

Reg. No: .....

**Second Year B.Sc Dialysis Technology Degree Supplementary  
Examinations June 2025**

**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. Causes, types and pathology of glomerular diseases

**Short Notes**

**(5x8=40)**

2. Causes of cell injury. Mention about the different adaptations to cell injury
3. Pathophysiology of thrombus
4. Types and etiopathogenesis of tubulointerstitial diseases of kidney
5. Pathology of kidney in diabetes mellitus
6. Describe different types of anemia with lab findings

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**QP CODE: 215023**

**Applied Aspects of Microbiology**

**Max. Marks: 50**

**Essay**

**(10)**

1. Enumerate the blood borne viral infections in dialysis patients, write in detailed its clinical features, lab diagnosis and prophylaxis of Hepatitis B infection (3+2+2+3)

**Short Notes**

**(5x8=40)**

2. Discuss the standard precautions in health care settings
3. Define health care associated infection and bundle care approach of CAUTI
4. Mode of transmission and clinical manifestations of HIV infection
5. Write in detail the measures to be taken following a needle stick injury
6. Opportunistic infections in dialysis patient

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