

**QP CODE: 102023**

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

**First Year B.Sc Dialysis Technology Supplementary Examinations  
June 2025**

**Basics of Physiology**

**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. Define cardiac output and write the normal value. Describe the regulation of heart rate. Mention three conditions causing increase in heart rate and three conditions causing decrease in heart rate (2+12+6)

**Short Notes**

**(10x8=80)**

2. Regulation of body temperature
3. Structure and functions of different parts of eye
4. Anaemia
5. Transport of oxygen
6. Renal function tests
7. Functions of basal ganglia
8. Lactation
9. Structure and classification of neurons
10. Posterior pituitary hormones
11. Functions of liver

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