

**DIPLOMA IN DIALYSIS TECHNOLOGY**

**SECOND YEAR**

**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 about the Reverse Osmosis plant with schematic diagram.
2. Draw and describe extra corporeal dialysis circuit.
3. Enumerate the acute complications of Haemodialysis.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Dialysis disequilibrium syndrome. What precaution will you take to avoid it?
2. Access Recirculation.
3. Structure of the kidney.
4. Alarms in HD machine.
5. Monthly biochemical test in HD.
6. What is CRRT and its indications?
7. Dialysis reaction.
8. Types of cannulation.
9. Principles of Hemodialysis.
10. Describe uraemic syndrome.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Acute renal failure.
2. Iron administration.
3. Define osmosis.
4. Urea Reduction Ratio (URR).
5. What is CRRT?
6. Contraindications for CAPD.
7. Mention few nephrotoxic drugs.
8. Dialyser types.
9. Disinfection of dialyser.
10. Fibre Bundle volume.