






















+91 9815591973 support@examlife.info




- 
- 
- Home
- UPSC
 - Current Affairs IAS
 -   
 - Quiz IAS
 -   
 - UPSC News Editorial (/Eng)
 - Answer Writing ( /Eng)
 - UPSC Essay (/Eng)
 - UPSC GS (/Eng)
 - UPSC GS 1 ( /Eng)
 - UPSC GS-2 ( /Eng)
 - UPSC GS-3 ( /Eng)
 - UPSC GS-4 ( /Eng)
 - Kurukshetra ( /Eng)
 - Yojana ( /Eng)
 - IAS Strategy for Prelims
 - General Studies
 - UPSC CSAT Paper 2
 - IAS Strategy for Mains
 - IAS GS 1
 - IAS GS 2
 - IAS GS 3
 - IAS GS 4
 - IAS Test Series
- Himachal HPAS
 - Himachal Daily Current Affairs
 -   
 - Daily Himachal GK Quiz

- Himachal HPAS
- Himachal News Editorial (Hindi/Eng)
- Answer Writing (Hindi /Eng)
- Himachal Essay (Hindi/Eng)
- Giriraj
 - Magazine
 - Giriraj Quiz
- Himachal
 - Himachal
 - Himachal Himachal
- HP Government Schemes
- Himachal Himachal Himachal Himachal
- Syllabus Prelims Himachal HPAS
 - GENERAL STUDIES
 - UPSC CSAT Paper 2
 - English
 - Hindi
- Syllabus Mains Himachal HPAS
 - English,Hindi,Essay & One Optional
 - HPAS GS 3
 - HPAS GS 2
 - HPAS GS 1
- Himachal HPAS Test Series
- All You need to Know about Himachal HPAS
- HARYANA HCS
 - Haryana Current Affairs
 - Himachal Himachal Himachal
 - HCS Quiz
 - Himachal Himachal Himachal
 - Haryana News Editorial (Hindi/Eng)
 - Answer Writing (Hindi /Eng)
 - Haryana Essay (Hindi/Eng)
 - HR Government Schemes
 - Himachal Himachal Himachal Himachal
 - Syllabus Mains Haryana HCS
 - Syllabus Prelims Haryana HCS
 - HCS Prelims Test Series

- [Punjab PCS](#)
- [Punjab PCS Current Affairs](#)
- [Daily Quiz Punjab PCS](#)
- [Punjab News Editorial \(Eng\)](#)
- [Answer Writing \(Eng\)](#)
- [Punjab Essay \(Eng\)](#)
- [All you need to know about Punjab PCS Exam 2021](#)
- [Syllabus Prelims Punjab PCS](#)
 - [General Studies](#)
 - [Prelims GS 1](#)
- [Syllabus Mains Punjab PCS](#)
 - [PCS GS 1](#)
 - [PCS GS 2](#)
 - [PCS GS 3](#)
 - [PCS GS 4](#)
 - [Online PUNJAB PCS TEST SERIES 2020](#)
- [CSAT](#)
 - [CSAT English](#)
 - [Punjab PCS CSAT](#)
- [Concept Mindmaps](#)
 - [Polity \(Hindi / Eng\)](#)
 - [Geography \(Hindi / Eng\)](#)
 - [Environment \(Hindi / Eng\)](#)
 - [History \(Hindi / Eng\)](#)
 - [Economics \(Hindi / Eng\)](#)
 - [Science and Technology \(Hindi / Eng\)](#)
 - [CSAT Concepts \(Hindi / Eng\)](#)
 - [Maps \(Hindi / Eng\)](#)
 - [Art and Culture \(Hindi / Eng\)](#)
 - [International Affairs \(Hindi / Eng\)](#)
 - [Punjab PCS Concepts](#)
 - [Himachal HPAS Concepts \(Hindi / Eng\)](#)
 - [Haryana HCS Concepts \(Hindi / Eng\)](#)
 - [Rajasthan RAS Concepts \(Hindi / Eng\)](#)
- [Concept Quiz](#)
 - [Polity Quiz \(Hindi/Eng\)](#)

