

B.SC. RENAL DIALYSIS TECHNOLOGY-III SEMESTER

SEPTEMBER 2021

Time: 3 Hours

Max. Marks: 60

CONCEPTS OF RENAL DISEASE AND ITS MANAGEMENT

Q.P. Code:0115

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.

Question Number

Marks

LONG ESSAY QUESTIONS(Answer any TWO):

2 X 10 = 20

1. Define and discuss causes, investigations and treatment of obstructive Uropathy.
2. Discuss urinary tract infections:
 - a) Definition
 - b) Causes
 - c) Investigations
 - d) Treatment

SHORT ESSAY QUESTIONS(All are compulsory):

5 X 5= 25

3. Write about treatment of Nephrotic syndrome.
4. How do you investigate tumours of kidney?
5. When do you consider for renal replacement therapy (dialysis) in AKI (Acute kidney injury).
6. What are treatment options in chronic kidney disease stage V (requiring haemodialysis)
7. What are the tests done for investigation of chronic kidney disease?

SHORT ANSWER QUESTIONS(All are compulsory):

5 X 3 = 15

8. What is medical line of treatment of renal stone disease?
9. Define Nephrotic syndrome and its causes and brief treatment.
10. What is asymptomatic urinary tract infection and in whom it is common.
11. List the complications of acute renal failure.
12. Define BPH and its causes and brief treatment.

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APPLIED ASPECTS OF PATHOLOGY AND MICROBIOLOGY

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

Use separate answer books for Section A and Section B

SECTION A : APPLIED ASPECTS OF PATHOLOGY Q.P. CODE : 0116 [30 Marks]

Question Number

Marks

LONG ESSAY QUESTIONS (Answer any ONE):

1 X 10 = 10

1. Classify Glomerulonephritis. Add a note on post streptococcal Glomerulonephritis.
2. Classify polycystic kidney disease. Add a note on renal dysplasia.

SHORT ESSAY QUESTIONS (Answer any TWO):

2 X 5 = 10

3. Nephrotic syndrome.
4. Tubercular pyelonephritis.
5. Renal pathology in diabetes mellitus.

SHORT ANSWER QUESTIONS (All are compulsory):

5 X 2 = 10

6. Gross of pyelonephritis.
7. Benign nephrosclerosis.
8. Nephrotic syndrome.
9. Hydronephrosis-gross finding in kidney.
10. Microscopy of chronic glomerulonephritis.

SECTION B : MICROBIOLOGY ...Q.P. CODE : 0117 [30 Marks]

Question Number

Marks

LONG ESSAY QUESTIONS (Answer any ONE):

1 X 10 = 10

1. List the micro-organisms causing opportunistic infections. Describe their mode of transmission and pathogenesis.
2. Discuss vascular access infections in detail. Add a note on sample collection method for culture and sensitivity.

SHORT ESSAY QUESTIONS (Answer any TWO):

2 X 5 = 10

3. Enlist the bacteria causing urinary tract infections. Write their mode of transmission.
4. Discuss universal safety precautions.
5. Describe the mode of transmission of Hepatitis viruses.

SHORT ANSWER QUESTIONS (All are compulsory):

5 X 2 = 10

6. Write a note on transfusion associated infections.
7. Draw a labeled diagram of HIV.
8. Write the mode of transmission of hepatitis A, Hepatitis B and Hepatitis C and Hepatitis E viruses.
9. Describe the precautions to be taken while collecting samples for culture and sensitivity.
10. Write the modes of transmissions of HIV.