

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0922]

**SEPTEMBER 2022
(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)**

Sub. Code: 2502

**DIPLOMA IN DIALYSIS TECHNOLOGY
FIRST YEAR (Regulations from 2014-2015 & 2018-2019)
PAPER II – INTRODUCTION TO KIDNEY DISEASES
Q. P. Code: 842502**

Time: Three hours

Maximum : 100 Marks

Answer ALL Questions

I. Elaborate on:

(3 x 10 = 30)

1. Discuss the pathophysiology, signs and symptoms, diagnosis and treatment of Acute Kidney Injury. List out the indications for dialysis therapy in Acute Kidney Injury.
2. Write in detail about the pathophysiology, signs and symptoms, diagnosis and treatment of Diabetic Nephropathy.
3. Discuss the causes, pathogenesis, signs and symptoms, diagnosis and treatment of Continuous Ambulatory Peritoneal Dialysis (CAPD) peritonitis.

II. Write notes on:

(10×5=50)

1. Name the methods of estimation of GFR.
2. What are the etiology of hypertension in chronic kidney disease?
3. Describe the clinical approach to proteinuria.
4. Explain the steps involved in ACLS.
5. Write the Pathophysiology and treatment of Tuberculous pyelonephritis.
6. Explain the pathogenesis of UTI.
7. Mention the prescription for SLED.
8. Describe the various types of Plasmapheresis.
9. Define renal calculi. Explain the types of renal calculi.
10. Explain the types, pathophysiology and symptoms of Glomerular Disease.

III. Short answers on:

(10×2=20)

1. Define Pyuria.
2. BUN.
3. What is dialysis steel syndrome?
4. Principle of ESWL.
5. Name four drugs that produce AKI.
6. Define Polycystic Kidney disease.
7. Hybrid dialysis.
8. Types of CRRT.
9. What is Erythropoietin?
10. Four causes of Chronic Kidney Diseases.
