



SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

A DEEMED TO BE UNIVERSITY

BSc Allied Health Sciences Second Year (Semester IV)

September 2024 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. Classify glomerular diseases and describe etiopathogenesis and morphology of membranoproliferative glomerulonephritis

Short Essay

3x5 = 15 Marks

2. Renal changes in diabetes mellitus
3. Describe etiopathogenesis and morphology in hydronephrosis
4. Describe etiopathogenesis and morphology Acute tubular necrosis

Short Answers

5x3 = 15 Marks

5. Sclerosing peritonitis
6. Nephrotic syndrome
7. Minimal change disease
8. Uremia
9. Bence Jones Proteins

Sec-B

Applied Microbiology

Q.P Code : K4486

(Use separate answer booklet for section-B)

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. Laboratory diagnosis of Urinary tract infection.
3. Laboratory diagnosis of Human immunodeficiency virus.
4. Describe the predisposing factors and the preventive measures for Central line associated blood stream infection.(2+3)

SHORT ANSWERS

5 X 3 = 15 Marks

5. Segregation of Biomedical waste.
6. Five moments of Hand hygiene
7. Enumerate the common opportunistic infection.
8. Enumerate the Hepatotropic viruses.
9. Enumerate the personal protective equipment used in blood spill management.

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B.Sc. Renal Dialysis Technology (RDT)

Time: 2:30Hrs

[Max. Marks :80]

Paper-II

CONCEPT OF RENAL DISEASE AND ITS MANAGEMENT

Q.P Code: K4490

Your answers should be specific to the questions asked.

Draw neat labelled diagram whenever necessary.

LONG ESSAY

2*10=20 Marks

1. Discuss about pregnancy associated renal diseases.
2. Classify the congenital & inherited renal diseases. Write briefly on Autosomal Dominant Polycystic Kidney Disease (ADPKD).

SHORT ESSAY

6*5=30 Marks

3. Classify nutrients in detail
4. Alport syndrome.
5. Explain mineral bone diseases in chronic kidney diseases
6. Hemolysis, elevated liver enzymes, low platelet count (HELLP) syndrome.
7. Renal cell carcinoma.
8. Medullary sponge kidney.

SHORT ANSWERS

10*3=30 Marks

9. Normal serum levels of creatinine, urea, and potassium.
10. Mention a few food items low in potassium.
11. Name few food items high in phosphorous.
12. Iron indices and their target values in CKD
13. Mention few commonly used antihypertensive drugs.
14. Bartter's syndrome.
15. Normal serum levels of PTH, calcium and vitamin-D.
16. Three causes of haematuria.
17. Three drugs used for treatment of preeclampsia.
18. Percentage of distribution of proteins, carbohydrates and fat in healthy adult food.

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