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Biodiversity & Conservation:

Conservation Successes and Initiatives

Seahorse Conservation in the UK: A significant conservation success has been reported off the coast of Dorset, UK. Seahorse sightings have increased due to the implementation of "eco moorings" in Studland Bay. These moorings are designed to screw into the seabed, preventing boat anchors from damaging vital seagrass habitats, which are crucial for seahorse populations. The seagrass is now recovering, and seahorse numbers are rebounding.

Game Hunting Ban in Ghana: A four-month closed season for game hunting has been initiated in Ghana. This ban is a conservation measure to protect the country's wildlife during their reproductive period and to combat illegal activities that threaten animal species.

Global Conference on Climate and Health: The 2025 Global Conference on Climate and Health in Brasília is highlighting innovative conservation and health solutions. The conference is showcasing technological and community-led approaches, including predictive mapping for diseases like malaria and new financing models to build health resilience against climate change.

NISAR Satellite: A joint project between NASA and the Indian Space Research Organisation (ISRO), the NISAR satellite, is set to provide unprecedented data for conservation efforts. Its radar capabilities will map Earth in detail, helping to monitor ecosystem changes, sea-level rises, and forest carbon, which is vital for biodiversity management.

International Tiger Day 2025: The news mentions that India has successfully doubled its wild tiger population, meeting the global "Tx2" goal. This success is attributed to decades of conservation efforts, particularly under the national initiative known as Project Tiger. India's model is now a case study for other nations.

Research and Policy

New Species Discoveries: Researchers in India have recently identified several new species, including a new wolf spider, two new bent-toed geckos, a day gecko, and a new dragonfly. These discoveries highlight the rich biodiversity of regions like the Sundarbans and the Western Ghats.

Biodiversity and Health: World Health Organization (WHO) has released information emphasizing the link between biodiversity and human health. The report notes that over 50% of modern medicines are derived from natural sources and that biodiversity loss is accelerating at an unprecedented rate, with approximately 1 million species at risk of extinction.

Global Agreements: The Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) is celebrating 50 years since its entry into force. This treaty continues to be a critical tool for protecting endangered wildlife from overexploitation through international trade.





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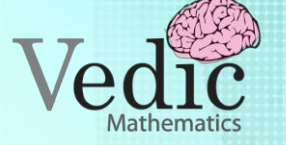
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MCQS

1. What is the primary reason for the success in seahorse conservation in Studland Bay, UK?

- a) A ban on all fishing in the area
- b) The implementation of "eco moorings" that protect seagrass habitats
- c) A new government initiative to breed seahorses in captivity
- d) The creation of a marine protected area with a no-entry zone

Answer: b) The implementation of "eco moorings" that protect seagrass habitats
The news states, "Seahorse sightings have increased due to the implementation of 'eco moorings'...These moorings are designed to screw into the seabed, preventing boat anchors from damaging vital seagrass habitats."

2. What is the main purpose of the NISAR satellite mission?

- a) To study the atmosphere of other planets
- b) To track international trade routes for endangered species
- c) To map Earth in detail for monitoring ecosystem changes and forest carbon
- d) To predict the occurrence of game hunting season bans

Answer: c) To map Earth in detail for monitoring ecosystem changes and forest carbon

The news states the NISAR satellite "is set to provide unprecedented data for conservation efforts. Its radar capabilities will map Earth in detail, helping to monitor ecosystem changes, sea-level rises, and forest carbon..."

3. What is the significance of India's achievement on International Tiger Day 2025?





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- a) It has been designated as a global tiger breeding center.
- b) It has successfully doubled its wild tiger population, meeting the global "Tx2" goal.
- c) It has created the largest tiger reserve in the world.
- d) It has developed a new technology to track tigers using AI.

Answer: b) It has successfully doubled its wild tiger population, meeting the global "Tx2" goal. The news mentions that India "has successfully doubled its wild tiger population, meeting the global 'Tx2' goal."

4. According to the WHO report, what percentage of modern medicines are derived from natural sources?

- a) Less than 10%
- b) Exactly 25%
- c) Over 50%
- d) Nearly 100%

Answer: c) Over 50%

The news states, "The report notes that over 50% of modern medicines are derived from natural sources..."



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