

**FOURTH SEMESTER M.Sc. DEGREE EXAMINATION
SEPTEMBER 2007**

Microbiology

MB4.1T – MICROBIAL BIOTECHNOLOGY

(2005 Admissions)

Time : Three Hours

Maximum : 80 Marks

Section A

*Answer any **twenty** questions.
Each question carries 2 marks.*

Write briefly on:

1. Hollow fibre reactor.
2. Biosurfactants.
3. Biomining.
4. ATPase based cell quantitation.
5. Glucose biosensor.
6. Vaccine farming.
7. Milk flavour manipulation through rumen microflora.
Probiotics and their use.
9. Immobilisation by cross linking.
10. Fodder yeast.
11. Spirulina.
12. Microbe enhanced oil recovery.
13. Cyanobacterium as a biofertilizer.
14. Desulphurization of coal.
15. H₂ production by micro-organism.
16. G.M. Foods and its application.
17. Adeno virus in Gene Therapy.
18. Bacillus thuringiensis as a bioinsecticide.
19. Spin Bio reactors.
20. Medium for animal cell culture.
21. Microbial degradation of PAH.
22. Catabolic plasmids.

(20 x 2 = 40 marks)

Turn over