. Metabolic acidosis
8. Nutritional importance of lipids
9. SI units
10. Preparation of secondary standards
11. Different types of pH indicators and their use in the laboratory
