FACULTY OF SCIENCE
M. Sc. IV – Semester Examination, May / June 2016

Subject: Microbiology

Paper – III: Microbiology of Food and Environment

Time: 3 Hours

Max. Marks: 80

Note: Answer all questions from Part–A and Part–B. Each question carries 4 marks in Part–A and 12 marks in Part – B.

PART – A (8 x 4 = 32 Marks)
(Short Answer Type)

1. Sauerkraut
2. Idli
3. Rumen
4. Confirmed test
5. Insecticide degrading microbes
6. Rhizosphere
7. Methanogenesis
8. Septic tank

PART – B (4 x 12 = 48 Marks)
(Essay Answer Type)

9. (a) Describe the microflora of milk and add a note on their control.
   (b) Describe the various methods of Food prevention techniques.

10. (a) Describe in detail about methanogenic bacteria and their role in biogas production.
    (b) Write about the microbial and animal interactions in termites.

11. (a) Write about the role of microbes in degradation of any two herbicides.
    (b) Describe the various types of Mycorrhizal associations and write about their importance.

12. (a) Describe the various diseases caused by water borne pathogens.
    (b) Give detailed account on sewage water treatment and explain the role of microbes in the treatment.

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