

Reg. No:

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

**Paper I – Applied Anatomy and Physiology related to Dialysis
(2020 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*

QP CODE: 211023

Applied Anatomy

Max. Marks: 50

Essay

(10)

1. Describe kidney under the following headings :

- a) Structure of nephron
- b) Relations
- c) Blood supply
- d) Clinical aspects

Short Notes

(5x8=40)

2. Pouch of Douglas
3. Internal jugular vein
4. Urinary bladder
5. Radial artery
6. Development of kidney and anomalies

QP CODE: 212023

Applied Physiology

Max. Marks: 50

Essay

(10)

1. Define hemostasis. List the steps of hemostasis. Explain the intrinsic pathway of coagulation with the help of a schematic diagram

Short Notes

(5x8=40)

2. Describe the structure and function of Juxtaglomerular apparatus
3. Explain the water reabsorption from kidney
4. Write in detail about the Renal clearance tests to measure Glomerular filtration rate
5. Describe the autoregulation of renal blood flow
6. Give the normal value of blood pH. Describe the acid -base disorders

CORRECTION / NO-CORRECTION FILE
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QPCODE: 211023

Dated: 24-11-2025

QP Code: 211023

Question No.2

Corrected as "Pouch of Douglas."

QP Code: 212023

No Corrections

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS