

**Question:** What are the advantages of inter cropping and crop rotation?

**Hint:** These practises are completely different from each other. One practise shows growing of different family crops on same land in subsequent years whereas other practise refers to growing different crops on the same field simultaneously.

**Solution:**

**Complete step by step answer:**

In this specific question, we need to understand the significance of agricultural practises that not only increases the productivity, but also improves the health of the soil and the crops. Firstly, we should learn about the intercropping. When we grow two or more crops simultaneously on the same land in the definite pattern, it is called intercropping. It is done to increase productivity per unit area and pest management. One crucial point to be focussed in this practise is the optimal use of resources and maximum utilisation of nutrients present in the soil. Eg: Sugar cane, Grams, etc. can be cultivated within a piece of land simultaneously by following a specific pattern. Now let us discuss about the crop rotation. When different crops are sown on the same land in the pre-planned succession. In this process, farmers rotate crops in their fields so as to maintain the nutrition value thereby increasing the productivity of the farming land. Eg: If you cultivate sugarcane continuously on a land for three years, you should halt this cultivation in the next year because the soil gets deficient in essential elements like Nitrogen which is crucial for cultivation, thereby resulting in low productivity in the final year. To avoid this deficiency and low productivity and to improve soil condition, if you cultivate some another crops such as grams, it increases nutrients of the land and reconditions the soil fertility.

**Note:** We need to keep in mind that although these practices are different from each other but these both increases the yield per unit area by improving the soil fertility.