

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

B.Sc. (RENAL DIALYSIS TECHNOLOGY) DEGREE
EXAMINATION – August 2019
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. Discuss in detail the mechanism and side effects of any three antihypertensive drugs used for dialysis patients.
2. Mention the anticoagulation techniques used in hemodialysis and discuss its mechanism, indication, contraindication, side effects and complications.

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

3. Discuss the chemicals used in the dialysis room for sterilization. Describe their composition and mechanism of action.
4. Explain about the composition of haemodialysis and peritoneal dialysate concentrate.
5. Write in detail on dialyzable drugs and management of drug over dosage and poisoning.
6. Write in detail on commonly used IV fluids in dialysis patients.

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

7. Carnitine
8. Protamine sulphate
9. Inotropic agents
10. Loop diuretics
11. IV. Iron preparations
12. Erythropoietin and its uses
13. Low molecular weight heparin
14. Phosphate binders used in dialysis patients
15. Use of Vasodilators
16. Drugs used in Hypotension