

**QP CODE: 201023**

**Reg. No: .....**

**Second Year B.Sc Dialysis Technology Supplementary Examinations  
December 2022**

**Paper 1 –Applied Anatomy and Physiology Related to Dialysis**

**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. (a) Describe the functional anatomy and innervation of urinary bladder with help of a diagram  
(b) Describe micturition reflex and functional abnormalities of urinary bladder

**Short Notes**

**(8x10=80)**

2. Describe the structure of juxtaglomerular apparatus with a labelled diagram and list its functions
3. Describe the blood supply of the kidney and list its peculiarities
4. Discuss the characteristics of glomerular filtration membrane. Add a note on determinants of GFR
5. Discuss the development of kidney.
6. Describe the renal mechanisms of conserving bicarbonate
7. Describe and discuss renal function tests
8. Write about palmar arches.
9. Define Haemostasis. Discuss briefly the steps in Haemostasis.

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