

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

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

**APPLIED ANATOMY & PHYSIOLOGY 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. Explain the nerve supply to urinary bladder.
2. Explain the mechanism of urine formation.

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

3. Write the physiological ranged of urine analysis.
4. Role of nutrition in renal disorder.
5. Hemodialysis VS Peritoneal dialysis.
6. Explain the blood flow to the kidneys add a note on its auto regulation

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

7. Acidification of urine.
8. Cystometrogram.
9. Write the difference between cortical and Juxtamedullary nephron.
10. Non excretory functions of kidney.
11. Hyponatremia.
12. Renal function test.
13. Role of kidney in calcium homoeostasis
14. Renal disorders.
15. Juxtaglomerular apparatus.
16. Dialysis.