



**GOVERNMENT OF KERALA
DIRECTORATE OF MEDICAL EDUCATION
DIPLOMA IN DIALYSIS TECHNOLOGY
REGULAR & SUPPLEMENTARY EXAMINATIONS APRIL, 2024
DDT-I-APR-2024**

Time : 3 hrs.

Max.marks : 100

Paper –I

FUNDAMENTALS OF NEPHROLOGY & DIALYSIS TECHNOLOGY

(Draw diagrams wherever necessary)

- I. Write an essay on: (2X15=30)
- a. Anticoagulation during hemodialysis, its monitoring, advantages and disadvantages
 - b. Discuss various stages of Dialyzer reuse, its advantages and disadvantages.
- II. Write short notes on : (7x10=70)
- a. Ultrafiltration during Dialysis
 - b. Dialysis Disequilibrium Syndrome
 - c. Urea Reduction Ratio
 - d. Access Recirculation
 - e. Hemodialysis in a patient with HIV infection
 - f. Acetate and Bicarbonate Dialysis
 - g. Reverse Osmosis System

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Paper –II

Max.marks : 100

RECENT ADVANCES IN NEPHROLOGY & DIALYSIS TECHNOLOGY

(Draw diagrams wherever necessary)

- I. Write an essay on : (2x15=30)
- a. Continuous Renal Replacement Therapy
 - b. Continuous Ambulatory Peritoneal Dialysis.
- II. Write short notes on: (7x10=70)
- a. High Flux & High Efficiency Dialysis
 - b. Plasmapheresis
 - c. Sorbents in Dialysis
 - d. Tidal Peritoneal Dialysis
 - e. Pediatric Hemodialysis
 - f. Universal Care against Hepatitis
 - g. Nocturnal Dialysis

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