

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

**B.Sc. (RENAL DIALYSIS TECHNOLOGY) DEGREE**  
**EXAMINATION – February 2020**  
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. Explain in detail about causes, types, diagnosis and management of Acute Kidney Injury.
2. Write in detail about hepatotropic viral infections in hemodialysis patients. Add a note on vaccination for hemodialysis patients.

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

3. Complicated Urinary tract infection.
4. Nephrotic Syndrome.
5. Opportunistic infections in dialysis.
6. Causes, Diagnosis and Management of Chronic Kidney Disease.

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

7. Eclampsia.
8. Stage of Chronic Kidney Disease.
9. Acute Tubular Necrosis.
10. Struvite Stones.
11. Reflux nephropathy.
12. Autosomal recessive Poly cystic Kidney Disease.
13. Essential Hypertension.
14. Indications for dialysis.
15. Exit site infection in PD.
16. Urine analysis.