

M.Sc. DEGREE (C.S.S.) EXAMINATION, JUNE 2015**Fourth Semester**

Faculty of Science

Branch VI—Botany—Elective—Microbiology

PE1—FOOD, AGRICULTURAL AND ENVIRONMENTAL MICROBIOLOGY

(2012 Admission onwards—Regular/Supplementary)

Time : Three Hours

Maximum Weight : 30

I. Answer any *six* of the following in not less than 50 words each (weight 1 each) :—

- 1 Salmonellosis.
- 2 Staphylococcal food poisoning.
- 3 Role of Aspergillus in food spoilage.
- 4 Pasteurization.
- 5 Fungal biofertilizer.
- 6 Prototrophs.
- 7 Microbial plastics.
- 8 Membrane filtration technique.

(6 × 1 = 6)

II. Answer any *seven* of the following in not less than 100 words each (weight 2 each) :—

- 9 Give an account of chemical preservatives of food.
- 10 Describe fermented milk products.
- 11 Differentiate ecto and endomycorrhiza.
- 12 Mention the significance of Azolla-Anabaena association.
- 13 Describe bacterial insecticides.
- 14 Explain serial dilution.
- 15 Mention the use of IMVIC test.
- 16 Write notes on uncultivable microbes.
- 17 Multiple tube fermentation test.
- 18 Microbial leaching.

(7 × 2 = 14)

Turn over