

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

**B.Sc. (PHYSICIAN ASSISTANT) DEGREE  
EXAMINATION - February 2020  
Second 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 notes 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 Normal microbial flora in our body.
6. Explain about Echinococcus granulosus and its life cycle.

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

7. Write briefly about the types of microscopes.
8. Principle of moist heat and dry heat sterilization and its methods.
9. Write about cell mediated and humoral immunity.
10. Write the pathogenesis of Mycobacterium tuberculosis.
11. Lab Diagnosis of V.cholerae.
12. Write about opportunistic mycoses.
13. Write the properties and the diseases caused by Arboviruses.
14. Write the life cycle of Plasmodium.
15. Write the life cycle of Taenia solium.
16. Passive immunity.

\*\*\*\*\*