

Case Study 1: Deforestation in a Village

A village near a forest has been cutting down a large number of trees for firewood and to clear land for farming. Slowly, the rainfall in the area has decreased, wild animals are entering the village in search of food, and the soil is losing fertility.

Questions:

1. What are the main causes of deforestation in this case?
2. How is deforestation affecting rainfall and soil fertility?
3. Suggest two measures the villagers can adopt to meet their needs without harming the forest.
4. Which government programme or law helps to protect forests and wildlife in India?

Case Study 2: Sariska Tiger Reserve

Sariska in Rajasthan was declared a Tiger Reserve under Project Tiger. However, due to poaching and habitat destruction, the tiger population reduced drastically. Strict laws and relocation of villages inside the reserve were later carried out to protect tigers.

Questions:

1. Why was Sariska declared a Tiger Reserve?
2. How did poaching affect the ecosystem of Sariska?
3. What steps were taken to conserve the tigers?
4. Define "Wildlife Sanctuary" and explain its importance.

Case Study 3: Local Biodiversity Park

A city municipal corporation created a biodiversity park with native trees, medicinal plants, butterflies, and bird species. School students regularly visit the park for awareness programs.

Questions:

1. Why is it important to grow native species instead of exotic species in the park?
2. How do biodiversity parks help in conservation?

3. Mention two advantages of educating students about biodiversity.
4. Give one difference between a National Park and a Biosphere Reserve.

Case Study 4: Extinction of Animals

The Great Indian Bustard is on the verge of extinction due to habitat loss and hunting. It is now listed under critically endangered species.

Questions:

1. What do you mean by “endangered species”?
2. How does the extinction of a species disturb the ecological balance?
3. Mention two human activities that are causing extinction of animals.
4. Name one government organization or project in India working for the conservation of endangered animals.