

























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Topics Covered



- What is the news?
  - Ganges River Dolphin Crisis:
  - What is the IUCN status of Ganges river dolphin?
  - The NDRC: Conservation Catalyst
  - Challenges and Way Forward:
  - A Call to Action:
  - Ganges Dolphin Facts:
  - Characteristics:
  - QuizTime:
  - Are you Ready!
- Read the Below Instructions Carefully:
  - Please Rate!
- Mains Questions:
  - Question 1:
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  - Question 2:
  - Model Answer:
  - Relevance to the UPSC Prelims and Mains syllabus under the following topics:

***What is the news?***

- **India's first National Dolphin Research Centre (NDRC) in Patna, Bihar**, gave the endangered Ganges river dolphin hope. This historic endeavour advances study and conservation of this aquatic species.

## ***Ganges River Dolphin Crisis:***

*Ganga, Brahmaputra, Meghna, Karnaphuli, and Sangu rivers are home to the Ganges river dolphin, also known as the Ganges Susu. Unfortunately, these gorgeous species face several hazards, including:*

- Pollution, dams, and excessive fishing negatively harm their habitat and food sources.
- Accidental Bycatch: Many dolphins die from fishing net entanglement.
- Low public understanding about Ganges river dolphin conservation inhibits protection efforts.

## ***What is the IUCN status of Ganges river dolphin?***

- The Ganges river dolphin has been listed as an **Endangered species** on the IUCN Red List since 1996.

## ***The NDRC: Conservation Catalyst***

*The Patna NDRC has great potential for the Ganges dolphin:*

- **Enhanced Research:** The centre will conduct Ganges river dolphin behaviour, population dynamics, and threat research. Development of effective conservation initiatives requires this knowledge.
- **Advocacy:** The NDRC can raise awareness of the Ganges River dolphin's predicament and promote conservation initiatives.
- **Collaboration and Training:** The centre can help researchers, government agencies, and NGOs share knowledge and train conservationists, especially fishers.

## ***Challenges and Way Forward:***

*NDRC difficulties persist despite optimism:*

- **Securing Long-Term support:** The centre's operations and research require ongoing support.
- **Community Engagement:** Conservation demands community involvement. The NDRC must find ways to involve fishermen and riverfront communities in conservation.
- **To preserve the Ganges river dolphin's habitat,** conservation initiatives must address water

pollution and unsustainable fishing.

## ***A Call to Action:***

- The NDRC's inauguration is good, but it's just the start. Various levels of cooperation are needed to save the Ganges river dolphin. This includes stronger environmental rules, sustainable fishing, and riverfront conservation. We can preserve these fascinating species in the Ganges for future years by working together.

## ***Ganges Dolphin Facts:***

*South Asian rivers are home to the Ganges River Dolphin (Susu), a rare and endangered freshwater dolphin. Its traits, habitat, and threats are mentioned below:*





(Pic:google img)

## ***Characteristics:***

### ***Appearance:***

- Small, rectangular dorsal fin, stocky body, rounded belly.
- Sharp teeth on long snout even when mouth is closed.
- Grey or brown, with chocolateish calves at birth.
- Blind, using echolocation to travel and hunt.

### ***Size:***

- Males grow to 2.12 metres (7 feet) and females to 2.67 metres (8.8 feet).
- Weight might be 120-150 kg (265-330 lbs).

### ***Behaviour:***

- They eat several fish types and are diurnal.

- Whistle, click, and squeak.

### ***Habitat:***

- The Ganges-Brahmaputra-Meghna river system flows through India, Nepal, and Bangladesh.
- Likes moderate-to-slow-flowing waters.
- Food and survival depend on healthy river ecosystems.

### ***Threats:***

- Degradation: Pollution, dams, and excessive fishing harm their habitat and food sources.
- Accidental Bycatch: Fishing nets kill many.
- Awareness: Lack of public awareness regarding Ganges River Dolphin conservation inhibits protection efforts.

### ***Conservation Status:***

- A “Endangered” species on the IUCN Red List.
- The above threats have dramatically reduced populations.

### ***Conservation:***

- Recent noteworthy developments include Patna, India’s National Dolphin Research Centre (NDRC).
- NDRC studies, raises awareness, and develops Ganges River Dolphin conservation initiatives.
- The Wild Life (Protection) Act, 1972 protects, although habitat deterioration and stronger enforcement are needed.
- Ganges River Dolphins are crucial to the freshwater ecology and national treasures for India and neighbouring countries. Conservation efforts must continue to save this beautiful aquatic creature.



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General Studies

CURRENT AFFAIRS QUIZ

***Read the Below Instructions***

# Carefully:

- Click on - Start Quiz
  - Attempt all questions (You can attempt or leave)
  - After Attempting Last Question.
  - Enter Name & Email
  - Click on - Check Result
  - Scroll down - Check out Solutions too.
- Thank you.

Loading ...



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Category: General Studies

***The primary objective behind establishing India's first National Dolphin Research Centre (NDRC) in Patna is likely to be:***

- To promote commercial tourism focused on river dolphin watching.
- To conduct in-depth research on the ecology and behavior of Ganges River dolphins.
- To develop captive breeding programs for endangered Gangetic dolphins.
- To enforce stricter regulations on fishing activities in the Ganges River.

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Category: General Studies

***A potential benefit of the NDRC for the conservation of Ganges River dolphins could be:***

- Increased hunting permits for dolphins for scientific research purposes.
- Providing crucial data for developing targeted conservation strategies.
- Generating revenue for local communities through dolphin-related tourism.
- Introducing new species of fish into the Ganges River to improve dolphin food sources.

