

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

**B.Sc. (RENAL DIALYSIS TECHNOLOGY) DEGREE**  
**EXAMINATION – March 2019**  
Second Year

**APPLIED ASPECTS OF PATHOLOGY AND**  
**MICROBIOLOGY**

Time: Three hours

Maximum: 75 marks

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

1. Classify renal disease and write in detail about pathogenesis of UTI.
2. Morphology, pathogenesis, lab diagnosis and prophylaxis of Hepatitis B Virus.

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

3. End stage of renal disease.
4. Congenital abnormalities of urinary system.
5. Opportunistic infection with HIV.
6. Vascular access infection temporary vascular access.

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

7. Hepatitis C virus.
8. Pyelonephritis.
9. Methodology of culture sensitivity.
10. Universal precautions of HIV.
11. Renal complications of diabetes.
12. Lab diagnosis of HIV.
13. Acute glomerulonephritis.
14. Tubulo interstitial disease.
15. Bacterial peritonitis.
16. Complications of dialysis.