

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

**B.Sc. (RENAL DIALYSIS TECHNOLOGY) DEGREE  
EXAMINATION – August 2019  
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 bone diseases in chronic kidney disease patients on Maintenance Hemodialysis.
2. Explain Plasmapheresis. Give an account of its indications, complications, contraindications and techniques of plasmapheresis.

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

3. Write a note on continuous renal replacement therapy in ICU.
4. Give an account on water treatment for hemodialysis.
5. Describe about the infection control measures and universal precautions to be taken in dialysis unit?
6. Write about of dialyser reprocessing and mention the advantages and disadvantages of dialyser reuse.

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

7. Sustained low efficiency dialysis.
8. Dialysis for poisoning and drug over dosage.
9. What are hypersensitivity reactions in Hemodialysis?
10. Psychological aspects of dialysis.
11. Hemodialysis in infants.
12. Nutritional requirements of a dialysis patient.
13. Nocturnal Hemodialysis.
14. What are the advantages and disadvantages of Hemodiafiltration?
15. Write a note on prevention of dialysis rigor.
16. Monitoring and management of diabetes mellitus in dialysis patients.