

**QP CODE: 103023**

**Reg. No: .....**

**First Year B.Sc Dialysis Technology Supplementary Examination  
June 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. Explain in detail, different types of renal function tests and their role in diagnosis of various abnormalities of kidney.

**Short Notes**

**(10x8=80)**

2. Types of anticoagulants and their use in the laboratory
3. Functions of plasma proteins
4. Different tests to assess excretory functions of liver
5. Types and clinical significance of dietary fibers
6. Role of lungs and hemoglobin in regulation of body pH
7. Nitrogen balance
8. Nutritional importance of fat-soluble vitamins
9. Hyperkalemia
10. Preparation of primary standards
11. Working principle, parts and use of pH meter

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