

C 17115

(Pages 2)

Name

Reg. No.

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, AUGUST 2006

Microbiology

Paper V—SANITATION MICROBIOLOGY

(2004 and earlier admissions)

Time : Three Hours

Maximum : 80 Marks

Section A

*Write about **Ianswer** all the questions.*

1. What is the mode of action of ionizing radiations.
2. Biological weapons.
3. Bioaerosols.
4. What is the role of alum in water purification ?
5. Biological indicator.
6. Tyndalization.
7. Distinguish between sterilization and disinfection.
8. Indicate the methods used for detection of air Microflora.
9. Mode of action of Aflatoxins.
10. Selective media used for the isolation of salmonella in food.
11. What is the attractive feature of ethylene oxide for use as sterilant ?
12. What does phenol coefficient of 5.0 mean ?
12. How does β -propiolactone compare with other chemical sterilant ?
14. Methods of control of air microflora.
15. What are the different methods for testing disinfectants ?
16. MPN techniques for water analysis.
17. Explain the spoilage for canned food.
18. Define eutrophication.
19. How is room sanitation in hospitals accomplished ?
20. Importance of water quality in industries.

(20 x 2 = 40 marks)

Section B

Write notes on any five.

1. Microbial spoilage of meat.
2. Physical agents used for control of microbes.

Turn over

3. Microbiological examination of drinking water.
4. Techniques for microbiological sampling of air.
5. Evaluation of **antimicrobial** potency of disinfectant.
6. List the conditions which influence the efficacy of an antimicrobial agent.
7. Factors affecting the extent and type of air **microflora**.

(5 x 8 = 40 marks)