

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

**M.Sc(RENAL DIALYSIS TECHNOLOGY) DEGREE EXAMINATION –  
December 2021**

**First Semester**

**NEPHROGENETICS / MOLECULAR BIOLOGY**

Three Hours

Maximum: 100 marks

**I. Write an Long essay on:**

**(3 x 20 = 60)**

1. Discuss the classification of genetic disorders and their Inheritance pattern.
2. Define nosocomial infection. Give an account of the sources, modes of transmission and prevention of nosocomial infections.
3. Describe the pathogenesis, laboratory diagnosis and prevention of acquired immunodeficiency syndrome. Add a note on the morphology of human immunodeficiency virus.

**II. Write short essay on :**

**(4 x 10 = 40)**

4. Cell cycle.
5. Gonorrhoea.
6. Cryptosporidium parvum.
7. RNA synthesis.

\*\*\*\*\*