

Sl.No. M23029

Course Code : 161022T02

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

MBBS DEGREE EXAMINATION – October 2020

Second Year

MICROBIOLOGY - PAPER II

SECTION A

Time: Fifteen Minutes

Maximum: 15 marks

Register Number :

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Signature of the candidate

Signature of the Invigilator

Instructions to the candidates

- 1. Write your Register Number and sign at the place specified on the first page of this Question Booklet.**
- 2. Do not open this question booklet until Invigilator announces the commencement of the examination.**
- 3. Answer ALL the Fifteen questions. They carry equal marks. No negative marking for wrong answers.**
- 4. Answers should be marked legibly in the SHEET provided in capital letters.**
- 5. THE QUESTION BOOKLET SHOULD NOT BE TAKEN OUT OF THE EXAMINATION HALL.**
- 6. Questions should not be copied and taken out of the Examination Hall. Any one found violating this rule shall not be permitted to write the examination and shall be sent out of the Hall.**
- 7. At the end of 15 minutes, when the Invigilator announces 'STOP WRITING' you must stop writing immediately. If the candidate tries to attempt to answer the questions after the prescribed time, their answer script becomes invalid.**
- 8. Hand over the questions booklet containing answer sheet to the invigilator when you finish answering or immediately after 15 minutes.**

MICROBIOLOGY - PAPER II
SECTION-A (15X1-15 MARKS)
(Multiple choice questions)

Time: Fifteen Minutes

Maximum: 15 marks

Select the most appropriate answer and answer in the answer sheet attached:

1. Which of the following is the smallest virus
 - A. Papovavirus
 - B. Picornavirus
 - C. Pox virus
 - D. Parvovirus
2. 'Owl's eye' appearance inclusions are demonstrated in
 - A. Cytomegalovirus infection
 - B. Herpes simplex virus infection
 - C. Epstein-Barr virus infection
 - D. Varicella-Zoster virus infection
3. Which of the following virus was called as Orphan virus
 - A. Polio virus
 - B. Coxsackie virus
 - C. Echo virus
 - D. Enterovirus
4. All of the following viruses have single stranded RNA EXCEPT
 - A. Alphavirus
 - B. Flavivirus
 - C. Bunyavirus
 - D. HIV virus
5. Which is the first antigen appears first following HIV infection
 - A. P24
 - B. P18
 - C. GP120
 - D. GP41
6. Which of the following fungus is not a mould
 - A. Aspergillus fumigatus
 - B. Rhizopus
 - C. Cryptococcus neoformans
 - D. Absidia

(p.t.o.)

7. Which of the following fungus is a Dematiaceous fungi
 - A. Aspergillus
 - B. Fonsecaea
 - C. Penicillium
 - D. Dermatophytes

8. Which Mycotoxin is produced by *Aspergillus flavus*?
 - A. Ergot alkaloids
 - B. Muscarine
 - C. Penicillic acid
 - D. Aflatoxin

9. Which is the acceptable limit of bacterial count in air in operation theatre?
 - A. 50 per cubic feet
 - B. 10 per cubic feet
 - C. 4 per cubic feet
 - D. 1 per cubic feet

10. Which colour plastic bag is used for non-infectious waste?
 - A. Yellow
 - B. Red
 - C. Black
 - D. Blue

11. Scrub typhus is transmitted by
 - A. Trombiculid mite
 - B. Rat flea
 - C. Soft tick
 - D. Louse

12. Sleeping sickness is transmitted by
 - A. Tsetse fly
 - B. Soft tick
 - C. Louse
 - D. Mite

13. In Malaria pre-erythrocytic schizogony occurs in

- A. Blood
- B. Liver
- C. Kidney
- D. Spleen

14. The larval form of *Taenia saginata* is named as

- A. *Cystecercus cellulosae*
- B. *Cystecercus bovis*
- C. Hydatid cyst
- D. None of the above

15. Which helminth has got spoliative action

- A. *Ancylostoma duodenale*
- B. *Necator americanus*
- C. *Enterobius vermicularis*
- D. *Ascaris lumbricoides*

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MICROBIOLOGY – PAPER II

Time : Three hours

Maximum : 80 marks

Answer ALL Questions

Answer Section A in the Answer Sheet attached to it 15 marks – 15 minutes to be handed over to the invigilator immediately after 15 minutes

Answer Section B in the same answer book

Time : 2 hours 45 minutes

SECTION – B

Maximum : 65 marks

I. Write essays on :

(2 x 15 = 30)

1. a) Enumerate transfusion transmitted diseases. (3)
- b) Describe in detail pathogenesis of HIV. (6)
- c) Write the laboratory diagnosis of HIV infection. (6)
2. a) Classify Nematodes. (3)
- b) Describe the pathogenesis of Wuchereria bancrofti. (6)
- c) Write in detail laboratory diagnosis of W. bancrofti infection (6)

II. Short notes on :

(5 x 5= 25)

3. Hospital acquired infection
4. Rabies vaccines
5. Markers of Hepatitis B
6. Mycotic poisoning
7. Oncogenic viruses.

III. Answer briefly on :

(5 x 2 = 10)

8. MMR vaccine
9. H₁N₁ influenza
10. Free – living amoebae
11. Cysticercus cellulosae in man
12. Mycetoma.
