

**C 82412**

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Name.....

Reg. No.....

**SECOND SEMESTER B.A./B.Sc. DEGREE EXAMINATION, APRIL 2020**

(CBCSS—UG)

Biotechnology

BTY 2B 02—GENERAL MICROBIOLOGY

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

**Section A (Short Answer Type Questions)**

*Answer any ten questions.*

*Each carries 2 marks.*

1. Distinguish spread plate & pour plate methods.
2. What is CFU ?
3. Morphology of bacteria.
4. Temperate phage.
5. Generation time.
6. Biofilters.
7. Chemotherapy.
8. Group translocation.
9. Anaerobic respiration.
10. Dermatomycosis.
11. Ethanol as sterilization agent.
12. Phototroph & Chemotroph.

(10 × 2 = 20 marks)

**Section B (Paragraph Type Questions)**

*Answer any six out of seven.*

*Each carries 5 marks.*

13. Explain the structure of a Bacteriophage.
14. Give a brief account on different antigenic forms of Salmonella.
15. Discuss about AIDS treatment & prevention.

**Turn over**

16. Explain different methods to measure bacterial growth.
17. Explain the physical factors effecting the bacterial growth.
18. Briefly explain contributions of Koch.
19. Explain Pentose Phosphate Pathway.

(6 × 5 = 30 marks)

**Section C (Essay Type Questions)**

*Answer any **one** question.*

*Which carries 10 marks.*

20. Write an essay on control of microbes by chemical agents.
21. Describe different mechanisms for the uptake of nutrients by bacteria.

(1 × 10 = 10 marks)