

D 72959

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Name.....

Reg. No.....

**FIRST SEMESTER M.A./M.Sc./M.Com. DEGREE EXAMINATION
DECEMBER 2019**

(CBCSS)

General Biotechnology

GBT 1C 03—MICROBIOLOGY

(2019 Admissions)

Time : Two Hours and a Half

Maximum : 30 Weightage

Section A

*Answer any **four** questions.*

Each question carries a weightage of 2.

1. Pure culture techniques.
2. Koch postulate.
3. Phenol as disinfectant.
4. Asexual reproductive methods in fungi.
5. Amoebiasis.
6. MIC and MBC.
7. TEM and SEM.

(4 × 2 = 8 weightage)

Section B

*Answer any **four** questions.*

Each question carries a weightage of 3.

8. Explain bacterial photosynthesis.
9. Brief note on Antimicrobial Resistance
10. Pathogenesis and prophylactic methods of Tuberculosis.
11. Selective, differential media and enrichment media with example.
12. Explain the molecular approaches in microbial classification.

Turn over

13. Explain Bacteriophage replication.
14. Describe ATP synthesis.

(4 × 3 = 12 weightage)

Section C

*Answer any **two** questions.*

Each question carries a weightage of 5.

15. Write an essay on microbial growth and measurements.
16. Explain different sources of infection. Discuss about congenital infections.
17. Explain different Physical & chemical Sterilization methods.
18. Explain different types of microscopy and their application.

(2 × 5 = 10 weightage)