Reg. No: ……..

Second Year B.Sc Dialysis Technology Degree Regular/Supplementary Examinations February 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 urinary bladder under the following headings
    a) External features
    b) Interior of urinary bladder
    c) Blood supply
    d) Applied importance (5+3+1+1)

Short Notes **(5x8=40)**

2. Describe origin, course, branches, and applied anatomy of brachial artery
3. Write in detail about Lesser sac
4. Parts and features of male urethra
5. Microscopic structure of kidney
6. Formation, course, tributaries, and applied importance of Internal jugular vein

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QP CODE: 212023 **Applied Physiology** **Max. Marks: 50**

Essay **(10)**

1. Explain the different mechanisms involved in formation of urine.

Short Notes **(5x8=40)**

2. Describe renal clearance and its significance.
3. Name the hormones produced by kidney. Write their physiological actions.
4. Explain Autoregulation of Renal blood flow
5. Explain extrinsic pathway of coagulation
6. Define acidosis and alkalosis. Explain the role of kidneys in correction of acidosis.

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