

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

**MBBS DEGREE EXAMINATION – February 2020**  
**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 properties, clinical features, laboratory diagnosis and prophylaxis of poliovirus infection.

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

2. Describe the process of viral replication.
3. Pneumocystis pneumonia (PcP)
4. Mycotoxicoses
5. Write a short note on prions.

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

6. Classify fungi.
7. Types of fungal spores with example.
8. Name four viruses that cause haemorrhagic fever.
9. Give two example each for bile stained and non-bile stained eggs.
10. Name four culture methods used for parasites.

**SECTION – B**

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

11. Define candidiasis. Explain the aetiology, clinical classification and the laboratory diagnosis of candidiasis.

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

12. Piedra
13. Laboratory diagnosis of dermatophytes
14. Write a note on screening and prophylactic measures of Hepatitis B virus infection.
15. Write a note on concentrating techniques used in examination of faeces.

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

16. Name the dematiaceous fungi.
17. Name four methods by which viral antigens are demonstrated.
18. What are inclusion body?
19. Name four cestodes infecting human.
20. Draw and illustrate the normal constituents of stool.