

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

[LR 1220]

**DECEMBER 2020
(AUGUST 2020 EXAM SESSION)**

Sub. Code: 2511

DIPLOMA IN DIALYSIS TECHNOLOGY

SECOND YEAR – (Regulation from 2014 -2015 & 2018-2019)

PAPER I – INTRODUCTION TO DIALYSIS – PART I

Q.P. Code: 842511

Time : Three Hours

Maximum : 100 Marks

Answer All Questions.

I. Elaborate on:

(3 x 10 = 30)

1. Explain in detail about the Dialysate composition and Extracorporeal Dialysate Circuit with diagram.
2. Describe Anticoagulation in HD with special note on monitoring Anticoagulation in Circuits.
3. Describe RO plant with schematic diagram.

II. Write notes on:

(10 x 5 = 50)

1. Exit site care in Peritoneal Dialysis.
2. How to monitor water quality in your RO unit?
3. Saline Dialysis.
4. Causes of Blood clotting in a Dialysate circuit.
5. Diet in Renal failure patients.
6. Management of Chest pain during Dialysis.
7. Uraemia- signs and symptoms.
8. Complications of AV Fistula.
9. Antibiotic lock in Catheter.
10. Emergency indications for Hemo dialysis.

III. Short answers on:

(10 x 2 = 20)

1. Managing Hypoglycemia during Haemo dialysis.
2. Buffers in Dialysate fluid.
3. Define Dry weight.
4. Heparin free Dialysis.
5. Expand TMP and ABD.
6. Tunnel infection.
7. Vaccinations of HD patient.
8. Isolated Ultrafiltration.
9. Types of Permanent access.
10. Name the active form of Vitamin D and the normal Calcium concentration.
