

**FACULTY OF SCIENCE**  
**M. Sc. IV – Semester Examination, May / June 2017**

**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. Stock culture
2. Microflora of milk
3. Termite ecology
4. Methanogens
5. Insecticides
6. AM Fungi
7. Septic tank
8. Coliforms

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

9.(a) Give an account of fermented foods.

**OR**

(b) Discuss food preservation methods and food poisoning.

10.(a) Discuss the ecology of Rumen.

**OR**

(b) Describe the production of Biogas from domestic waste.

11.(a) Give an account of microbe plant interaction and their significance.

**OR**

(b) Discuss the problem of persistences of pesticides in enrichment and their mitigation strategies.

12.(a) Give an account of water pollution due to microbes and diseases caused by them.

**OR**

(b) Describe micro flora of air and their sampling and importance.

\*\*\*\*\*