

Second Year B.Sc Dialysis Technology Regular Examinations
June 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 gross anatomy and Histology of kidney.
- b) Describe the mechanism of urine formation

Short Notes

(8x10=80)

2. Radial artery.
3. Write about Clearance methods to measure GFR and Renal blood flow
4. Explain Autoregulation of GFR and Renal blood flow
5. Describe the renal handling of water. Explain obligatory and facultative reabsorption of water
6. Describe acidosis and alkalosis
7. Mention the clotting factors. Discuss about blood coagulation tests
8. Write in detail about Femoral artery
9. Veins of lower limb.
