

**D 33373**

**(Pages : 2)**

**Name.....**

**Reg. No.....**

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION  
FEBRUARY 2013**

(CUCSS)

Microbiology

MB 1C 03—ENVIRONMENTAL AND SANITATION MICROBIOLOGY

(2010 Admissions)

Time : Three Hours

Maximum : 36 Weightage

**Section A**

*Answer **all** questions in 2 **or** 3 sentences.*

*Each question carries 1 weightage.*

Answer *all* questions in one *or* two sentences each. Each question carries 1 weightage :

1. Proto co-operation.
2. Endophytic fungi.
3. Rhizobium.
4. VAM.
5. Soil extract agar.
6. Denitrifying bacteria.
7. High volume air sampler.
8. Allergen.
9. Bioterrorism.
10. Lysol.
11. Coliform bacteria.
12. *Vibrio cholera*.
13. BIS.
14. BOD.

(14 x 1 = 14 weightage)

**Turn over**

## Section B

*Write notes on any seven of the following.*

*Each question carries 2 weightage.*

15. Tar ball pollution.
16. Oxidation ponds.
17. Degradation of xenobiotics.
18. Water borne pathogens.
19. WHO.
20. Air microflora.
21. Nosocomial infections.
22. Biosensors.
23. Air sanitation in cinema hall.
24. Carbon cycle.

(7 x 2 = 14 wei

## Section C

*Discuss in detail about any two questions.*

*Each question carries 4 weightage.*

25. Methods of waste water treatment.
26. Microbial interactions in the soil.
27. Role of Bacteria in nitrogen cycle.

(2 x 4 = 8 weig-