

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

**MBBS DEGREE EXAMINATION – October 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. Draw a labelled diagram of Hepatitis B virus. Classify the hepatitis virus and mode of transmission of various hepatitis viruses. Prophylaxis for Hepatitis B Virus. (2+2+4)

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

2. Bacteriophage
3. Pneumocystis pneumonia (PcP).
4. Candida albicans
5. Write a short note on prions.

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

6. Yeast and yeast like fungi.
7. Germ tube test.
8. Name four viruses that cause haemorrhagic fever.
9. Draw a labelled diagram of hook worm ova
10. Name four culture methods used for parasites.

**SECTION – B**

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

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

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

12. Dimorphic fungus with examples
13. Sample collection for the Laboratory diagnosis of dermatophytes.
14. Antigenic shift and drift
15. Real time PCR (RT PCR).

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

16. Classify the helminths with example.
17. Immunofluorescence microscopy
18. Naked RNA virus
19. Colour code for hospital waste disposal
20. N 95 Mask