



SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

A DEEMED TO BE UNIVERSITY

BSc Allied Health Sciences Second Year (Semester IV)

September 2025 Examination

BSc Renal Dialysis Technology (RDT)

Time: 2.30 hrs

(Max marks 80)

Sec-A

Applied Pathology (40 Marks)

Q.P.Code: K4485

Your answers should be specific to the questions asked

Draw neat labeled diagram wherever necessary

Long Essay

1x10 = 10 Marks

1. Write a note on hypertension. Describe renal changes in hypertension?

Short Essay

3x5 = 15 Marks

2. Discuss in brief Adult Polycystic kidney disease
3. Write the difference between nephritic and nephrotic syndrome
4. List congenital anomalies of kidney, urinary bladder and ureters

Short Answers

5x3 = 15 Marks

5. Tubercular pyelonephritis
6. Morphology of hydronephrosis
7. Sclerosing peritonitis
8. Define Acute renal failure and write 3 causes
9. Casts in urine

Sec-B

Applied Microbiology (40 Marks)

Q.P Code: K4486

LONG ESSAY

1 X 10 = 10 Marks

1. Describe the mode of transmission, clinical features and laboratory diagnosis of Hepatitis B virus infection.(2+3+5)

SHORT ESSAY

3 X 5 = 15 Marks

2. Describe the clinical features and laboratory diagnosis of Cryptococcosis.(2.5+2.5)
3. Laboratory diagnosis of Pulmonary tuberculosis.
4. Enumerate the five moments of Hand hygiene. Describe the steps of Hand Hygiene.(2+3)

SHORT ANSWERS

5 X 3 = 15 Marks

5. Enumerate the microbial agents causing blood stream infection.
6. Enumerate the three microbial agents causing Urinary tract infection.
7. Enumerate the personal protective equipment used by the dialysis technician during dialysis.
8. Describe the modes of transmission of Hepatitis C virus.
9. Segregation of Biomedical waste.

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

September 2025 Examination
B.Sc. Renal Dialysis Technology (RDT)

Time: 2.30 Hrs.

[Max. Marks: 80]

Concept of Renal Disease and its Management

Q.P Code: K4490

Your answers should be specific to the questions asked.

Draw neat, labelled diagrams wherever necessary.

LONG ESSAY

2X10=20 Marks

1. Describe pathogenesis, clinical manifestations of renal stone and its management.
2. Discuss the renal changes in pregnancy and write briefly on preeclampsia.

SHORT ESSAY

6X5=30 Marks

3. Etiology and management of Obstructive uropathy.
4. Cystic diseases of the kidney.
5. Alport syndrome.
6. Renal cell carcinoma.
7. Classification of nutrients.
8. Wilms tumor.

SHORT ANSWERS

10X3=30 Marks

9. Diet in renal stone
10. Name three water-soluble vitamins.
11. Name three fat-soluble vitamins.
12. Vitamin-D.
13. Treatment of hyperphosphatemia.
14. Bartter's syndrome.
15. Horseshoe kidney
16. Normal serum levels of creatinine, urea, calcium.
17. Name three water contaminant harmful for dialysis patients.
18. Name three inherited disease of the kidney.

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