

D 41458

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Name

Reg. No.

FIRST SEMESTER M.Sc DEGREE EXAMINATION, JANUARY 2008

Paper MB 1.3 T – ENVIRONMENTAL AND SANITATION MICROBIOLOGY

[2005 admissions]

Time : Three Hours

Maximum : 80 Marks

Section A

*Write about / answer all the questions,
each in **two** or **three** sentences.*

1. Rhizosphere.
2. Amensalism.
3. Nif gene.
4. Humus.
5. Heterocyst.
6. 'S' cycle.
7. Air borne human pathogens.
8. Ozonisation.
9. Bioaerosols.
10. Droplet nuclei.
11. Presumptive coliform test.
12. Faecal streptococci.
13. Global warming.
14. Sewage.
15. Tarball pollution.
16. Anaerobic sludge digester.
17. Biomagnification.
18. Marine microflora.
19. Biological indicators.
20. Composting.

(20 x 2 = 40 marks)

Turn over

Section B

Write notes on / discuss any five of the following.

1. Biological **Nitrogen** fixation.
2. Mechanism of phosphate **solubilization**.
3. Air **microflora**.
4. **MPN** technique for water analysis
5. Different techniques for Air sanitation.
6. Microbial management of industrial effluents.
7. Microbial degradation of petroleum wastes.

(5 x 8 = 40 marks)