

D 92981

(Pages : 2)

Name.....

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, DECEMBER 2015

(CUCSS)

General Biotechnology

GB 1C 3 – MICROBIOLOGY

Time : Three Hours

Maximum : 36 Weightage

Section A (Very Short Answer)

*Answer **all** questions.*

Each question carries weightage 1.

1. Biological sterilization.
2. Mycotoxins.
3. Rhizosphere effect.
4. Commensalism.
5. Bio-insecticide.
6. Numerical taxonomy.
7. Rybotyping.
8. MIC.
9. Prototroph.
10. Amoebiasis.

(10 x 1 = 10 weightage)

Section B

*Answer any **seven** questions.*

Each question carries weightage 2.

11. Principle and working of Atomic Force Microscope.
12. Explain Bacterial growth curve.
13. Brief account on diversity of microbial world.
14. Discuss medically important fungi.
15. Explain detection and enumeration of viruses.
16. Distinguish aerobic and anerobic respiration.
17. Explain bacteriological examination of drinking water.

Turn over

18. Discuss different sources of infection.
19. Explain lytic and lysogenic cycle.
20. Give an account on microbial drug resistance.

(7 x 2 = 14 weightage)

Section C (Essay Type Questions)

*Answer any **two** questions.*

Each question carries weightage 6.

21. Describe major classes of chemo-therapeutic agents and their mechanism of action.
22. Explain different plant microbe interactions.
23. Discuss the mode and source of infection, pathogenesis and prophylactic methods of Cholera and Tuberculosis.

(2 x 6 = 12 weightage)