

QP CODE: 102023

Reg. No:

**First Year B.Sc Dialysis Technology Degree Regular/Supplementary
Examinations November 2025**

**Basics of Physiology
(2020 and 2024 Scheme)**

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 regulation of respiration. Add a note on hypoxia. (14+6)

Short Notes

(10x8=80)

2. Functions of basal ganglia.
3. Differences between cortical and juxtamedullary nephrons.
4. Rh incompatibility.
5. Endometrial changes during menstrual cycle.
6. Actions of growth hormone.
7. Composition and regulation of pancreatic juice secretion.
8. Heart sounds.
9. Innervation of urinary bladder.
10. Briefly describe the mechanism of hearing.
11. Properties of synapse.
