

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

B.Sc. (RENAL DIALYSIS TECHNOLOGY) DEGREE
EXAMINATION – February 2020
Second Year

APPLIED ANATOMY AND 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 about the nerve supply to Urinary bladder. Describe micturition reflex
2. Draw and label the parts of nephron. Explain the role of kidneys in calcium homeostasis.

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

3. Acidification of Urine.
4. Role of Hormones in kidneys.
5. Write the physiological range of urine analysis.
6. Draw and Explain the blood flow to the kidney.

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

7. Peritoneal dialysis Vs Hemodialysis.
8. Define GFR and Explain the features influencing GFR.
9. Role of nutrition in renal disorder.
10. Renal handling of sodium.
11. Renal clearance test.
12. Renal disorders.
13. Non Excretory functions of kidney.
14. Hyponatremia.
15. Difference between cortical and Juxtamedullary nephron.
16. Juxtaglomerular apparatus.
