

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)**

**B.Sc. (RENAL DIALYSIS TECHNOLOGY) DEGREE
EXAMINATION – February 2020
Third Year**

APPLIED DIALYSIS TECHNOLOGY – PAPER II

Time: Three hours

Maximum: 75 marks

I. Write an essay on any ONE of the following: (1 x 20 = 20)

- 1.Explain in detail about the causes and management of anaemia in hemodialysis patients.
- 2.Describe the different techniques of extracorporeal therapy and its indications in drug overdose. Outline the management of barbiturate overdose.

II. Write short essays on any TWO of the following: (2 x 10 = 20)

3. Write in detail about nutritional assessment and management for dialysis patient.
4. Explain about the water treatment system for hemodialysis unit.
5. Write about different types of infections in hemodialysis unit and various strategies to prevent them.
6. What are the problems associated with dialyzing diabetic patients? Explain the merits and demerits of the various modalities of dialysis in diabetic patients.

III. Write short answers on any SEVEN of the following: (7 x 5 = 35)

7. Hypertension in hemodialysis patients
8. Aluminum toxicity
9. Mineral bone disease in dialysis patients
10. Complications of Plasmapheresis
11. Sleep disorders in dialysis patients
12. Management of pregnant dialysis patient
13. MARS (Liver dialysis)
14. Hemodialysis in infants and children
15. Sodium modeling in hemodialysis
16. Quality assurance in dialysis