

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, JUNE 2015

(CUCSS)

Microbiology

MB 2C 07—FOOD AND AGRICULTURAL MICROBIOLOGY

Time : Three Hours

Maximum : 36 Weightage

Section A

Answer **all** questions in two **or** three sentences each.
Each question carries a weightage of 1.

Comment on :

- | | |
|---------------------------------|-------------------------------------|
| 1. Coconut wilt. | 2. Ti plasmid. |
| 3. <i>Rhizobium</i> . | 4. Endophytes. |
| 5. Yoghurt. | 6. Rumen microflora. |
| 7. FAO. | 8. <i>Entomophthora muscae</i> . |
| 9. Ectomycorrhizae. | 10. <i>Listeria monocytogenes</i> . |
| 11. <i>Bacillus popilliae</i> . | 12. Sausage. |
| 13. Food intoxication. | 14. Freezing. |

(14 x 1 = 14 weightage)

Section B

Write short notes on any **seven** questions.
Each question carries a weightage of 2.

15. Viruses used in pest control.
16. Salmonellosis.
17. Principles of HACCP.
18. Fermented milk products.
19. Microbial antagonism.
20. Biofertilizers.
21. Epizootic ulcerative syndrome in fish.
22. Bt and mosquito control.
23. Plant defence mechanisms.

(7 x 2 = 14 weightage)

Turn over

Section C

*Discuss in detail about any **two** questions.*

Each question carries a weightage of 4.

24. Symbiotic nitrogen fixation.
25. Preservation of food by chemicals.
26. Principles of spoilage of food.

(2 x 4 = 8 weightage)