

D 13607

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Name.....

Reg. No.....

**FIRST SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2021**

Microbiology

MBG 1B 01—GENERAL MICROBIOLOGY

(2019—2020 Admissions)

Time : Two Hours

Maximum : 60 Marks

Part A (Short Answer Type Questions)*Answer all questions.**Each question carries 2 marks.**Maximum 20 marks.*

1. Alexander Fleming.
2. Glycocalyx.
3. Teichoic acid.
4. Flaming.
5. Define the term disinfection.
6. Counterstain.
7. Sintered glass filter.
8. Tetrad arrangement of bacterial cell.
9. Pili.
10. Protoplast.
11. Applications of negative staining.
12. Yeast.

Part B (Paragraph Type Questions)*Answer all questions.**Each question carries 5 marks.**Maximum 30 marks.*

13. Morphology of bacteriophage.
14. Phase contrast microscopy.

Turn over

15. Spore staining.
16. Radiation.
17. Antiseptics.
18. Bacterial Chromosome and plasmids.
19. Cell membrane structure of bacteria.

Part C (Essay Type)

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

20. Write an essay on history and scope of microbiology.
21. Explain with a neat labelled diagram the ultrastructure of bacterial cell.