



EASTERN UNIVERSITY, SRI LANKA
FACULTY OF AGRICULTURE

First Year Second Semester Examination in Agriculture- 2002/2003
AGB 1202 General Microbiology

Answer All Questions

Time : 02 Hours

-
1. a. Draw clearly labeled diagrams of the cell wall structures of a Gram positive and Gram negative bacteria
b. Give the importance of bacterial cell wall structure in pathogenicity
 2. Write short notes on the following
 - a. Symbiosis between micro organisms and plants
 - b. Heat sterilization methods practiced in microbiology
 - c. Micro organisms as a food source
 3. a. List the different kinds of Antibiotics based on their chemical structure with an example for each.
b. List out the major microbial enzymes used in Industries and their applications
c. List the different modes of action of antibiotics.
 4. a. Draw a typical growth curve of a bacteria in a batch culture.
b. List the different growth phases of the above curve.
c. Explain the possible reasons for the above phases of the growth curve.