

D 33356

(Pages : 2)

Name

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, FEBRUARY 2013
(CUCSS)

General Biotechnology
GBI C3—MICROBIOLOGY
(2010 admissions)

Maximum : 36 Weightage

Time : Three Hours

Section A

Answer **all** questions.

1. Give one example for single stranded DNA virus.
 2. What is a prophage ?
 3. What is conidiophore ?
 4. What is commensalism ?
 5. The causative agent of Malaria is
 6. ~~Hanless~~ saprophytic species of *Mycobacterium* is
 7. The kingdom monera comprises
 8. Nitrogen fixing cyanobacteria contain a specialized cells called
 9. Mushroom poisoning is known as
 10. Organism gain energy from chemical are called
- (10 x 1 = 10 weightage)

Section B

Answer any seven questions.

11. Give a brief account on microbial drug resistance.
 12. What are the sources of infection ?
 13. Explain the role of microbes in biogeochemical cycles.
 14. Describe detection and enumeration of viruses.
 15. Explain bacterial photosynthesis.
 16. Discuss industrial importance of fungi.
 17. Distinguish selective, differential and enrichment media with suitable example.
 18. Discuss the principles of classification of microbes.
 19. Explain the classification of bacteriophages by Baltimore.
 20. Discuss the general characteristics of fungi.
- (7 x 2 = 14 weightage)

Turn over

Section C

Answer any two questions.

21. Explain the mode and source of infection, pathogenesis and prophylaxis of Cholera.
22. Discuss about different types of antimicrobial agents and their mode of action.
23. Give an account on microbial nutrition and nutritional classification.

(2 x 6 = 12 weight)