

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

**DIPLOMA IN MEDICAL LAB TECHNOLOGEXAMINATION  
February 2020  
First Year**

**MICROBIOLOGY - I**

Time: Three hours

Maximum: 75 marks

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

1. Describe the morphology, life cycle, Pathogenesis, Lab Dignosis of Taenia saginata.
2. Describe the Morphology, Pathogenesis, Laboratory Diagnosis and prophylaxis Vibrio cholerae.

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

3. Write a brief notes on morphology, pathogenesis, lab diagnosis and treatment of C.diphtheriae.
4. Discuss the morphology, lifecycle and pathogenesis of Ascaris lumbricoides.
5. Give a brief account on Meningococcal Infections, symptoms, and treatments.
6. Write brief notes on biomedical waste management.

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

7. Give short notes on general properties of viruses.
8. Define HIV and give shorts on properties and lab diagnosis.
9. Write about prevention and control of hospital infections.
10. Describe briefly the structure of autoclave and explain its parts.
11. Write about innate immunity and acquired immunity.
12. Define pasteurization and write the advantage of pasteurization.
13. Write short notes on the pathogenesis of Salmonella.
14. Write short notes on the advantages of disinfectants with examples.
15. Write about the various types of vaccine.
16. Write about selective media and transport media with examples.