

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

**MBBS DEGREE EXAMINATION – September 2020
SECOND YEAR**

MICROBIOLOGY – PAPER II

Time : Three hours

Maximum : 50 marks

**Answer ALL questions
Draw diagrams wherever necessary**

SECTION – A

I. Write essay on : **(1 x 8 = 8)**

1. Enumerate parasite causing anemia. Write the life cycle and laboratory diagnosis of *Ascaris lubricoids*.

II. Write short notes on : **(4 x 3 = 12)**

2. Mycetoma
3. Diagram of *trichomonas vaginalis* and pathogenesis.
4. Rapid diagnostic test for malaria.
5. Mycotoxin's

III. Answer briefly : **(5 x 1 = 5)**

6. Germ tube test
7. Name two oncogenic parasites
8. Vectors of Leishmeniasis and American sleeping sickness.
9. Two opportunistic intestinal protozoal infection heparin test.
10. Name 4 tissue nematode.

SECTION – B

I. Write essay on : **(1 x 8 = 8)**

11. A patient presented with fever, throat pain and generalized weakness since 3 days on 3rd day fever C.T. scan shows ground glass appearance in right basal lung. The disease identified as viral etiology.
 - a) Name the probable etiological agents.
 - b) Discuss the method of sample collection to identify the etiological agents.
 - c) Discuss laboratory diagnosis and add a note on prevention.

II. Write short notes on : **(4 x 3 = 12)**

12. Cultivation of viruses.
13. Marken's of Hepatitis 'B'
14. Discuss colour coding types of containers for dispose of biomedical waste.
15. Prions.

III. Answer briefly : **(5 x 1 = 5)**

16. MMR.
17. Tzanck smears.
18. 2 viral agents causing diarrhoea in children's.
19. Indicators of recent water contamination.
20. Two congenital viral infection.