

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)****B.Sc. (MEDICAL LAB TECHNOLOGY) DEGREE EXAMINATION**

September 2021

Third Year

MICROBIOLOGY – III

Time: Three hours

Maximum: 75 marks

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

1. Write the Morphology, pathogenesis, lab diagnosis, treatment and prophylaxis of Mycobacterium Leprae.
2. Give the detailed on Morphology, pathogenesis, lab diagnosis, treatment and prophylaxis of Shigella dysenteriae.

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

3. Write the different between antigens and immunogens. Factors influencing the immunogenicity of an antigen.
4. Write a detailed note on Hospital waste management.
5. Write the symptoms of any five autoimmune disorders.
6. Discuss about the structure and function of MHC and its importance in graft rejection.

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

7. Write briefly about the pathogenesis and clinical symptoms of tetanus.
8. Write briefly about the pathogenesis and symptoms of Neisseria Menigitidis.
9. Write about monoclonal antibodies and their uses.
10. Write about antigen presenting cells.
11. Write about acquired immunity.
12. Write the structure and function of GALT.
13. How will you determine the purity of milk?
14. Discuss about pyrexia of unknown origin.
15. Write about T-cells and its function.
16. Write the importance of PCR in disease diagnosis.