

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

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Discuss in detail various complications that can occur during dialysis and its management.
2. What are the various types of vascular access available for Hemodialysis? Discuss the complications that can occur in each of them and how to manage the complications.
3. What do you mean by Reverse Osmosis and discuss the role of RO plant in dialysis.

II. Write notes on:

(10 x 5 = 50)

1. Explain in brief the Dialysis delivery system.
2. What are the complications that can happen when Dialyzing children and Neonates?
3. Discuss the various modalities of CRRT and its advantages over Conventional Hemodialysis.
4. Explain the role of Carbon filters in water treatment system.
5. How will you manage a patient with fever and rigor during dialysis?
6. Discuss the role of computers in Dialysis unit.
7. Universal precautions.
8. What are the safety monitors available in Dialysis machine?
9. What do you mean by sodium profiling and Ultrafiltration profiling? Discuss its benefits.
10. What are the differences between AV fistula and AV graft.

III. Short answers on:

(10 x 2 = 20)

1. What do you mean by Kt/V?
2. What are the chemical impurities in untreated water?
3. What are the disadvantages of dialyzer reprocessing?
4. Composition of dialysate.
5. How will you identify peritonitis?
6. How will you prevent catheter related infection?
7. What do you mean by high flux dialysis?
8. Define diffusion and convection.
9. List 3 indications for dialysis in acute renal failure.
10. Importance of Endotoxin in dialysis.
