

23rd April, 2019
Tuesday

Chapter 2.

Land, Soil, Water, Natural Vegetation & Wildlife

Q1: Which are the two main climatic factors responsible for soil formation?

Ans: The major factors of soil formation are the nature of the parent rock and climatic factors.

Q2: Write any two reasons for land degradation today.

Ans: Factors which lead to soil degradation are deforestation, overgrazing, overuse of chemical fertilisers or pesticides, rain wash, landslides and floods.

Q3: Why is land considered an important resource?

Ans: Land is used for different purposes such as agriculture, forestry, mining, building houses, roads and setting up of industries. This is commonly termed as land use.

Q4: Name any two steps that government has taken to conserve plants and animals.

Ans: Awareness programmes like social forestry and Vanamahatras should be encouraged at the regional and community

level.

- 2) Many countries have passed laws declaring that the (Hornbills) trade of as well as killing of birds and animals are illegal.
- 3) An International convention CITES has been established.

115. Suggest three ways to conserve water.
- Q. • Even though water is a renewable resource its overuse and pollution make it unfit for use.
 - Discharge of untreated or partially treated sewage, agricultural chemicals and industrial effluents in water bodies are major contaminants.
 - They pollute water with nitrate, metals and pesticides.
 - Forest and other vegetation cover slow^{ly} the surface runoff and replenish^{es} underground water.
 - Water harvesting is another method to save surface runoff.
 - Sprinklers effectively irrigate the area by checking water losses through seepage and evaporation.

3. Match the followings.

(a) Land use	(a) prevent soil erosion
(b) Humus	(b) land suitable for agriculture
(c) Rock dams	(c) productive use of land
(d) Arable land	(d) organic matter deposited on top soil
(e) Weathered particles	(e) contour ploughing

Ans.

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|-------------------------|--|
| (a) Land use | (e) contour ploughing |
| (b) Humus | (d) organic matter deposited on top soil |
| (c) Rock dams | (a) prevent soil erosion |
| (d) Arable land | (b) land suitable for agriculture |
| (e) Weathered particles | (c) productive use of land |

(v) Suggest three ways to conserve water.

2. Tick the correct answer.

(i) Which one of the following is NOT a factor of soil formation?

(a) time

(b) soil texture

(c) organic matter

(ii) Which one of the following methods is most appropriate to check soil erosion on steep slopes?

(a) shelter belts

(b) mulching

(c) terrace cultivation

(iii) Which one of the following is NOT in favour of the conservation of nature?

(a) switch off the bulb when not in use

(b) close the tap immediately after using

(c) dispose polypacks after shopping

3. Match the followings