

B.Sc. Allied Health Sciences Second Year Semester-IV

March 2023 Examination

B.Sc. Renal Dialysis Technology

Time: 3 Hrs.

Paper – I

[Max. Marks: 100]

Applied Pathology & Microbiology related to Dialysis Technology

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

(Use separate answer booklet for Section A & B)

Section – A

Applied Pathology (50 Marks)

Q.P Code : J4505

LONG ESSAY

2 X 10 = 20 Marks

1. Classify renal diseases. Write briefly on congenital abnormalities of urinary system
2. Classify glomerular diseases and describe etiopathogenesis, clinical features and laboratory findings in post streptococcal glomerulonephritis.

SHORT ESSAY (Answer any three)

3 X 5 = 15 Marks

3. Describe etiopathogenesis of end stage renal disease
4. Renal changes in hypertension
5. Describe etiopathogenesis and laboratory findings in acute tubular necrosis.
6. Tuberculous pyelonephritis
7. Renal changes in diabetes mellitus

SHORT ANSWERS (Answer any five)

5 X 3 = 15 Marks

8. Sclerosing Peritonitis
9. Azotemia
10. Proteinuria
11. Pathology of kidney in pregnancy
12. Nephritic syndrome
13. Bence Jones Proteins
14. Minimal Change Disease

Section – B

Applied Microbiology (50 Marks)

Q.P Code : J4506

(Use separate answer booklet for Section-B)

LONG ESSAY

2 X 10 = 20 Marks

1. Explain the pathogenesis and laboratory diagnosis of Hepatitis B viral infection.(5+5)
2. List the agents causing Catheter related blood stream infection (CRBSI). How to diagnose and prevent it.(2+3+5)

SHORT ESSAY (Answer any three)

3 X 5 = 15 Marks

3. Standard Precautions.
4. Blood culture.
5. Hepatitis C virus. - Pathogenesis and laboratory diagnosis.
6. Laboratory diagnosis of HIV infection
7. Five Moments of Hand Hygiene

SHORT ANSWERS (Answer any five)

5 X 3 = 15 Marks

8. Management of blood spill
9. Name three bacteria causing urinary tract infection.
10. Modes of transmission of Human immunodeficiency virus
11. Mention three different methods of urine collection in suspected urinary tract infections
12. Needle stick injury
13. Segregation of Biomedical Waste
14. Name three cell wall acting antibiotics