

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)****B.Sc. (ALLIED HEALTH SCIENCE) &M.Sc(INTEGRATED
PROGRAMS IN CARDIAC TECHNOLOGY)DEGREE
EXAMINATION August 2019
First Year****MICROBIOLOGY**

Time: Three hours

Maximum: 75 marks

I. Write an essay on any ONE of the following: (1 x 20 = 20)

1. Describe about the morphology and various culture media for the cultivation of bacteria?
2. Write the general properties of helminthes? Describe the life cycle and pathogenesis of Wuchereria bancrofti.

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

3. Write the morphology, cultural and biochemical characteristics of Staphylococcus. Add a note on its pathogenesis.
4. General properties of viruses and cultivation methods.
5. Write about the hospital waste management.
6. Explain about Echinococcus granulosus and its life cycle

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

7. Microscopy and its types.
8. Principle of moist heat and dry heat sterilization and its methods.
9. Write short notes on vaccine and add a note on immunization schedule.
10. Write the pathogenesis of Mycobacterium tuberculosis.
11. Lab Diagnosis of V. Cholerae.
12. Opportunistic mycoses.
13. Write the properties and the diseases caused by Orthomyxovirus.
14. Write the life cycle of Leishmania.
15. Write the life cycle of Fasciola hepatica.
16. Passive immunity.