

- (Q.) What is deforestation?** (1 Mark)
(Ans) Clearing of forests to use that land for other purposes is called deforestation.
- (Q.) What do you understand by biodiversity?** (1 Mark)
(Ans) Biodiversity is the different types of living organisms present on the earth, their interrelationships and their relationship with environment.
- (Q.) What is the difference between flora and fauna?** (1 Mark)
(Ans) Flora
Fauna
It includes all the plants of a particular area.
It includes all the animals of a particular area.
- (Q.) What is species?** (1 Mark)
(Ans) Species is a group of same type of organisms that can interbreed to reproduce fertile offspring.
- (Q.) Name the first Reserve Forest of India.** (1 Mark)
(Ans) The first Reserve Forest of India is Satpura National park.
- (Q.) Name the book that keeps a record of the endangered animals and plants.** (1 Mark)
(Ans) Red Data book
- (Q.) What are migratory birds?** (1 Mark)
(Ans) The birds that cover long distances to move to other places during a particular time of the year are called migratory birds.
- (Q.) Give one plant and one animal species which are the endemic species of Panchmarhi Biosphere Reserve.** (1 Mark)
(Ans) Wild mango is an endemic plant species and giant squirrel is an endemic animal species of Panchmarhi Biosphere Reserve.
- (Q.) Name two natural causes of deforestation.** (1 Mark)
(Ans) Natural causes of deforestation are fire and severe droughts.
- (Q.) What is a biosphere?** (1 Mark)
(Ans) A biosphere is a part of the earth in which living organisms exist or which supports life.
- (Q.) Who lays down rules and policies to protect and conserve forests?** (1 Mark)
(Ans) Government lays down rules and policies to protect and conserve forests.

(Q.) What activities are strictly prohibited in a wildlife sanctuary? (1 Mark)

(Ans) Activities like poaching and hunting are strictly prohibited in a wildlife sanctuary.

(Q.) What is an ecosystem? (1 Mark)

(Ans) An ecosystem is a system made of all living organisms in an area and their non-living environment like soil, climate, etc.

(Q.) What will happen to a deforested area if it is left undisturbed? (1 Mark)

(Ans) If a deforested land is left undisturbed, it gets reforested naturally.

(Q.) What is desertification? (1 Mark)

(Ans) Conversion of fertile land into unfertile desert is called desertification.

(Q.) What are endemic species? Give one example. (2 Marks)

(Ans) Endemic species: These are the species of plants or animals which are found exclusively in a particular area and are not found anywhere else naturally. For example: Flying squirrel is an endemic species of Panchmarhi Biosphere Reserve.

(Q.) What is the difference between a zoo and a wildlife sanctuary? (2 Marks)

(Ans) Zoo

Wildlife Sanctuary

It is a place where wild animals are kept in captivity or artificial setting.

It is a place where wild animals are kept in their natural environment.

(Q.) Name the national park and sanctuaries that constitute Panchmarhi Biosphere Reserve. (2 Marks)

(Ans) Satpura national park, Bori and Panchmarhi wildlife sanctuaries constitute Panchmarhi Biosphere Reserve.

(Q.) Give two reasons which endanger the existence of endemic species. (2 Marks)

(Ans) Two reasons that endanger the existence of endemic species are:

Destruction of their natural habitat.

Introduction of new species in their habitat.

(Q.) What are the objectives of Forest Act? (2 Marks)

(Ans) The objectives of Forest Act are:

To preserve and conserve natural forests.

To meet the basic needs of the people living in or near forests.

(Q.) How floods are caused due to deforestation? (2 Marks)

(Ans) Deforestation causes decrease in the water holding capacity of the soil. This causes reduction in movement of water from the soil surface into the ground. Hence the floods are caused.

(Q.) What are the various purposes for which trees are cut? (3 Marks)

(Ans) Following are the various purposes for which trees are cut:

To obtain land for cultivation.

To obtain land for building houses and factories.

To obtain wood for fuel and making furniture.

(Q.) Name the protected areas meant for protection of flora and fauna. (3 Marks)

(Ans) Protected areas for protection of flora and fauna are:

Wildlife sanctuaries

National parks

Biosphere Reserves

(Q.) Why do we need to save paper? Give three reasons. (3 Marks)

(Ans) We need to save paper for the following reasons:
To save trees as wood from trees is used in making paper.
To save energy used in making paper.
To reduce use of harmful chemicals used in making paper.

(Q.) Suggest three steps that can be taken to conserve forests? (3 Marks)

(Ans) Steps that can be taken to conserve forests are:

Reuse and Recycling of paper.

Strict laws for preventing deforestation.

Reforestation.

(Q.) Why do we need the forests? Give three reasons. (3 Marks)

(Ans) Forests are essential because they:-

- form different types of ecosystems and biomes and create an environment which affects various types of animals and plants.
- keep the environment cool by regulating transpiration and precipitation.
- have aesthetic, cultural and spiritual importance.

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(Q.) Why conservation of forests and wildlife sanctuary is necessary? (3 Marks)

(Ans) Conservation of forests and wildlife sanctuary is necessary because they:

- Balance the biosphere and biological diversity.
- Control soil erosion and landslides.
- Arrest rain torrents and maintain soil solubility.

(Q.) Deforestation is a harmful activity. Give reasons for the given statement. (5 Marks)

(Ans) Deforestation is a harmful activity because of its ill effects like:

It can lead to droughts.

It can convert fertile land into deserts.

It can bring floods.

It changes the properties of the soil like content, texture, etc.

It affects the population of the wild animals of the forests.

(Q.) How does deforestation cause droughts? (5 Marks)

(Ans) Deforestation decreases the number of trees. Trees use carbon dioxide for photosynthesis. Decrease in number of trees causes less use of carbon dioxide. This leads to increased amount of carbon dioxide in air causing global warming as carbon dioxide traps heat rays reflected by the earth. Global warming disturbs the water cycle and may reduce rainfall hence leading to droughts.

(Q.) How does deforestation cause desertification? (5 Marks)

(Ans) Deforestation decreases the number of trees. As the number of trees decrease, soil becomes loose and the top fertile soil gets easily removed. Thus the fertile land gets converted to a desert. This process is called desertification. Thus deforestation causes desertification.