

C 16880

(Pages : 2)

Name.....

Reg. No.....

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, JUNE 2011

MB 4.1 T.—MICROBIAL BIOTECHNOLOGY

(2005 admissions)

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

1. Lactobacilli.
2. Thiobacillus ferrooxidans.
3. Sodium alginate.
4. Azospirillum.
5. Oil eating bacterium.
6. Monoclonal antibody.
7. Microbial fuel cell.
8. Molasses.
9. Biopesticide.
10. Biosurfactant.
11. Immunostimulant.
12. Cotton bollworm.
13. Rhizosphere microflora.
14. GMO's.
15. Cellulolytic bacteria.
16. Xylanases.
17. Peptide vaccine.
18. Herbicide resistant plant.
19. Solid state fermentation.
20. Actinorrhizae.

(20 x 2 = 40 marks)

Turn over

Part B

*Answer any five questions.
Each question carries 8 marks.*

21. Microbial fuel cells.
22. Degradation of xenobiotics using microbes.
23. Hybridoma technology to produce monoclonal antibodies.
24. Mode of action of probiotics and their uses.
25. Recombinant proteins that are used for medical treatment.
26. Vaccine farming.
27. Gene therapy.

(5 x 8 = 40 marks)