



0020608

K19U 3191

Reg. No. :

Name :

I Semester B.Sc. Degree (CBCSS- Supplementary / Improvement)

Examination, November-2019

(2014- 2018 Admissions)

CORE COURSE IN MICROBIOLOGY

1B01 MCB :GENERAL MICROBIOLOGY

Time : 3 Hours

Max. Marks :40

SECTION -A

(Answer All **four** questions).

(4×1=4)

1. Who is known as the father of microbiology?
2. The invagination of cytoplasmic membrane seen in bacteria is called-----
3. Bacterial cell wall is made of-----
4. Give an example for a plant tissue culture media.

SECTION -B

Answer very briefly on any **seven** questions out of **ten**. Comment on the following:

(7×2=14)

5. Germ theory of diseases.
6. Negative staining.
7. Glycocalyx
8. Transport media.
9. Sterilization.

P.T.O.



10. Rideal Walker coefficient.
11. Beta lactam antibiotics.
12. CFU.
13. Stab culture method.
14. Pseudopodia.

SECTION -C

(Answer any **four** questions out of **six** briefly).

(4×3=12)

15. List the contributions of Louis Pasteur to the field of microbiology.
16. What is differential staining? Explain with example.
17. Elaborate the structure of cytoplasmic membrane with a diagram.
18. Explain the general morphology of protozoa.
19. Write about the physical agents used for microbial control.
20. What are the methods for preservation of pure culture?

SECTION -D

(Answer any **Two** questions out of **four**)

(2×5=10)

21. Discuss the conflict of biogenesis over spontaneous generation theory.
22. Explain the Ultra - structure of a prokaryotic cell with a neat diagram.
23. What are the different types of culture media? Explain with examples.
24. Discuss about the different pure culture techniques.