



**GOVERNMENT OF KERALA**  
**DIRECTORATE OF MEDICAL EDUCATION**  
**DIPLOMA IN DIALYSIS TECHNOLOGY REGULAR EXAMINATIONS MAY 2023**

**DDT-I-MAY-2023**

Time : 3 hrs.

Paper –I

Max.marks : 100

**FUNDAMENTALS OF NEPHROLOGY**

(Draw diagrams wherever necessary)

I. Write an essay on: (2X15=30)

- a. Water treatment system for Hemodialysis
- b. Anticoagulation during hemodialysis, its monitoring, advantages and disadvantages

II. Write short notes on : (7x10=70)

- a. Access Recirculation
- b. Dialyzers
- c. Acetate and Bicarbonate Dialysis
- d. Dialysis Disequilibrium Syndrome
- e. AV Fistula
- f. Urea Reduction Ratio
- g. Hemodialysis in a patient with HIV infection

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Paper –II

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**RECENT ADVANCES IN NEPHROLOGY & DIALYSIS TECHNOLOGY**

(Draw diagrams wherever necessary)

- I. Write an essay on : (2x15=30)
- a. Complications of Peritoneal Dialysis
  - b. Continuous Renal Replacement Therapy
- II. Write short notes on: (7x10=70)
- a. Hemoperfusion
  - b. Plasmapheresis
  - c. AV Graft
  - d. Pediatric Hemodialysis
  - e. High Flux & High Efficiency Dialysis
  - f. Air Bubble Detector
  - g. Regional Anticoagulation

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