

Code No. 9509

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 a_w
- 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.
