APRIL 2017 **1709110/UMYA42A**

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is mean by indoor air?

2. Define the term rancidity.

3. Which organism used for the production of acetone, and butanol?

4. What is submerged culture process?

5. What is mean by vertical transmission?

6. Write the difference between primary and booster dose.

7. Give some examples of bacterial vaccines.

8. What way radiation used for sterilization?

9. Define antiseptics.

10. Define F plasmid.

11. Write the composition of DNA.

12. Define Ti plasmid.

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Write short notes on sources of microorganisms in air.

14. Explain the preservation of food by using low temperature.

15. List out the dairy products.

16. Write the principle and procedure of phosphatase and reductase tests.

17. Write elaborate note on citric acid production.

18. Write the detailed note on virulence factors.

19. Write about the tools of genetic engineering.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain in detail about airborne diseases.

21. Explain the microbial spoilage of different kinds of food.

22. Write elaborate note on ethyl alcohol production and their applications.

23. Write short notes on passive immunity.

24. Explain the chemical agents used to disinfectants.

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