

D 93939

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Name.....

Reg. No.....

**FIRST SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2020**

Microbiology

MBG 1B 01—GENERAL MICROBIOLOGY

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

*Answer at least **eight** questions.*

Each question carries 3 marks.

All questions can be attended.

Overall Ceiling 24.

Comment on the following :

1. Simple staining.
2. Sphaeroplast and protoplast.
3. Pili.
4. Carbol fuchsin.
5. Metachromatic granules.
6. Nucleoid.
7. Resolving power.
8. Mesosomes.
9. Phenol co-efficient.
10. Spontaneous generation.
11. Peptidoglycan.
12. Edward Jenner.

(8 × 3 = 24 marks)

Turn over

Section B

Answer at least **five** questions.

Each question carries 5 marks.

All questions can be attended.

Overall Ceiling 25.

Write briefly :

13. Archaeobacteria and Eubacteria.
14. Shapes and arrangements of bacteria.
15. Grams staining.
16. Contributions of Robert Koch in microbiology.
17. Bacterial cell membrane.
18. Electron microscope.
19. Halogens.

(5 × 5 = 25 marks)

Section C

Answer any **two** questions.

The question carries 11 marks.

20. Differentiate between Prokaryotes and Eukaryotes.
21. Discuss various physical methods of control of micro-organisms.

(1 × 11 = 11 marks)