

**DIPLOMA IN DIALYSIS TECHNOLOGY****SECOND YEAR****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. 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 in detail about the Indication, contraindication and complication of CAPD.

**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. Hypotension during dialysis.
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. Managing hypoglycemia during haemodialysis.
2. Buffers in dialysate fluid.
3. Define dry weight.
4. Heparin free dialysis.
5. Expand TMP and ABD.
6. Tunnel infection.
7. Vaccinations in HD patient.
8. Isolated ultrafiltration.
9. Types of permanent access.
10. Name the active form of vitamin D and the normal calcium concentration.