

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

**DIPLOMA IN MEDICAL LAB TECHNOLOGY**  
**EXAMINATION - August 2019**  
**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, cultivation, pathogenesis and laboratory diagnosis of *E. coli*.
2. Write the Morphology, life cycle, pathogenesis and laboratory diagnosis of *E. histolytica*.

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

3. Write a brief notes on growth and multiplication of Bacteria.
4. Give a detailed note on principle and mechanisms of Pasteurization.
5. Describe the principles and applications of WIDAL test.
6. Give short notes on Herpes virus with diagram.

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

7. Write short notes on immunity.
8. Discuss the Antimicrobial sensitivity and its importance.
9. Give short notes on clinical symptoms and lab diagnosis of *C. diphtheria*.
10. Write the morphology and life cycle of Plasmodium.
11. Write the laboratory diagnosis of Rabies virus.
12. Write short notes on opportunistic fungi.
13. Write the principles and application of CRP test.
14. Write briefly about Antiseptic with example.
15. Write the morphology and clinical symptoms of *Pseudomonas aeruginosa*.
16. Give short notes on lab diagnosis and prevention of Poliomyelitis.