

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

[AHS 0922]

SEPTEMBER 2022
(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

Sub. Code: 2511

DIPLOMA IN DIALYSIS TECHNOLOGY
SECOND YEAR (Regulations 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. Enumerate the complications of Hemodialysis. What are all the causes of Intradialytic Hypotension and how will you manage?
2. Draw a diagram of RO Plant and explain its components.
3. Vascular access – Types, care during Hemodialysis and complications.

II. Write notes on: **(10×5=50)**

1. Dialyzer reuse.
2. Principles of Hemodialysis.
3. Dialysis Disequilibrium syndrome.
4. Dialysate Fluid composition.
5. Hepatitis B vaccination schedule for HBV patient and Dialysis Technician.
6. Dialyzer membrane.
7. Allergic reaction during Hemodialysis.
8. CRRT – advantages and disadvantages.
9. Plasmapheresis.
10. Catheter Related Blood Stream Infection (CRBSI).

III. Short answers on: **(10×2=20)**

1. Emergency indications of Hemodialysis in CKD.
2. Iso UF.
3. Slow Low Efficiency Dialysis (SLED).
4. Conductivity in Hemodialysis machine.
5. Renalin and its use.
6. AAMI standards of RO water.
7. Rule of 6 in AV Fistula.
8. Causes of muscle cramps during HD.
9. Target weight.
10. Treatment of Hyperkalemia.
