

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)
B.Sc. (MEDICAL LAB TECHNOLOGY) DEGREE EXAMINATION
March 2019
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 a brief note on morphology, Pathogenicity, laboratory diagnosis and prophylaxis of Staphylococcus sp.

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

3. Define Antigen, properties of an immunogen and briefly explain the Super Antigens.
4. Give a detailed note on Complement and its activation pathways.
5. Describe the morphology and pathogenesis of Salmonella.
6. Give short notes on UTI and its diagnosis.

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

7. Write about anamnestic and its reaction response.
8. Write about clonal selection theory in B – cells.
9. Give short notes on Cytotoxic T cells and its functions.
10. Write notes on Active immunity and explain its types.
11. Write the general characteristic of Actinomycetes.
12. Write short notes on pathogenesis and lab diagnosis of E. coli.
13. Give a note on Hospital acquired infection and its prevention.
14. Write short notes on immunoprophylaxis.
15. Write short notes on Bordetella and Nonsporing anaerobes.
16. Give short notes on lab diagnosis and prophylaxis of Vibrio.
