

D 22418

(Pages : 2)

Name.....

Reg. No.....

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, JANUARY 2012**

(CUCSS)

**General Biotechnology**

**GBT 103—MICROBIOLOGY**

(2010 Admissions)

Time : Three Hours

Maximum : 36 Weightage

**Section A**

*Answer all questions.*

1. TEM.
2. Give one example for ssDNA icosahedral phase.
3. What is the product of glycolysis ?
4. What is the causative agent for Syphilis ?
5. MIC.
6. What type of interactions between alga and fungus ?
7.  $\text{————} + \text{H}_2\text{O} \xrightarrow{\text{light}} (\text{CH}_2\text{O}) + \text{O}_2$ .
8. Cell counting is other wise called as  $\text{————}$
9. Study of fungi is  $\text{————}$
10. Biological reaction under the presence of  $\text{CO}_2$  is  $\text{————}$

(10 x 1 = 10 Weightage)

**Section B**

*Answer any seven questions.*

11. Define sterilization.
12. How can you make the balanced microbial growth ?
13. What is microbial taxonomy ?
14. Explain dermatophytes with examples.
15. Distinguish between the lytic and lysogenic cycles.
16. What are the methanogens ?
17. What is rhizosphere ?

Turn over

18. What are the saprophytes ? Give examples.
19. Microbial drug resistance.
20. Discuss on congenital infections.

(7 x 2 = 14 Weightage)

### Section C

*Answer any two questions.*

21. Elucidate the bacterial growth in batch culture.
22. Explain the citric acid cycle pathway.
23. Give a brief account on plant microbe interaction mechanisms.

(2 x 6 = 12 Weightage)