

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

**B.Sc. (MEDICAL LAB TECHNOLOGY) DEGREE EXAMINATION**  
**September 2021**  
**Second Year**

**MICROBIOLOGY - II**

Time: Three hours

Maximum: 75 marks

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

1. Write a brief note on general properties and various methods of cultivation of viruses.
2. Give a detailed account on life cycle, pathogenicity, laboratory diagnosis and prophylaxis of Plasmodium falciparum.

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

3. Write a detailed note on laboratory diagnosis of fungal infections.
4. Give a detailed note on structure, route of infection, life cycle and clinical symptoms of Wuchereria bancrofti.
5. Describe the general properties, pathogenicity and laboratory diagnosis of Adenovirus.
6. Write the life cycle and pathogenicity of Taenia Solium.

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

7. Discuss about antifungal agents with examples.
8. Write short notes on subcutaneous mycoses.
9. Write about myco keratitis and its causative agent.
10. Write about the structure and life cycle of Giardia lamblia.
11. Discuss about the clinical symptoms of rabies disease.
12. Write the life cycle and clinical symptoms of Balantidium coli.
13. Write the life cycle and clinical symptoms of E.vermicularis.
14. Write the properties of Picorna virus.
15. Write short notes on DNA viruses with examples.
16. Write the epidemiology, mode of transmission and prophylaxis for SARS.