

D 73290

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Name.....

Reg. No.....

**FIRST SEMESTER B.A./B.Sc. DEGREE EXAMINATION
NOVEMBER 2019**

(CBCSS—UG)

Microbiology

MBG 1B 01—GENERAL MICROBIOLOGY

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

Part A

Comment on the following :

1. Capsule staining.
2. Archaeobacterial cell membrane.
3. Magnification.
4. Grams iodine.
5. Cold sterilisation.
6. Fluorescent dyes.
7. Bacteriophage.
8. Animalcules.
9. SEM.
10. Actinomycetes.
11. Plasmid.
12. Dipicolinic acid.

(12 × 2 = 20 ceiling)

Part B

Each question carries 5 marks.

Write briefly :

13. Contributions of Louis Pasteur to microbiology.
14. Differentiate between Gram positive and Gram negative bacteria.

Turn over

15. Working of bright field and dark field microscope.
16. Phenol coefficient.
17. Acid fast staining.
18. Bacterial flagella.
19. Sporulation in bacteria.

(7 × 5 = 30 ceiling)

Part C

*Answer any one question.
Each question carries 10 marks.*

20. Discuss various methods of control of micro-organisms.
21. Explain the structure of a bacterial cell with diagram.

(1 × 10 = 10 marks)