



**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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