

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

**BDS DEGREE EXAMINATION – July 2021
Second Year**

GENERAL MICROBIOLOGY

SECTION A

Time: Twenty Minutes

Maximum: 20 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 Twenty 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 20 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 20 minutes.**

GENERAL MICROBIOLOGY
SECTION-A (20X1=20 MARKS)
(Multiple choice questions)

Time: Twenty Minutes

Maximum: 20 marks

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

1. L-Forms are discovered by
 - A. Klein Berger
 - B. Louis Pasteur
 - C. Robert Koch
 - D. Antony von Leeuwenhock

2. The ability of Microscope to distinguish two objects into two separate objects, is called,
 - A. Resolving power
 - B. Wave length
 - C. N.A.
 - D. None of these

3. Disease that effects many people at different countries is termed as
 - A. Sporadic
 - B. Pandemic
 - C. Epidemic
 - D. Endemic

4. Anaphylaxia was first observed by
 - A. Parter and Richet
 - B. Coombs
 - C. Gell
 - D. None of these

5. B.anthraxis was isolated by
 - A. Louis Pasteu
 - B. Robert Koch
 - C. Antonyvon Leewenhok
 - D. None of these

(p.t.o.)

6. The colonies produced by *Pseudomonas* on MacConkey's medium are
 - A. Purple colored
 - B. Pink colored
 - C. Pale colored
 - D. Green colored

7. The causative organism of cholera, i.e., *Vibrio* show the movement called
 - A. Gliding movement
 - B. Darting movement
 - C. Pseudopodia movement
 - D. None of these

8. The staining techniques used to stain the metachromatic granules of *Corynebacterium*
 - A. Giemsa stain
 - B. Alberts Stain
 - C. Acid fast staining
 - D. Both a and b

9. The virus that attack bacteria are
 - A. Bacterial viruses
 - B. Bacterial pathogens
 - C. Bacteriophages
 - D. Various

10. Fimbriae are demonstrated by
 - A. Culture
 - B. Gram stain
 - C. Biochemical reactions
 - D. Haemagglutination test

11. The smallest virus is
 - A. Parvo virus
 - B. Rhabdo virus
 - C. Pox virus
 - D. Adeno virus

12. HIV is belonging to
 - A. Retro Viridae
 - B. Rhabdo Viridae
 - C. Toga Viridae
 - D. Paramyxo Viridae

13. Sun ray fungus is
 - A. Actinomyces irraeli
 - B. Chromoblastomycosis
 - C. Streptomyces griseus
 - D. Cryptococcosis
14. Causative agent of Tinea nigra
 - A. Malassezia furfur
 - B. Exophiala werneckii
 - C. Candida albicans
 - D. Aspergillus flavus
15. Thin blood smear for malaria is used to identify
 - A. Plasmodium
 - B. Gametocytes
 - C. Type of parasite
 - D. Schizont
16. Rabies virus can multiply in
 - A. The central nervous system only
 - B. The peripheral nerves
 - C. Muscle tissues
 - D. All the above
17. Brucella causes
 - A. Pertussis
 - B. Plague
 - C. Brucellosis
 - D. None of these
18. The greatest number of tubercle bacilli is present in
 - A. Large sized tuberculomas
 - B. Miliary tuberculosis
 - C. Tuberculous lymphadenitis
 - D. Tuberculous cavity of the lung
19. Vitamin B12 can be estimated and determined by using organism
 - A. Lactobacillus sps
 - B. Lactobacillus Leichmanni
 - C. Bacillus subtilis
 - D. E.Coli
20. Log-phase is also known as
 - A. Death phase
 - B. Exponential phase
 - C. Lag - phase
 - D. None

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**BDS DEGREE EXAMINATION – July 2021
Second Year**

GENERAL MICROBIOLOGY

Time : Three hours

Maximum : 70 marks

Answer ALL Questions

Answer Section A in the Answer Sheet attached to it 20 marks – 20 minutes to be handed over to the invigilator immediately after 20 minutes

Answer Section B & C in the same answer book

Time : 2 hours 40 minutes

SECTION – B & C

Maximum : 50 marks

SECTION – B

I. Write an Essay on :

(1 x 10 = 10)

1. Define Hypersensitivity. Explain about Type I hypersensitivity.

II. Write short notes on :

(3 x 5 = 15)

2. Haptens.

3. Physical method of sterilization.

4. Dental plaque.

SECTION – C

III. Write an Essay on :

(1 x 10 = 10)

5. Enumerate viruses causing post – transfusion hepatitis. Discuss in detail about the morphology, pathogenesis, laboratory diagnosis and prophylaxis of hepatitis B virus.

IV. Write short notes on :

(3 x 5 = 15)

6. IgG.

7. Covid – 19.

8. Herpes Zoster.
