

**Second Year B.Sc Dialysis Technology Degree Regular Examinations
April 2023**

**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. (a) Describe the anterior and posterior relations of the kidney and its blood supply
(b) What is the histology of the kidney

Short Notes

(5x8=40)

2. Constrictions of the ureter
3. Explain the carotid arterial system
4. Greater omentum
5. Prostatic urethra
6. Cephalic vein

QP CODE: 212023

Applied Physiology

Max. Marks: 50

Essay

(10)

1. Write down the value of normal arterial pH. Explain the role of kidney in maintaining acid base balance. Add a note on metabolic acidosis (1+6+3)

Short Notes

(5x8=40)

2. Describe the endocrine functions of kidney
3. Explain the tests of hemostasis
4. Describe renal circulation and its special features
5. Define renal clearance and describe the renal clearance tests
6. Describe the factors affecting glomerular filtration rate
