

S.No. 2003

12UMB08

(For the candidates admitted from 2012– 2013 onwards)

B.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

Sixth Semester

Microbiology

ENVIRONMENTAL AND PHARMACEUTICAL
MICROBIOLOGY

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Aeromicrobiology
2. Hesse's Tube method
3. Potable water
4. Enteric water
5. BOD
6. Zooalgae film
7. Define Antiseptics
8. Disinfection

9. Vaccine
10. Toxoid.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain air borne bacterial diseases.
Or
(b) Write short note on airborne fungal diseases.
12. (a) Write about potability of water.
Or
(b) Explain the role of indicator organisms.
13. (a) Explain Trickle filter method.
Or
(b) Describe about the process of activated sludge.
14. (a) Write short note on pyrogen testing.
Or
(b) Describe about disinfectants.
15. (a) Explain the production of Toxoid.
Or
(b) Describe about the production of vaccine.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write in detail about enumeration of bacteria from air.
17. Describe water borne diseases and control measures.
18. Explain an overview of sewage treatment.
19. Explain in detail about the preparation of Anti sera and their standardization.
20. Describe about sterility testing of pharmaceutical testing of pharmaceutical products.