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Biodiversity & Conservation:

Recent updates in Biodiversity and Conservation on August 25, 2025, highlight both global threats and innovative protection strategies. A major concern is the suspension of the Amazon Soy Moratorium by Brazil, which conservationists fear could lead to a significant increase in deforestation.

Major Threats & Challenges

Climate Change: A scientific study published on August 21 warned that the rapid loss of Antarctic sea ice could become a climate tipping point, leading to irreversible global consequences. This adds to the already well-established link between climate change and biodiversity loss.

Deforestation: The decision by Brazil to suspend the Amazon Soy Moratorium, a voluntary agreement to avoid purchasing soybeans from deforested areas, has raised alarms about the future of the Amazon rainforest.

Pollution: New research from Australia focuses on reducing air pollution from wood heaters, which is a significant source of air pollution and can lead to health issues.

Invasive Species: The introduction of invasive species, like certain types of seaweed and even rats carrying microbes, continues to pose a threat to native biodiversity in various ecosystems.

Conservation Efforts & Innovations

Indigenous-led Initiatives: A new Indigenous-led Research Strategy has been launched for Australia's Kakadu National Park. The 10-year

plan, guided by the Bininj/Mungguy Traditional Owners, aims to protect the park's unique biodiversity.

Technology in Conservation: Researchers are using innovative methods like eDNA surveys to conduct wildlife surveys and drones to count endangered turtle nests in the Amazon, revealing a mega-site with over 41,000 turtles.

National Programs: India's Van Mahotsav festival, a tree-planting drive, continues to promote afforestation and biodiversity preservation. The government also highlighted its commitment to conservation, noting that India is home to over 100,000 species of animals and 55,000 species of plants.

Global Agreements: Countries are working to implement the Kunming-Montreal Global Biodiversity Framework, a historic deal to halt and reverse biodiversity loss by 2030. Key goals include protecting 30% of land and oceans and mobilizing significant annual funding for nature conservation.

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2.Which innovative technology is being used in the Amazon to survey wildlife, as highlighted in the provided text?

- a) Sonar mapping
- b) Satellite imagery
- c) eDNA surveys and drones
- d) Genetic engineering

Answer: c) eDNA surveys and drones.

The text specifically mentions the use of eDNA surveys to track wildlife and drones to count endangered turtle nests.

3.According to the text, what is a primary threat posed by invasive species?

- a) They increase air pollution
- b) They disrupt native ecosystems and threaten native biodiversity
- c) They cause a decrease in global temperatures
- d) They accelerate the melting of Antarctic sea ice

Answer: b) They disrupt native ecosystems and threaten native biodiversity.

The provided information highlights that invasive species, such as seaweed and rats, threaten native biodiversity in various ecosystems.

4.Which global agreement aims to halt and reverse biodiversity loss by 2030, with a key goal of protecting 30% of land and oceans?

- a) The Kyoto Protocol
- b) The Paris Agreement
- c) The Kunming-Montreal Global Biodiversity Framework
- d) The Amazon Soy Moratorium

Answer: c) The Kunming-Montreal Global Biodiversity Framework.

The text identifies this historic deal as the framework aiming to halt biodiversity loss and protect 30% of global land and oceans.

MCQS

1.What is a key concern regarding Brazil's suspension of the Amazon Soy Moratorium?

- a) A decrease in global soybean prices
- b) A potential increase in deforestation in the Amazon rainforest
- c) A new trade agreement with Australia
- d) The introduction of an invasive species of seaweed

Answer: b) A potential increase in deforestation in the Amazon rainforest.

The moratorium was an agreement to prevent purchasing soybeans from deforested areas, so its suspension raises alarms about increased deforestation.





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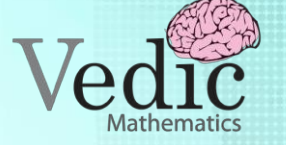
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5.What is the name of the tree-planting festival in India mentioned in the text?

- a) Holi
- b) Diwali
- c) Van Mahotsav
- d) Earth Day

Answer: c) Van Mahotsav.

The text explicitly names this festival as India's tree-planting drive aimed at promoting afforestation and biodiversity.

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