

Reg. No: .....

**Second Year B.Sc Dialysis Technology Regular/Supplementary Examinations March 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 oedema. Discuss the causes of oedema formation. List the differences between transudate and exudates.

**Short Notes**

**(5x8=40)**

2. Granulomatous inflammation.
3. Congenital abnormalities of urinary system.
4. Pathology of kidney in hypertension.
5. Define gangrene. Discuss the types of gangrene.
6. Hemophilia-etiology, types, clinical features and lab findings.

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**QP CODE: 215023**

**Applied Aspects of Microbiology**

**Max. Marks: 50**

**Essay**

**(10)**

1. Write the mode of transmission and clinical manifestations of HIV. Write in detail the laboratory diagnosis. Explain the measures to be taken following needle stick injury.

**(2+2+4+2)**

**Short Notes**

**(5x8=40)**

2. Discuss the preventive measures of hepatitis B infection. Write about Hepatitis B vaccine
3. Enumerate the opportunistic infections in dialysis patients
4. Write the risk factors and prevention of catheter related blood stream infections.
5. Discuss the standard precautions in health care settings
6. Write the agents causing catheter associated urinary tract infection. How will you collect urine for culture from catheterised patients

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