

## Chapter-7 Conservation of Plants and Animals

**Question: Differentiate between the following:**

- i. Wildlife sanctuary and biosphere reserve
- ii. Zoo and wildlife sanctuary
- iii. Endangered and extinct species
- iv. Flora and Fauna

**Answer:**

- i. Wildlife sanctuary and biosphere reserve

*Wildlife sanctuary: Wildlife sanctuaries are areas where animals are protected from any disturbance to them and their habitats. Eg: Pachmarhi and Bird sanctuary.*

*Biosphere reserve: Biosphere reserves are the areas meant for conservation of Biodiversity. Biosphere reserve may also contain other protective areas. Eg: National Parks and Wildlife Sanctuary.:*

- ii. Zoo and wildlife sanctuary

*Zoo: Zoo is an artificial set up where animals are kept with all facilities. It is often visited by children.*

*Wildlife sanctuary: Wildlife sanctuaries are areas where animals are protected from any disturbance for their habitat. Eg: Pachmarhi and Bird Sanctuary.*

- iii. Endangered and extinct species

*Endangered species: Endangered species are animals whose number are diminishing to a level that might face extinction are known as endangered species. Eg: Barasingha, Tiger and Elephant.*

*Extinct species: Extinct species are those species of animals which have extinct long ago due to disturbance in their natural habitats.*

iv. *Flora and Fauna*

*Flora: Flora means the plant living in an ecosystem.*

*Fauna: Fauna means the animals that are living in an ecosystem*

**Question:- Discuss the effects of deforestation on the following.**

- i. Wild animals**
- ii. Environment**
- iii. Villages (Rural areas)**
- iv. Cities (Urban areas)**
- v. Earth**
- vi. The next generation**

**Answer:**

*i. Wild animals*

*Effects of deforestation on wild animals will lose their habitat and will also face the danger of extinction.*

*ii. Environment*

*Deforestation increases temperature and pollution level on the earth. It disturb rainfall, weather pattern, and fertility of the soil. Deforestation also increases the chances of natural disasters such as flood and drought.*

*iii. Villages (Rural areas)*

*Deforestation decreases rainfall that may cause drought, fewer trees result in more soil erosion, loss of humus and less fertility of the soil. All these causes may lead to less production of crops and effect the livelihood of villages.*

*iv. Cities (Urban areas)*

*Deforestation will cause more pollution in cities. It will also cause shortage of water and scarcity of food.*

v. *Earth*

*Earth will face disturbed weather pattern and global warming.*

vi. *The next generation*

*Due to deforestation the next generation will face scarcity of water and fresh air. They may not have enough food and will also be deprived of flora and fauna of the earth.*

**Question:- What will happen if.**

i. ***We go on cutting trees.***

ii. ***the habitat of an animal is disturbed.***

iii. ***the top layer of soil is exposed.***

**Answer:**

i. *We go on cutting trees.*

*If we go on cutting trees rainfall and fertility of the soil will decreased. It increases temperature, and pollution level on the earth. It will cause global warming.*

ii. *the habitat of an animal is disturbed.*

*When habitat of an animal is disturbed, their existence will be endangered.*

iii. *the top layer of soil is exposed.*

*When top most layer of the soil is exposed soil will become infertile and convert into desert over a period of time.*

**Question:- Answer in brief.**

a. *Why should we conserve biodiversity?*

*Biodiversity refers to the variety of living organisms in specific area. It is to be conserved to protect the flora and*

*fauna of that area. It protects the endemic species of plants and animals.*

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- b. Protected forests are also not completely safe for wild animals. Why?*

*Protected forests are not safe because people living in the neighborhood encroach upon them and destroy them. Still some people kill or capture the protected animals for fun and trade.*

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- c. Some tribal's depend on the jungle. How?*

*Some tribal's live in jungle and completely depend on them for their survival. They do not harm or destroy the flora and fauna of that place instead help them replenished. Their traditional life is also preserved in Biosphere reserve.*

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- d. What are the causes and consequences of deforestation?*

*Causes*

- i. Procuring land for cultivation*
- ii. Building houses and factories*
- iii. Making furniture or using wood as fuel.*
- iv. Soil erosion*
- v. Forest fire*
- vi. Natural calamities such as flood, drought, and volcanoes.*

## Consequences

- vii. Deforestation increases the temperature and pollution level on the earth.
  - viii. It increases the level of carbondioxide in the atmosphere.
  - ix. Groundwater level gets lowered.
  - x. Deforestation disturb the balance in nature.
  - xi. Rainfall and the fertility of the soil will decrease.
  - xii. Increases chances of natural clamities such as flood and drought.
  - xiii. This will lead to global warming as carbondioxide traps the heat reflected by the earth.
  - xiv. Fewer trees result in more soil erosion.
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*Question: What is Red Data Book?*

*Answer: The red data book is the source book which keeps a record of all endangered animals and plants. There are different Red Data Book for plants, animals, and other species.*

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*Question:- What do you understand by the term migration?*

*Answer:- Migration is the phenomenon of movement of a species from its own habitat to some other habitat for a particular time period every year for a specific purpose like breeding.*

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*Question:- Explain how deforestation leads to reduced rainfall.*

*Answer:- Deforestation will lead to global warming as carbondioxide*

*traps the heat rays reflected by the earth. The increase in temperature on the earth disturb the water cycle and may reduce rainfall. This could cause drought.*

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*Question:- Why should paper be saved? Prepare a list of ways by which you can save paper.*

*Answer: Paper should be saved because to make paper many trees are cut down. Just to make 1 ton of paper, 17 full grown trees are cut down. Following are the ways to save water.*

- vii. recycle paper six to seven times for use.*
  - viii. each student should save at least one sheet of paper.*
  - ix. saving paper not only saves trees but also saves energy.*
  - x. it also prevent the much use of chemicals.*
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