

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

**MBBS DEGREE EXAMINATION – August 2019
Second Year**

MICROBIOLOGY – PAPER I

Time : Three hours

Maximum : 50 marks

**Answer ALL questions
Draw diagrams wherever necessary**

SECTION – A

I. Write essay on : (1 x 8 = 8)

1. Define and classify immunity. Discuss about acquired immunity.

II. Write short notes on : (4 x 3 = 12)

2. Bacterial spore.
3. Dry Heat sterilization.
4. Major Histocompatibility complex (MHC).
5. Alternative pathway of compliment.

III. Answer briefly : (5 x 1 = 5)

6. List any two important contributions of Louis Pasteur
7. Types of flagella.
8. Generation Time.
9. Antigen.
10. Prozone Phenomenon.

SECTION – B

I. Write essay on : (1 x 8 = 8)

11. Enumerate organisms causing Diarrhoea. Describe the pathogenicity, laboratory diagnosis and prophylaxis of Vibrio Cholerae.

II. Write short notes on : (4 x 3 = 12)

12. Laboratory diagnosis of enteric fever.
13. Mantoux Test.
14. E. Coli Causing Diarrhoea.
15. Non- Sporing anaerobes.

III. Answer briefly : (5 x 1 = 5)

16. Toxic Shock Syndrome.
17. Nagler Reaction.
18. Pigments Produced by Pseudomonas Sp.
19. Bubonic Plague.
20. Grading of Ziel- Neelson Smear for Mycobacterium Tuberculosis.