

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

**DIPLOMA IN MEDICAL LAB TECHNOLOGY**  
**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 properties, cultivation, laboratory diagnosis and prophylaxis of Herpes virus.
2. Give a detailed account on life cycle, pathogenicity, laboratory diagnosis and prophylaxis of Plasmodium.

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

3. Write a brief note on mycotoxins.
4. Give a detailed note on structure, route of infection, life cycle and clinical symptoms of Giardia.
5. Describe the general properties, pathogenicity and laboratory diagnosis of Adenovirus.
6. Write the life cycle and pathogenicity of *Taenia saginata*.

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

7. Discuss the lab diagnosis of Coccidioidosis and Paracoccidioidosis.
8. Write short notes on subcutaneous mycoses.
9. Give short note on opportunistic fungi and explain any two.
10. Write about the different structure of viruses with examples.
11. Write any three Antifungal agents with their mode of action.
12. Write the life cycle and clinical symptoms of *Entamoeba histolytica*.
13. Write the clinical symptoms of Ascariasis.
14. List out the methods for the cultivation of virus.
15. Write short notes on oncogenic viruses.
16. Write the epidemiology, mode of transmission and prophylaxis for SARS.