

1. Which of the following is a biotic resource?

- A. Air B. Minerals
C. Plants D. Water (C)

Explanation: Biotic resources are obtained from the biosphere and have life, such as plants and animals.

2. What is the main reason for land degradation in Punjab?

- A. Deforestation
B. Intensive cultivation
C. Over irrigation D. Overgrazing (C)

Explanation: In Punjab, over irrigation causes waterlogging, leading to increased salinity and alkalinity of soil.

3. Black soil is also known as :

- A. Alluvial soil B. Regur soil
C. Laterite soil D. Arid soil (B)

Explanation: Black soil is also called Regur soil and is ideal for cotton cultivation.

4. Which state has high solar and wind energy but lacks water resources?

- A. Arunachal Pradesh B. Jharkhand
C. Rajasthan D. Punjab (C)

Explanation: Rajasthan is rich in solar and wind energy but deficient in water resources.

5. Which soil is most suitable for growing cotton?

- A. Laterite soil B. Red soil
C. Black soil D. Alluvial soil (C)

Explanation: Black soil retains moisture and is best for cotton cultivation.

6. Which type of soil is found in the river deltas of eastern coastal plains?

- A. Black soil B. Red soil
C. Alluvial soil D. Arid soil (C)

Explanation: Alluvial soil is found in the deltas of Mahanadi, Godavari, Krishna, and Kaveri rivers.

7. What is the main component of sustainable development?

- A. Maximum economic growth
B. Population control
C. Protection of present and future needs
D. Industrial expansion (C)

Explanation: Sustainable development ensures development without harming future generations' needs.

8. What causes gully erosion?

- A. Overgrazing B. Mining
C. Water cutting through clayey soils
D. Wind (C)

Explanation: Running water cuts through clayey soil creating deep gullies, especially in the Chambal basin.

9. Which practice helps prevent soil erosion on slopes?

- A. Strip cropping B. Terrace farming
C. Overgrazing
D. Ploughing up and down the slope (B)

Explanation: Terrace farming reduces runoff on slopes and helps conserve soil.

10. What is the uppermost layer of soil called?

- A. Bedrock B. Substratum
C. Topsoil D. Subsoil (C)

Explanation: Topsoil is the upper layer, rich in organic material and crucial for plant growth.