

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

DIPLOMA IN MEDICAL LAB TECHNOLOGY EXAMINATION-March 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, Pathogenesis, Laboratory Diagnosis and Prophylaxis of Salmonella typhi.
2. Describe the Morphology, Pathogenesis, Lab Diagnosis and Prophylaxis of Hepatitis.

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

3. Give a brief account on biomedical waste and management.
4. Write brief notes on opportunistic fungi and explain any one fungus.
5. Discuss the Morphology, pathogenesis and lab diagnosis of Vibrio cholera.
6. Give a brief account on Sterilization. Write the principle of moist heat sterilization.

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

7. Discuss the growth and multiplication of bacteria.
8. Define ELISA test and give short notes on serological diagnosis.
9. Give short notes on pathogenicity and lab diagnosis of Tape worms.
10. Write the properties and lab diagnosis of HIV.
11. Write about nosocomial infection and precautions.
12. Write short notes on clinical symptoms and lab diagnosis of Shigella.
13. Write the principle and application of Hot air oven.
14. Describe briefly the Structure of Bacteria and explain its parts.
15. Write short notes on types of vaccine and Immunization schedule.
16. Give short notes on culture media for bacterial growth with suitable example.