FACULTY OF SCIENCE
M. Sc. IV – Semester Examination, April / May 2014

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. Listeria
2. aw
3. Methanogenesis
4. Lignocellulosic waste
5. To L – plasmid
6. Ecto mycorrhizae
7. Endotoxin
8. Septic tank

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

9. (a) Discuss the process of cheese production and its ripening.
   OR
   (b) Give an account of intrinsic factors on shelf life of foods.

10. (a) Discuss biogas production from Agricultural waste.
    OR
    (b) Discuss organic manure production from agricultural waste.

11. (a) Discuss the role and importance of Rhizosphere microflora.
    OR
    (b) Give an account of recalcitrants and the biodegradation of pesticides.

12. (a) Discuss the air borne pathogens and their role in disease.
    OR
    (b) Describe methods to determine microbiological water quality.

*****