- Geography Quiz (हिंदी/Eng)
- Environment Quiz (हिंदी/Eng)
- History Quiz (हिंदी/Eng)
- Economics Quiz (हिंदी/Eng)
- Science and Technology Quiz (हिंदी/Eng)
- CSAT Concepts Quiz (हिंदी/Eng)
- Maps Quiz (हिंदी/Eng)
- Art and Culture Quiz (हिंदी/Eng)
- Punjab PCS Concepts Quiz
- Himachal HPAS Concepts Quiz (हिंदी/Eng)
- Haryana HCS Concepts Quiz (हिंदी/Eng)
- Rajasthan RAS Concepts Quiz (हिंदी/Eng)
- Mains
 - UPSC Answer Writing (हिंदी/Eng)
 - HPPSC Answer Writing (हिंदी/Eng)
 - Haryana HCS Answer Writing (हिंदी/Eng)
 - Punjab PCS Answer Writing
- Exam Blogs
 - UPSC Exam Blogs
 - Himachal Exam Blogs
 - Punjab exam Blogs
 - Haryana Exam Blogs
 - Rajasthan Exam Blogs
 - E-Magazine
 - E-Magazine for HPAS
 - हिमाचल प्रदेश का हिंदी-हिंदी
 - E-Magazine for Punjab PCS
- UPCOMING EXAMS
 - National Exams
 - Himachal Pradesh Exams
 - Punjab Exams
 - Test Series Planner
- About US
- Sign Up
- Login
- facebook 

▪ instagram 

▪ youtube 

MENU

Click on Drop Down for Current Affairs

Topics Covered



- Summary:
- What is the news?
 - What is a Gaushala?
 - Understanding Compressed Bio-Gas (CBG)
 - What is CBG?
 - Benefits of CBG:
 - Features of Adarsh Gaushala
 - Waste to Wealth: Transforming Challenges into Opportunities
 - Implications for Sustainable Development
 - Conclusion
 - Key Takeaways from the editorial:
 - QuizTime:
 - Are you Ready!
- Read the Below Instructions Carefully:
 - Please Rate!
- Mains Questions:
 - Question 1:
 - Model Answer:
 - Question 2:
 - Model Answer:
- All Mains Questions: Read Here
 - Relevance to the UPSC Prelims and Mains syllabus under the following topics:
 -
 - Prelims:

- Mains:
- Interview (Personality Test):

Summary:

- **Inauguration:** India's first self-sufficient gaushala with an advanced CBG plant was inaugurated in Gwalior.
- **Technology:** The plant produces 2-3 tons of Bio-CNG daily from cow dung and organic waste.
- **Sustainability:** The project aligns with the "Waste to Wealth" initiative, promoting eco-friendly practices.
- **Economic Impact:** Generates employment and supports the rural economy.
- **Environmental Benefits:** Reduces carbon emissions and improves soil health with bio-fertilizers.

What is the news?

- India has taken a significant step toward sustainable development with the inauguration of its **first self-sufficient gaushala**, Adarsh Gaushala, in Laltipara, Gwalior.
- The Gaushala is operated by Gwalior Municipal Corporation and over 10,000 cattle live here. The

plant produces 2-3 tons of Bio-CNG daily, providing a cleaner, eco-friendly alternative to fossil fuels and helping reduce carbon emissions.

- This visionary project was inaugurated by Prime Minister Narendra Modi and features an advanced Compressed Bio-Gas (CBG) plant.
- The initiative not only strengthens India's green energy goals but also aligns with the principle of "Waste to Wealth."

What is a Gaushala?

- A gaushala is a shelter dedicated to the care of cows, often linked with traditional Indian practices of cow protection. These establishments usually focus on the welfare of unproductive or abandoned cattle. However, the Adarsh Gaushala goes beyond its conventional role by integrating modern technologies to promote sustainability.

Understanding Compressed Bio-Gas (CBG)

What is CBG?

- Compressed Bio-Gas (CBG) is a renewable energy source derived from organic waste such as agricultural residues, animal manure, or food waste. The organic matter is processed in a biogas

plant, where it undergoes anaerobic digestion—a process in which microorganisms break down the material in the absence of oxygen.

Benefits of CBG:

- **Environmental Impact:** Reduces methane emissions, which are potent greenhouse gases.
- **Renewable Energy:** Serves as a clean alternative to fossil fuels.
- **Economic Potential:** Generates additional income for farmers and waste management entities.

Features of Adarsh Gaushala

1. State-of-the-Art CBG Plant:

- The gaushala includes a cutting-edge facility capable of converting cow dung and other organic waste into CBG. This gas can be used for cooking, heating, and even powering vehicles.

2. Self-Sufficiency:

- The gaushala is designed to operate sustainably, utilizing its resources efficiently. Cow dung is processed to produce biogas, while the residue

(bio-slurry) is used as organic fertilizer.

3. Support for Local Communities:

- The project creates employment opportunities, supports farmers, and contributes to the rural economy.

Waste to Wealth: Transforming Challenges into Opportunities

- The “Waste to Wealth” initiative is a cornerstone of Prime Minister Modi’s vision. It emphasizes utilizing waste as a resource, turning environmental challenges into economic opportunities. In the case of Adarsh Gaushala, cow dung—traditionally considered a waste product—becomes a valuable input for energy production and organic farming.

