

1129

**B.A./B.Sc. (General) Third Semester
Industrial Microbiology
IMB-302: Agricultural Microbiology**

Time allowed: 3 Hours**Max. Marks: 33**

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Write short note on following:-

- a) Biodegradation (2)
- b) Asymbiotic Nitrogen fixation (2)
- c) *Rhizobium* (2)
- d) Methanogens (2)
- e) Pathogens (1)

UNIT – I

II. Describe the efficacy of bioherbicide on effective weed control. (6)

III. Discuss advantages of biofertilizers over chemical fertilizers. (6)

UNIT – II

IV. Explain in details TMV and blight of rice disease. (6)

V. What are the various ways to control crop diseases? (6)

UNIT – III

VI. How pesticides enter food chain and subsequently get into our body? (6)

VII. Discuss Rinder pest disease in details. (6)

UNIT – IV

VIII. Explain pathway of nucleic acid breakdown. (6)

IX. What is the difference between sulphate reducing and sulphate oxidizing bacteria (6)

x-x-x