

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

**B.Sc. (RENAL DIALYSIS TECHNOLOGY) DEGREE**  
**EXAMINATION – February 2020**  
**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 diuretics and write the mechanism of loop and potassium sparing diuretics with uses.
2. Explain about peritoneal dialysis fluid of hypertonic solutions.

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

3. Classify antihypertensive drugs and write the mechanism of ACE inhibitor and calcium channel blocker.
4. Explain about phenobarbitone in dialyable drugs.
5. Write the composition and dilution related to haemodialysis concentrate.
6. Describe about erythropoietin process.

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

7. IV fluid therapy.
8. Mechanism and uses of vasopressor.
9. List of drugs used in dialysis.
10. Write the benefits, deficiency and therapeutic value of vitamin D.
11. Heparin.
12. Protamine sulfate.
13. Role of hydrogen peroxide.
14. How formalin is used as disinfectant.
15. Drugs used in hypotension with its contraindication.
16. Factors influencing dialyzability.

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