

Sl.No. M21209

Course Code: 3280105

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

DIPLOMA IN MEDICAL LAB TECHNOLOGY
EXAMINATION - September 2021
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, symptoms, lab Diagnosis and Prophylaxis of *Mycobacterium tuberculosis*.
2. Describe the Morphology, Pathogenesis, Lab Diagnosis and prophylaxis *Herpes viruses*.

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

3. Write a brief notes on Hospital acquired infection.
4. Discuss the morphology, lifecycle, lab diagnosis of Tape worm.
5. Give a brief account on *Candida albicans*, Infections, symptoms, and treatments.
6. Write brief notes on morphology, cultural characteristics and pathogenesis of *E Coli*.

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

7. Give short notes on the shape and structure of bacteria.
8. Write the principle involved in ELISA.
9. Write about the morphology and cultivation of *Staphylococci*.
10. Define antiseptic and disinfectants with examples.
11. Write about eye piece and objective in a compound microscope.
12. Write about differential media and enriched media with examples.
13. Write short notes on the lab diagnosis of HIV.
14. Write the principle of moist heat sterilization.
15. Write about the principle and advantages of antimicrobial sensitivity testing.
16. Write about the essential nutrients for the growth of a bacteria.
