

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

**MBBS DEGREE EXAMINATION – August 2019**  
**SECOND YEAR**

**MICROBIOLOGY – PAPER II**

**Time : Three hours**

**Maximum : 80 marks**

**Answer ALL questions**  
**Draw diagrams wherever necessary**

**SECTION – A**

**I. Write essay on :** (1 x 10 = 10)

1. Elaborate on the morphological characteristics, pathogenesis, antigenic structure, clinical features, laboratory diagnosis and prophylactic measures of rabies virus.

**II. Write short notes on :** (4 x 5 = 20)

2. Autoinfection by *Strongyloides stercoralis*
3. Black water fever
4. Classification of fungal diseases.
5. Explain the viral haemagglutination test.

**III. Answer briefly :** (5 x 2 = 10)

6. Name the acid fast parasitic organisms.
7. Name four species of aspergillus.
8. Name the dimorphic fungi.
9. Name three methods of virus cultivation.
10. List the species of plasmodia causing malaria.

**SECTION – B**

**I. Write essay on :** (1 x 10 = 10)

11. Discuss in brief the morphology, life cycle, pathogenesis and laboratory diagnosis of *Leishmania donovani*.

**II. Write short notes on :** (4 x 5 = 20)

12. Congenital Toxoplasmosis
13. Larva migrans
14. Germ tube test
15. Describe the clinical features of HIV infection.

**III. Answer briefly :** (5 x 2 = 10)

16. Name the intestinal flagellates.
17. Fungal Ball
18. Name four viruses that cause diarrhoea.
19. What are pathogenic free living amoebae?
20. Name four intestinal nematodes found in human being.