



RAN - 2003000201030064



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F.Y.BSc. ATKT (Sem. I) Examination

March - 2023

Microbiology

MB-101: History and Scope of Microbiology

Set - I

[Total Marks: 50

સૂચના : / Instructions

(૧)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

F.Y.BSc. ATKT (Sem. I)

Name of the Subject :

Microbiology MB-101: History and Scope of Microbiology Set - I

Subject Code No.: 2003000201030064

Seat No.:

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Student's Signature

***O.M.R. Sheet ભરવા અંગેની અગત્યની સૂચનાઓ આપેલ
O.M.R. Sheetની પાછળ છાપેલ છે.***

***Important instructions to fillup O.M.R. Sheet
are given on back side of the provided O.M.R. Sheet.***

1. Which is a symbiotic nitrogen fixing bacteria?
 - a) Azotobacter
 - b) Alfalfa
 - c) Nitrobacter
 - d) Rhizobium

2. The crops which are involved in nitrogen fixation are
 - a) Alfalfa
 - b) Clover
 - c) Soybean
 - d) All of the above

3. Tetracycline is produced by
 - a) *Streptomyces aureofaciens*
 - b) *Streptomyces kanamyceticus*
 - c) *Streptomyces griseus*
 - d) *Streptomyces orientalis*

4. Which of the following chemotherapeutic drug is used for the treatment of AIDS infection?
 - a) AZT
 - b) Tetracyclin
 - c) Streptomycin
 - d) Penicillin

5. Who shared the Noble Prize in 1972 for the discovery of antibody structure?
 - a) G. Edelman & R. Porter
 - b) M. Burnet
 - c) N. Zinder & J. Lederberg
 - d) Y. Hiroals & S. Tasaka

6. Hybridoma formation technique described by
 - a) Alick Isaac & Jean Lindenmann
 - b) Dreyer & Bennet
 - c) Georges Kohler & Cesar Milstein
 - d) Bjorkman & Wiley

7. Mode of action of penicillin in the target cells is
 - a) Inhibit protein synthesis
 - b) Inhibit DNA transcription
 - c) Inhibit cell membrane function
 - d) Inhibit cell wall synthesis

8. Stanley & Northrup got the Noble Prize for
 - a) Discovering virus
 - b) Crystallizing virus
 - c) Discovering antibiotic
 - d) Naming phage

19. _____ are viruses of fungi.
- a) Bacteriophages b) Mycophages
c) Cyanophages d) Coliphages
20. Pasteurization was initially developed for the preservation of _____
- a) Milk b) Cheese
c) Wine d) Cream
21. Organisms which require high temperature and acidic environment for growth are known as _____ .
- a) Acidophiles b) Thermophiles
c) Basophiles d) Thermoacidophiles
22. Why fungi cannot carry out photosynthesis?
- a) They are unicellular organisms
b) They lack photosynthetic machinery
c) They have complex cell wall
d) They have long filaments that does not allow light to penetrate
23. Bacterial cell wall is made up of
- a) Chitin b) Cellulose
c) Peptidoglycan d) Dextran
24. Thread like filaments which form the body of fungi are
- a) Rhizoids b) Hyphae
c) Haptera d) Paraphyses
25. Coliphage is an example of
- a) Plant virus b) Animal virus
c) Bacterial virus d) Human virus
26. Which is air borne disease?
- a) Typhoid b) Cholera
c) Malaria d) Tuberculosis
27. Cuboidal packets of cocci shaped bacteria are known as
- a) Tetrad b) Monococcus
c) Sarcinae d) Diplococcus
28. Which of the following has acellular organization?
- a) Bacteria b) Viruses
c) Protozoa d) Fungi

SPACE FOR ROUGH WORK