

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM**  
**(Deemed to be University)**  
**B.Sc. (MEDICAL LAB TECHNOLOGY) DEGREE EXAMINATION**  
**March 2019**  
**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, 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 laboratory diagnosis of Candidiasis and Aspergillosis.
4. Give a detailed note on structure, route of infection, life cycle and pathogenicity of Giardia.
5. Describe general properties, cultivation, laboratory diagnosis of Rotavirus.
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 the lab diagnosis of Coccidioidosis and Paracoccidioidosis.
8. Discuss the short notes on subcutaneous mycoses and explain Rhinosporidium.
9. Give short notes on opportunistic fungi and explain any two.
10. Write notes on systemic mycoses of Cryptococcosis and its symptoms.
11. Write any three Antifungal agents with their mode of action.
12. Write short notes on Entamoeba histolytica and its pathogenesis.
13. Write about Hospital acquired infection with examples.
14. Write short notes on various methods of cultivation of virus.
15. Write short notes on viral haemorrhagic fever and symptoms.
16. Give short notes on lab diagnosis of Isospora and Toxoplasma.