

Answer all questions.

Time allowed : 2 Hrs.

Answers should be written in English.

1. a. Briefly explain the importance of biofertilizers in agriculture.
b. Illustrate the influence of soil pH on the availability of soil phosphorus.
2. a. Explain the method of manufacture of Urea and its conversion in soil.
b. Explain the mechanism by which the soil nutrients reach the root zone.
3. "The atmosphere is said to be an important source of soluble nutrients for both sulfur and nitrogen". Compare the amounts of each element coming to the soil as well as mechanisms by which each element is made available to plants.
4. Write notes on the following.
 - a. Chelates.
 - b. Use of mixed fertilizers in Agriculture.
