

d. Wild life sanctuary and biosphere reserve.

Wildlife sanctuary

biosphere reserve.

1. It is ~~provi~~ provided ~~for~~ for protection of animals in natural habitat. These are the areas meant for conservation of biodiversity.
2. They have been ~~natur~~ naturally kept in forest with plant & animals. It is a specified land area which is divided into 3 zones.
3. It is for animals and birds. It is for plant and animals.

e. Deforestation and Reforestation.

Deforestation

Reforestation

- ① Cutting down of tree in a large area of forest. Replantation of plants in a cutted ~~land~~ land.

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plants → 0 tree ferns
② gymnosperm

plants ginkgo
→ tree ferns

1) Zoological Parks and wild life Sanctuaries

Zoological Parks

Wild life Sanctuaries

① Zoos are maintained in big town.

It is provided for protection and animal in natural habitat

② They create artificial surrounding for natural ~~for~~ ⁱⁿ ~~area~~ ^{area}.

They have been naturally kept in forest with tree and plants.

③ In zoo human activity is allowed. zoos for both plants & animals.

In Wild life sanctuaries human activities are ~~top~~ highly restricted

④ ~~Wild life sanctuary is specifically for both.~~

Wild life sanctuary is specifically for both birds

prepared ~~for~~ for plants

prepared for animals

3 It is scientific collection of plants

It is scientific collection of animals.

b. Endangered species and Extinct species

Endangered species
Extinct

Extinct species
Endangered.

1 The plants and animals are those who lived at time but ^{now} no more exist.

2) The plant and animal are those who are in danger and going to extinct.

2 They have been lost forever.

Seen that the natural growth and multiplication slowed down.

3 Extinction species due to many reasons such as. deforestation & habitat loss.

The small animals are in more danger as big animal eat them.

4. ~~ami-plant~~ animal ex -> ① Dodo
 ② Dinosaur.

plant ex -> ① lion
 ② tiger.

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9. Why do we consider tiger as an endangered species.

Ans We consider tiger as an endangered species because of the following reasons.

- 1 habitat loss.
- 2 poaching
- 3 decline prey
- 4 No reproductive rate

Long Answer type question.

1 Difference between.

a. Flora and Fauna.

Flora and Fauna	Fauna.
1 The plant growing naturally in a particular area known Flora.	The animal inhabit naturally in a particular area known as Fauna.

2 Flora term is re - Fauna term is re -

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Continuously, the entire of life. All the food chains in an ecosystem constitute a food web. Ultimately, the entire ecosystem is a self-sustaining life support system.

8. Write a note on 'project tiger'.

A → Ministry of Environment and Forests (MEF) initiated a project tiger as the population of tigers in India slowly going down, funded by World Wide Fund for nature (WWF) for preserving & tiger population from exploitation by man and help its multiplication in its 'Natural Habitat' in the year 1972. For this nearly 18 tigers reserves have been created in India, where efforts are made to provide a natural habitat to tigers and encourage their breeding.

15. What do you understand 'migration' in respect to birds.

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16. How recycling of paper and reforestation serve the same purpose in respect to wild life?

A → Reforestation is important for all the wildlife conservation projects is the protect and rejuvenation of lost forests. The forest keeps the natural cycle of water, oxygen and nutrients ~~etc~~ going on.

Where recycling of paper prevents the excessive cutting of trees for wood to form paper. As we can ~~recycle~~ recycle a one paper again and again.

~~By~~

17. Explain 'excessive exploitation of natural resource leads to degeneration of biodiversity.'

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A-> Migration: is a adaptation to overcome the harsh ~~&~~ and cold period of their habitat to a warmer place and to lay eggs.

It is common with many birds that they move one place to ~~an~~ another place to avoid harsh and extremely cold condition. These birds which migrate from place to place ~~&~~ are termed as migratory birds.

Koel in India is known as 'spring bird'. It migrates keeping itself only in the region where there is spring season.

Many bird migrate to escape extreme cold ~~cont~~ conditions of weather to warmer region and return back to their natural habitat at the approach of summer season.

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v) Landslides along the hilly region covered with forest: Carry many of the life forms with the sliding rocks and mud and bury them under the debris, destroying the forest and forest life.

6. What are major causes of extinction of species?

Ans. The major causes of extinction are:

- i) Cutting of trees.
- ii) climatic change.
- iii) Shortage of food.
- iv) loss of habitation.
- v) upheavals on earth's surface or due to extensive killing.

7. How ecosystem is the self-supporting system an organism.

Ans. Food Chain is a linked system of organisms, and each organisms is important for the next to maintain the

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iv. Use of timber for furniture, housing and industries.

2. Natural causes of deforestation.

i) Forest Fires → Forest fire spreads to cover a large area and is not easily controlled. It results in great loss to biodiversity.

ii) Climatic change and severe drought: Absence of rain or poor rain for a long period results in severe drought. Plants and animals die without water and life in the forest is lost.

iii) Storms and cyclones: are caused by strong winds and disturbance in the atmosphere.

iv) Earthquakes: Earthquake along sea coast cause Tsunami which is highly damaging to the coastal land and aquatic life.

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→ Biosphere reserve helps conserve wildlife, provide certain daily needs of the tribal people living around and are a good source of environmental education.

5. What are possible reasons of destruction of forest?

Ans. The reasons for destruction of forest are as follows:

1. Human Activities Resulting in Deforestation.

i) Urbanisation and increasing human population is a major cause of deforestation.

ii) Procuring land for cultivation, housing or setting up of ~~ind~~ industries.

iii) Use of wood as fuel, for making paper or wood product such as matchsticks, splinters or planks for boats, carts and wooden crates.

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Ans. Biosphere reserve is a specified land area which is demarcated into different zone with specified activities in each zone.

① Protected Zone : Human activity in this zone is totally prohibited. No cutting of trees even collection dead firewood and dry grass from the area is prohibited.

② Buffer Zone. In this zone sapling are planted to replace dead plant from reforestation. Tourist are encouraged to visit this zone to educate them about to importance to save the environment.
protection

③ Nursery Zone. ~~Protect~~ of shelter and managed ~~source~~ source of food for wild life including preparing manure. This is actually a zone where activities for the development and betterment of forest and ~~at~~ wildlife are being undertaken.

- | | |
|--|--|
| ① It is destruction of trees | It is act of planting in destroyed forest area. |
| ② Deforestation convert green land in barren. | Reforest is similar to afforestation but both terms a different. |
| ③ lead to decline in habitats & bio biodiversity | It is done in order to safe guard biodiversity. |

2. What is importance of biodiversity?

Ans Biodiversity is essential for the process that support all life on earth, including ~~humans~~ human. Without a wide range of animals, plants and micro-organisms, we can't have a healthy ecosystems that we relate related on to provide us with the air we breath and the food we eat. And people also value nature of itself.

Describe the basic design of a biosphere reserve.

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