

Sl.No. M21964

Course Code : 161022T02

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

**MBBS DEGREE EXAMINATION – February 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**

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**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 biggest virus?
  - A. Parvovirus
  - B. Smallpox
  - C. Coronavirus
  - D. Adenovirus
2. Which is not a continuous cell line?
  - A. WI-38
  - B. YERO
  - C. HeLa
  - D. Mc Coy
3. In which of the following processes, Bacteriophage acts as carrier
  - A. Transformation
  - B. Transposition
  - C. Transduction
  - D. Conjugation
4. Both intracytoplasmic and intranuclear inclusion bodies are seen infection with
  - A. Herpes simplex virus
  - B. Polio virus
  - C. Mumps virus
  - D. Measles virus
5. Which of the following marker indicates high infectivity of Hepatitis B virus?
  - A. HBsAg
  - B. HBeAg
  - C. HBcAg
  - D. HBeAg
6. Which of the following fungus commonly causes secondary infection in AIDS patients EXCEPT
  - A. Penicillium
  - B. Cryptococcus
  - C. Candida
  - D. Sporothrix

(p.t.o.)

7. Which of the following is not a dimorphic fungus?
  - A. *Penicillium marneffeii*
  - B. *Histoplasma*
  - C. *Blastomyces*
  - D. *Acremonium*
8. Fungal Ball is caused by
  - A. *Absidia*
  - B. *Rhizopus*
  - C. *Penicillium*
  - D. *Aspergillus*
9. All of the following are transmitted by sand fly except
  - A. Kala-Azar
  - B. Oriental sore
  - C. Oroya fever
  - D. West Nile fever
10. Presence of ingested erythrocytes is characteristic of
  - A. *Entamoeba histolytica*
  - B. *Entamoeba coli*
  - C. *Endolimax nana*
  - D. *Iodamoeba*
11. How many flagella are there in trophozoite of *Giardia lamblia*?
  - A. One pair
  - B. Two pair
  - C. Three pair
  - D. Four pair
12. Which form of malarial parasite is infective to man?
  - A. Ring form
  - B. Gametocyte form
  - C. Sporozoite
  - D. Hypnozoites
13. The larval form of *Taenia solium* is
  - A. *Cysticercus cellulosae*
  - B. *Cysticercus bovis*
  - C. Hydatid cyst
  - D. None of the above

14. *Paragonimus westermanii* lives in

- A. Intestine
- B. Lungs
- C. Blood vessels
- D. Liver

15. The filarial worm which can be seen in conjunctiva is

- A. *Brugia malay*
- B. *Onchocerca volvulus*
- C. *Wuchereria bancrofti*
- D. *Loa loa*

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**MBBS DEGREE EXAMINATION – February 2020**

**Second Year**

**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) Draw a neat and labelled diagram of Rabies virus. (3)
- b) Describe the pathogenesis and clinical features of Rabies. (5)
- c) Write in detail the laboratory diagnosis and prophylaxis of Rabies. (7)
  
2. a) Enumerate the vector borne parasitic diseases. (3)
- b) Describe the life cycle of Plasmodium falciparum. (6)
- c) Write in detail the laboratory diagnosis and complications of P. Falciparum. (6)

**II. Short notes on :**

**(5 x 5= 25)**

3. Candida albicans
4. Cell culture
5. Ebola virus
6. Kala-Aazar
7. Dermatophytes

**III. Answer briefly on :**

**(5 x 2 = 10)**

8. Sporotrichosis
9. Hepatitis B vaccine
10. Pulse polio programme.
11. Slow virus diseases in man-enumerate.
12. Nipah virus.

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