

D 53682

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Name.....

Reg. No.....

**FIRST SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2023**

Microbiology

MBG 1B 01—GENERAL MICROBIOLOGY

(2019—2023 Admissions)

Time : Two Hours

Maximum : 60 Marks

*Wherever needed answers must be supported by structural illustrations and diagrams.***Section A (Short Answer Type Questions)***Answer all questions.**Each question carries 2 marks.**(Ceiling 20 marks)*

Write briefly on :

1. Safranin.
2. Mesosome.
3. Pili.
4. Alexander Flemming.
5. Ocular.
6. Spirochetes.
7. Decolorising agents.
8. Flaming.
9. Gutaraldehyde.
10. Pathogen.
11. Joseph Lister.
12. Condenser.

Turn over

Section B (Paragraph Type Questions)

*Answer **all** questions.*

Each question carries 5 marks.

(Ceiling 30 marks)

Write notes on :

13. Gram staining.
14. Fluorescent microscopy.
15. Radiations as antimicrobial agents.
16. Rideal walker test.
17. Morphology and arrangements of bacterial cells.
18. Contributions of Louis Pasteur to Microbiology.
19. Endospore formation.

Section C (Essay Type Questions)

*Answer any **one** question.*

Question carries 10 marks.

(Ceiling 10 marks)

Write essay on :

20. Moist heat methods for control of micro-organisms.
21. Ultra structure of a bacterial cell.