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Category: **General Studies**

***How can the NDRC contribute to raising public awareness about the Ganges River dolphin?***

- By imposing stricter licensing requirements for fishing boats operating in the Ganges.
- By conducting educational workshops exclusively for government officials.
- By organizing public outreach programs and collaborating with media channels.
- By imposing heavy fines on individuals found violating fishing regulations in the Ganges.

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Category: **General Studies**

***The Ganges River Dolphin, also known as the Susu, is primarily found in:***

- The coastal waters of the Indian Ocean.

- The Gangetic delta region along the Bay of Bengal.
- The freshwater river systems of South Asia.
- The deep ocean trenches surrounding the Indian subcontinent.

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Category: General Studies

### ***The establishment of the NDRC reflects India's growing focus on:***

- Prioritizing economic development projects over environmental protection efforts.
- Utilizing technology-driven solutions for addressing wildlife conservation challenges.
- Encouraging community-based conservation initiatives for endangered species.
- Strengthening legal frameworks for wildlife protection and habitat preservation.

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Category: General Studies

### ***A potential challenge for the NDRC, as compared to existing conservation efforts, might be:***

- Gaining access to advanced research technology for studying dolphin behavior.
- Duplicating existing research efforts already undertaken by other organizations.
- Securing long-term funding for the centre's operations and research projects.
- Overlooking the role of local communities in the conservation of Ganges River dolphins.

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Category: **General Studies**

***A major threat to the Ganges River Dolphin population is:***

- Overexploitation due to commercial hunting.
- Increased salinity levels in their river habitat.
- Accidental entanglement in fishing gear (bycatch).
- Competition for food sources with introduced fish species.

Prev

Finish

***Check Rank, Result Now and enter correct email as you will get Solutions in the email as well for future use!***

Check the Result

Your score is

0%

Restart quiz

***Please Rate!***

Send feedback

***Mains Questions:***

# Below Mains Question

Write in Comment Section



## **Question 1:**

***India's first National Dolphin Research Centre (NDRC) has been inaugurated in Patna, Bihar, to study and conserve the endangered Ganges river dolphin. Discuss the significance of the NDRC and the challenges associated with the conservation of the Ganges river dolphin. (250 words)***

## **Model Answer:**

### *Significance of NDRC:*

- **Enhanced Research:** The NDRC will facilitate vital research on behavior, population dynamics, and threats faced by the Ganges river dolphin. This knowledge will be crucial for developing effective conservation strategies.
- **Conservation Advocacy:** The centre can raise public awareness about the plight of the Ganges river dolphin and garner support for conservation



efforts.

- **Collaboration and Training:** The NDRC can foster collaboration between researchers, government agencies, and NGOs. This can promote knowledge sharing and capacity building for conservation personnel, including fishermen.

### *Challenges in Conservation:*

- **Securing Long-Term Funding:** Sustained funding is essential for the NDRC's continued operations and research projects.
- **Community Engagement:** Active participation of local communities, especially fishermen, is crucial. The NDRC must develop strategies for their engagement in conservation efforts.
- **Addressing Habitat Threats:** Conservation efforts must address broader issues like water pollution, unsustainable fishing practices, and river infrastructure development to ensure the long-term viability of the Ganges river dolphin's habitat.

### **Question 2:**

***The Ganges River Dolphin faces a multitude of threats despite legal protection under the Wild Life (Protection) Act, 1972. Explain the limitations of legal frameworks in wildlife conservation and suggest alternative approaches. (250 words)***

## ***Model Answer:***

### *Limitations of Legal Frameworks:*

- **Enforcement Challenges:** Effective implementation and enforcement of legal provisions can be a challenge due to resource constraints and manpower limitations.
- **Lack of Awareness:** Limited public awareness about protected species and their importance can hinder the effectiveness of legal safeguards.
- **Addressing Root Causes:** Legal frameworks may not directly address underlying issues like habitat degradation due to pollution or unsustainable practices.

### *Alternative Approaches:*

- **Community Engagement:** Involving local communities in conservation efforts fosters a sense of ownership and promotes responsible behavior.
- **Habitat Restoration Projects:** Initiatives focused on restoring and protecting river ecosystems are crucial for the long-term survival of aquatic species.
- **Promoting Sustainable Practices:** Encouraging sustainable fishing practices and promoting alternatives to minimize accidental bycatch of dolphins.
- **By combining legal safeguards with community engagement, habitat restoration, and promoting sustainable practices, a more holistic approach can be taken towards wildlife conservation, including the Ganges river dolphin.**

*Remember: These are just sample answers. It's important to further research and refine your responses based on your own understanding and perspective.*

## **Relevance to the UPSC Prelims and Mains syllabus under the following topics:**



### **Prelims:**

- **General Science Paper (GS Paper I):** You can't directly answer a question on the NDRC, but a basic understanding of endangered species and threats to aquatic life can be beneficial.

### **Mains:**

- **GS Paper III (Environment, Ecology, Biodiversity, Disaster Management):** Here, the connection is more prominent. You can discuss the NDRC under various headings:  
Conservation Efforts: Discuss the NDRC as an initiative for research and conservation of the endangered Ganges River Dolphin. Briefly

mention the threats faced by this species.  
Biodiversity and Wildlife Conservation: Use the NDRC as an example of a specific research center focused on a particular species. You can discuss the broader challenges in wildlife conservation in India.



*Click here to read in  
Hindi.*

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# Quiz Time


The profit triples with a doubling of the selling price. Determine the profit percentage.

- Option 1
- Option 2
- Option 3



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