

15P218

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Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, JULY 2016

(CUCSS - PG)

(Environmental Science)

CC 15P ES2 C08 - ENVIRONMENTAL MICROBIOLOGY

(2015 Admission)

Time: Three Hours

Maximum: 36 Weightage

I. Answer all questions.

1. Microaerophilic Organisms
2. Antibiosis
3. Latent virus infection
4. Any two plant viruses
5. Viroids
6. Any two insect born diseases
7. Microalgae
8. Excystment
9. Any two environmental growth limitation factors
10. Enriched media
11. What is mean by gram positives
12. Antigens
13. Exotoxins
14. Stab culture

(14 x 1 = 14 weightage)

II. Answer any seven questions.

15. Explain the Microbial growth in natural environment
16. Describe the characteristics, classification of microalgae
17. Explain the characteristics of fungae
18. Explain the microbial communities associated with plants
19. Explain Bacterial nutrition
20. Explain insect borne viruses which is pathogenic to humans
21. Explain the cytocidal infection and cell damage by viruses
22. Explain the General properties of viruses
23. Explain the classification of Bacteriophages
24. Explain the protozoan classification

(7 x 2 = 14 weightage)

III. Answer any two of the following.

25. Write an essay on microbial community interactions in Environment
26. Explain the metabolic pathways of bacteria
27. Explain phenotypic, genotypic and serological characteristics of bacteria
28. Explain the various identification methods of microorganisms

(2 x 4 = 8 weight)
