

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

**B.Sc. (RENAL DIALYSIS TECHNOLOGY) DEGREE
EXAMINATION – September 2021
Second Year**

**PHARMACOLOGY RELATED TO DIALYSIS
TECHNOLOGY**

Time: Three hours

Maximum: 75 marks

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

1. Classify antihypertensive drugs and write the mechanism of any four antihypertensive drugs.
2. Explain in detail about potassium exchange resin related to mode of administration.

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

3. Classify diuretics and explain about loop diuretic drugs.
4. How lithium and phenobarbitone are dialysed.
5. Role of erythropoietin in renal failure patient.
6. Explain about peritoneal dialysis fluid.

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

7. Diagnosis and treatment of kidney failure.
8. Hemodiafiltration.
9. Therapeutic value of phosphate binders.
10. LMWH (low molecular weight heparin).
11. Role of formalin as disinfectant and adverse effect.
12. Mention the uses of bicarbonate in dialysis.
13. Write the purpose and medical uses of protamine.
14. Write some common dialysis drugs.
15. Write about vasopressor drugs.
16. Mechanism of thiazide diuretic.