

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

[AHS 0423]

APRIL 2023

Sub. Code: 2512

DIPLOMA IN DIALYSIS TECHNOLOGY
SECOND YEAR (Regulations 2014-2015 & 2018-2019 onwards)
PAPER II – INTRODUCTION TO DIALYSIS – PART II

Q. P. Code: 842512

Time: Three hours

Maximum : 100 Marks

Answer ALL Questions

I. Elaborate on: (3 x 10 = 30)

1. Define Hemodialysis. What are the various forms of Hemodialysis? Describe the starting of Hemodialysis to closing of Hemodialysis procedure.
2. Write about the standards of Practice in Dialysis Unit and detail the NABH recommendation to be followed in Dialysis Unit.
3. Discuss Acute Kidney injury. Explain the causes and pathophysiology of AKI. Write in detail about the drugs used for AKI.

II. Write Notes On: (10 x 5 = 50)

1. Principles of Asepsis.
2. Differentiate the merits and demerits of Hemodialysis and Peritoneal Dialysis.
3. Describe the factors affecting Dialysis treatment.
4. Define Uremia. What are all the signs and Symptoms of Uremia?
5. Write about the Erythropoietin use in patient on Dialysis.
6. What is Ultra Filtration Failure in Peritoneal Dialysis and its management?
7. Write about the causes of Blood clotting in Dialysis Unit.
8. Exit site care in Peritoneal Dialysis.
9. What are all the High Flux and High Efficiency Dialyzers?
10. Write about the Temporary and Permanent Vascular Accesses.

III. Short Answers on: (10 x 2 = 20)

1. Define Plasmapheresis.
2. List down the infectious complication of Peritoneal dialysis.
3. What is GFR?
4. What are all the steps of Basic Life Support?
5. Define Osmosis.
6. Methods of Cooking for Renal Failure Patient.
7. What is Fistula First Initiative?
8. Contraindication of CAPD.
9. Mention the four lab data and their normal values.
10. Write four Nephrotoxic drugs.
