

- VI. Give in detail the mechanism of action, diagnosis and treatment for bacterial disease Tuberculosis.
- VII. What is Single Cell Protein (SCP) ? Enlist the microorganisms used in the production of SCP. Give advantages and disadvantages of SCP.
- VIII. Describe in detail about various methods used in municipal solid waste transformations. Which method is most suitable and why ?

Exam. Code : 107402
Subject Code : 1749

B.Sc. (Bio Technology) 2nd Semester
GENERAL MICROBIOLOGY—II
Paper—BTL-154

Time Allowed—2 Hours] [Maximum Marks—40

Note :— There are *eight* questions of equal marks. Candidates are required to attempt any *four* questions.

- I. Define microbial growth. Describe various methods used to measure microbial growth. Which method you understand is most suitable and why ?
- II. What are Endospores ? Describe the process of endospore formation in a bacterial cell with the help of suitable diagrams.
- III. What are viruses ? Give the characteristic features of viruses and briefly describe their components.
- IV. Define Plant Viruses. Describe the structure and Life cycle of Tobacco Mosaic Virus.
- V. What is difference between 'Pathogenicity' and 'Virulence' ? Define endotoxins. Give the comparative account of exotoxins and endotoxins.