

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

Paper III – Applied Aspects of Pathology and Microbiology 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: 214023

Applied Aspects of Pathology

Max. Marks: 50

Essay

(10)

1. Define anemia. Mention its types. Discuss the clinical features and laboratory findings in anemia.

Short Notes

(5x8=40)

2. Systemic effects of inflammation.
3. Pathology of kidney in diabetes mellitus.
4. Define shock and describe the types of shock.
5. End stage renal disease.
6. Define necrosis. List the differences between necrosis and apoptosis.

QP CODE: 215023

Applied Aspects of Microbiology

Max. Marks: 50

Essay

(10)

1. Write the risk factors and etiological agents associated with catheter associated blood stream infections. How will you diagnose the condition. Add a note on preventive measures. (2+2+4+2)

Short Notes

(5x8=40)

2. What do you mean by health care associated infections. Name the common infections and list the agents involved
3. Modes of transmission of HIV.
4. How will you manage blood spills
5. Write the contact precautions to be taken in health care settings. Write the steps of hand washing
6. Discuss the markers of Hepatitis B infection
