

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

B.Sc. (MEDICAL LAB TECHNOLOGY) DEGREE EXAMINATION
February 2020
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 structure, types and properties of Immunoglobulins.
2. Write on morphology, pathogenicity, laboratory diagnosis and prophylaxis of *Corynebacterium diphtheria*.

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

3. Write in detail about cell mediated immunity and humoral immunity.
4. Give a detailed note on Complement and its activation pathways.
5. Describe the morphology, pathogenesis and clinical symptoms of *Vibrio cholera*.
6. Write the factors influencing urinary tract infection, etiology, symptoms and its diagnosis.

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

7. Write about anaphylaxis.
8. Write about clonal selection theory in B-cells.
9. Give short notes on Cytotoxic T cells and its functions.
10. Write about primary and secondary immune response.
11. Write the general characteristic of Actinomycetes.
12. Write short notes on lab diagnosis of *E.coli*.
13. Write briefly about the different types of grafts.
14. Write the importance of vaccination.
15. Write short notes on Hospital waste management.
16. Write about immunoprophylaxis.