

**First Year B.Sc Dialysis Technology Supplementary Examination**  
**July 2023**

**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 the normal blood pH. Explain the regulation of blood pH.

**Short Notes**

**(10x8=80)**

2. Functions of plasma proteins
3. Anticoagulants and its use in laboratory
4. Clearance studies
5. Nitrogen balance
6. CSF analysis
7. pH indicators
8. Metabolic acidosis
9. Tests for excretory functions of liver
10. Dietary fibers
11. Hyperkalemia

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