

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

**B.Sc. (RENAL DIALYSIS TECHNOLOGY) DEGREE
EXAMINATION – March 2019
Third Year**

APPLIED DIALYSIS TECHNOLOGY: PAPER - I

Time: Three hours

Maximum: 75 marks

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

1. Write in detail on physiology of PD and types of modalities in PD.
2. Write in detail on types of vascular access, its complications and its management.

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

3. Write a short note on anticoagulation types and its complications.
4. Write a note on indications and principles of hemodialysis.
5. What are the acute complications during hemodialysis? Add a note on it.
6. Write in detail on diagnosis of peritonitis and add a note on exit site and tunnel infection.

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

7. Write a note on machine monitoring during dialysis.
8. Types of dialysate and its composition.
9. Write a note on PD adequacy.
10. Heparin free dialysis, its indication and protocol.
11. Write a note on types of dialysers.
12. What is ultra filtration failure and types?
13. What are the types of transporters in PD?
14. Acute HD prescription.
15. What is encapsulated peritoneal sclerosis?
16. Write a note on anemia in CKD dialysis patients.