

CUET PG 2025 Environmental Science Memory Based Question Paper With Solutions

1. Acid rain is primarily caused by which type of pollution?

- (1) Water pollution
- (2) Soil pollution
- (3) Noise pollution
- (4) Air pollution

Correct Answer: (4) Air pollution

Solution:

Acid rain occurs due to the presence of sulfur dioxide (SO_2) and nitrogen oxides (NO_x) in the atmosphere. These gases are primarily released from industrial emissions, vehicle exhaust, and the burning of fossil fuels. These pollutants react with water vapor in the atmosphere to form sulfuric acid (H_2SO_4) and nitric acid (HNO_3), which result in acid rain.

Quick Tip

Minimizing the use of fossil fuels and promoting renewable energy can significantly reduce air pollution and acid rain.

2. What is the term used to describe pre-monsoon rainfall in Kerala and its neighboring regions?

- (1) Blossom rain
- (2) Coffee showers
- (3) Mango showers
- (4) Coconut drizzle

Correct Answer: (3) Mango showers

Solution:

Mango showers are pre-monsoon rainfall that occurs in Kerala and parts of Karnataka. These showers are important as they help in the ripening of mangoes and other fruits, hence the name 'Mango showers'.

Quick Tip

Mango showers are also known as 'Blossom showers' in some regions due to their impact on flowering crops.

3. In which region is specific humidity recorded as the highest?

- (1) Polar region
- (2) Temperate region
- (3) Equatorial region
- (4) Desert region

Correct Answer: (3) Equatorial region

Solution:

Specific humidity is highest in the equatorial region because this area receives maximum solar radiation, resulting in high evaporation rates and increased moisture content in the air.

Quick Tip

Regions with high humidity levels often experience tropical rainforests and frequent rainfall.

4. Which atmospheric wind is commonly referred to as the 'Snow Eater'?

- (1) Chinook
- (2) Mistral
- (3) Bora
- (4) Sirocco

Correct Answer: (1) Chinook

Solution:

The Chinook wind is a warm, dry wind that blows down the eastern slopes of the Rocky Mountains in North America. It rapidly melts snow in the region, earning the nickname 'Snow Eater'.

Quick Tip

The Chinook wind can raise temperatures by several degrees within hours, creating significant changes in regional weather patterns.
