

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

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 glomerular filtration rate. What are the factors regulating GFR. Add a note on glucose reabsorption. (2+12+6)

Short Notes

(10x8=80)

2. Cerebrospinal fluid.
3. Actions of insulin.
4. Write a note on mechanism of hearing.
5. Heart sounds.
6. Transport of oxygen.
7. Rh blood group and Rh incompatibility.
8. Composition and regulation of gastric juice secretion.
9. Functions of basal ganglia.
10. Spermatogenesis.
11. Excitation contraction coupling in skeletal muscle.
