

**Second Year B.Sc Dialysis Technology Degree Supplementary  
Examinations July 2024**

**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 Prostate gland under the following headings
  - a) Coverings
  - b) Anatomical lobes of Prostate gland
  - c) Microscopic structure
  - d) Applied importance

**Short Notes**

**(5x8=40)**

2. Microscopic structure of Urinary bladder
3. Describe the layers and folds of peritoneum
4. Anterior and posterior relations of Right kidney
5. Name the parts of Aorta and mention the branches of arch of aorta
6. Parts, course, and constrictions of Ureter

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**QP CODE: 212023**

**Applied Physiology**

**Max. Marks: 50**

**Essay**

**(10)**

1. What are the special features of Renal circulation. Which are the factors affecting it.

**Short Notes**

**(5x8=40)**

2. Describe the basic mechanisms involved in Acid Base balance.
3. Explain the 24-hour urinary indices.
4. With the help of schematic diagram explain the Intrinsic pathway of coagulation.
5. Describe the Renal Function tests.
6. Explain reabsorption of Glucose by the kidneys.

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