

SECTION B

2. Discuss role of beneficial and essential plant nutrients for plant growth.
3. Give criteria of essentiality for different plant nutrients.
4. Discuss different chemical methods for reclamation of acidic soils.
5. Describe techniques to increase nutrient use efficiency.
6. How DRIS approach is beneficial for plant analysis?

SECTION C

7. How alkaline soils are formed? Explain methodologies for their reclamation.
8. Explain methods of soil testing. Give critical limit of N, P, K, Ca, Mg, S, Zn, Cu, Fe and Mn for soil.
9. Discuss effect of fertilizers and insecticides on soil.