



Code No. : **934**

**FACULTY OF SCIENCE**  
**M.Sc. IV Semester Examination, April/May 2013**  
**MICROBIOLOGY**  
**Paper – III : Microbiology of Food and Environment**

Time : 3 Hours]

[Max. Marks : 80

**Note** : Answer *all* questions. *Each* question carries 4 marks in Section A and 12 marks in Section B.

**SECTION – A**  
**(Short Answer Type)**

**(8×4=32 Marks)**

1. Kefir
2. Redox Potential
3. Acidification
4. Celluloses
5. VAM
6. Allergens
7. Rhizosphere effect
8. Anderson sampler.

**SECTION – B**  
**(Essay Type)**

**(4×12=48 Marks)**

9. a) Describe the microbial products of milk.  
OR  
b) Give an account on detection of spoilage in canned foods.
10. a) Discuss termite ecology.  
OR  
b) Role of microbes in production of fuels from domestic waste.
11. a) Discuss importance and degradation of fungicides in environment.  
OR  
b) Describe the microbial interactions in Rhizosphere region.
12. a) Give an account of sources of water pollution and their role in transmission of diseases.  
OR  
b) Give an account of solid waste management and problems associated with it.