

D 41457

(Pages : 2)

Name...

Reg. No

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, JANUARY 2008

Microbiology

Paper - MB 1.2 T – GENERAL MICROBIOLOGY

[2005 admissions]

Time : Three Hours

Maximum : 80 Marks

Section A

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

1. Bacterial capsule.
2. Sex pili.
3. magnetosomes.
4. Prosthecae.
5. Protoplasts.
6. Thylakoids.
7. Bacterial flagellum.
8. Transposons.
9. Sporulation in bacteria.
10. PHB granules.
11. Point mutations.
12. Frame shift mutations.
13. UV as a mutagen.
14. Ames test.
15. Biotyping.
16. Phage typing.
17. Binomial nomenclature.
18. Archaeobacteria.
19. DNA homology experiments.
20. Type cultures.

(20 x 2 = 40 marks)

Turn over

Section B

*Write notes on / discuss any **five** of the following.*

1. Bacterial growth curve.
2. Anaerobic culture methods.
3. Methods of preservation of bacterial cultures.
4. Virus cultivation techniques.
5. Dry heat sterilization.
6. Factors affecting disinfection.
7. Mode of action of antibiotics.

(5 x 8 = 40 marks)