FACULTY OF SCIENCE
B.Sc. III Year Examination, March/April 2012
MICROBIOLOGY
(Paper – IV) (Applied Microbiology)

Time : 3 Hours] [Max. Marks :100

Note: Answer all questions from Section A and B.

SECTION – A
(Short Answer Type) (8x5=40 Marks)

1. Ground nut rust.
2. Symbiotic \( N_2 \) fixation.
5. Probiotics.
6. Cheese production.
7. Fermenter design.
8. Biogas.

SECTION – B
(Essay Answer Type) (4x15=60 Marks)

9. a) Describe the role of plant growth promoting microbes in improving crop yield.
   OR
   b) What are biopesticides ? Explain how a biopesticide acts with a suitable example.

10. a) What is sewage treatment ? Describe important steps involved in sewage treatment.
    OR
    b) Explain the role of microbes in carbon cycle.

11. a) What is SCP ? Explain how SCP can be produced with suitable examples.
    OR
    b) Describe the spoilage of different food materials with a note on prevention.

    OR
    b) Explain the principles of Beer manufacture.