

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)