

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

**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 shock and describe the types of shock. List the stages of shock.

Short Notes

(5x8=40)

2. What is Leukocytosis. List the causes of Leukocytosis.
3. Congenital abnormalities of urinary tract.
4. Classify glomerular diseases.
5. Factors affecting wound healing.
6. Pathology of Urinary tract infections..

QP CODE: 215023

Applied Aspects of Microbiology

Max. Marks: 50

Essay

(10)

1. Enumerate the viruses transmitted through blood and body fluids. Describe in detail morphology, pathogenesis and laboratory diagnosis of Hepatitis B virus. (2+2+3+3)

Short Notes

(5x8=40)

2. Describe the laboratory diagnosis of HIV virus and add note on NACO strategy.
3. Enumerate the fungi causing opportunistic mycoses in dialysis patient. Describe in detail pathogenesis and laboratory diagnosis of candidemia in dialysis patient.
4. Write the bundle care approach to prevent catheter associated UTI (CAUTI).
5. Enumerate the etiological agents causing catheter site infection describe in detail the specimen collection and transport to diagnose catheter site infection write a note on contact precautions.
6. Describe in detail post exposure prophylaxis for needle stick injury.
