

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

[AHS 1123]

NOVEMBER 2023

Sub. Code: 1321

B.Sc. DIALYSIS TECHNOLOGY
THIRD YEAR (Regulation 2010-2011 onwards)
PAPER I – DIALYSIS TECHNOLOGY
Q.P. Code: 801321

Time: Three Hours

Answer ALL questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Explain in detail about Non-infectious complications of CAPD.
2. What are the psychosocial problems faced by dialysis patients? Explain about the need for counselling in ESRD patients.
3. Enumerate the principle of hemodialysis and peritoneal dialysis.

II. Write notes on:

(8 x 5 = 40)

1. If a patient comes in unconscious state to dialysis unit, what are the vital things to be checked? Give the normal and abnormal values of vitals to be measured.
2. Etiology of Intradialysis hypotension and hypertension and how will you manage it?
3. What is Kt/V binding? How to measure it?
4. Factors to be considered before blood transfusion and complications of blood transfusion.
5. What is Automated Peritoneal Dialysis and indications of APD over CAPD?
6. What is CRRT? Explain its uses.
7. Types of vascular access for Hemodialysis.
8. Exit Site infection in CAPD.

III. Short answers on:

(10 x 3 = 30)

1. Contraindications of Anticoagulant in dialysis patient.
2. How to manage cramps?
3. Dietary recommendations for patients in PD.
4. What are the indications for RRT?
5. Types of solution used in peritoneal dialysis.
6. What are the precautions to be taken to prevent seroconversion in hemodialysis unit?
7. Composition of dialysate.
8. Differentiate between CAPD and APD.
9. Define Plasmapheresis.
10. How to prevent peritonitis in peritoneal dialysis?
