

B.Sc. DIALYSIS TECHNOLOGY
THIRD YEAR
PAPER I – DIALYSIS TECHNOLOGY

Q.P. Code: 801321

Time: Three Hours

Maximum: 100 Marks

Answer all questions

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

1. Mention the various modes of renal replacement therapy. Indications, advantages and disadvantages of each mode of renal replacement therapy.
2. Draw, label and explain the hemodialysis circuit.
3. Elaborate the causes of anaemia in a patient on hemodialysis and management.

II. Write notes on: **(8 x 5 = 40)**

1. Adequacy of hemodialysis.
2. Peritonitis in peritoneal dialysis patient.
3. Causes of hypotension during HD.
4. Water treatment plant.
5. Hemodialfiltration.
6. Reuse of dialyzer.
7. Management of hyperkalemia.
8. Plasmapheresis.

III. Short answers on: **(10 x 3 = 30)**

1. Vaccinations given in Dialysis patients.
2. Steps in hand hygiene.
3. Ultrapure water.
4. Causes of fever during dialysis.
5. Peritoneal equilibration test.
6. Techniques used to cannulate AV fistula.
7. Newer Peritoneal dialysis fluids.
8. First use syndrome.
9. Catheter related blood stream infection.
10. Indications for CRRT.