Implications for Sustainable Development

1. Environmental Benefits:

- Reduction in landfill waste.
- Mitigation of greenhouse gas emissions.
- Improved soil health due to the use of bio-

fertilizers.

2. Economic Upliftment:

- Generation of rural employment.
- Increased income for farmers through biogas production and sale of organic fertilizers.

3. Alignment with SDGs:

The project supports multiple United Nations Sustainable Development Goals (SDGs), including:

- **Goal 7:** Affordable and Clean Energy.
- **Goal 12:** Responsible Consumption and Production.
- **Goal 13:** Climate Action.

Conclusion

- The Adarsh Gaushala in Gwalior symbolizes India's commitment to sustainability, innovation, and rural development. By integrating traditional practices with modern technology, it sets a precedent for future initiatives aimed at achieving a green economy. This groundbreaking project not only addresses environmental concerns but also empowers local communities, making it a beacon of hope for sustainable progress.

Key Takeaways from the editorial:

- **Integration of Tradition and Technology:** The Adarsh Gaushala merges traditional cow welfare practices with advanced biogas technology to promote sustainability.
- **Compressed Bio-Gas (CBG) as Green Energy:** CBG, derived from organic waste like cow dung, is a renewable and clean energy source that aligns with India's green energy goals.
- **Waste to Wealth Initiative:** The project exemplifies the "Waste to Wealth" initiative by converting waste into valuable resources like energy and organic fertilizers.
- **Rural Empowerment:** By generating employment and supporting the agricultural economy, the project enhances rural livelihoods.
- **Alignment with SDGs:** This initiative supports multiple Sustainable Development Goals (SDGs), including clean energy, responsible consumption, and climate action.



Examlife
On Whatsapp Now

Introducing Examlife Channel - Your Ultimate Destination for Daily Most Important Current Affairs and Quiz! Follow Examlife Channel today!



QuizTime:


⌘ ⌘

0 votes, 0 avg

0

Are you Ready!

Thank you, Time Out !

Created by  **ExamLife**
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 ...

1 / 6

Category: General Studies

The “Waste to Wealth” initiative aims to transform which of the following?

- Renewable energy into fossil fuels
- Economic challenges into environmental concerns
- Organic waste into valuable resources
- Urban landscapes into agricultural fields

Prev

Finish

Next

2 / 6

Category: General Studies

What is a gaushala primarily intended for?

- Production of biogas
- Shelter and care for cows
- Farming of organic crops
- Animal testing

Prev

Finish

Next

3 / 6

Category: General Studies

Which UN Sustainable Development Goal (SDG) aligns closely with the objectives of the Adarsh Gaushala project?

- Goal 2: Zero Hunger
- Goal 7: Affordable and Clean Energy

Goal 9: Industry, Innovation, and Infrastructure

Goal 17: Partnerships for the Goals

Prev

Finish

Next

4 / 6

Category: Himachal General Knowledge

Which of the following is a challenge in scaling up CBG plants like the one in Adarsh Gaushala?

Abundant availability of cow dung and organic waste

High initial investment and operational costs

Lack of government policy support

Difficulty in finding markets for biogas

Prev

Finish

Next

5 / 6

Category: General Studies

What is a byproduct of the anaerobic digestion process in a CBG plant besides biogas?

Synthetic fertilizers

Bio-slurry (organic fertilizer)

Methane in its raw form

Plastic derivatives

Prev

Finish

Next

6 / 6

Category: General Studies

Which renewable energy source is generated in the CBG plant at Adarsh Gaushala?

Solar Energy

- Hydropower
- Compressed Bio-Gas (CBG)
- Wind Energy

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:

Explain the importance of the “Waste to Wealth” initiative in the context of sustainable development. (250 words)

Model Answer:

- The “Waste to Wealth” initiative is a cornerstone of sustainable development, focusing on transforming waste into valuable resources. It addresses pressing environmental challenges, aligns with circular economy principles, and contributes to economic and social welfare.

Key Objectives:

- Reduce environmental pollution.
- Promote resource efficiency and recycling.
- Generate green energy and organic fertilizers.
- Empower local communities economically.

Relevance to Sustainable Development Goals (SDGs):

- The initiative directly supports SDG 12 (Responsible Consumption and Production) and SDG 13 (Climate Action). By reducing waste and encouraging sustainable practices, it aligns with India’s commitment to the Paris Agreement.

Adarsh Gaushala Case Study:

- The Adarsh Gaushala in Gwalior exemplifies the “Waste to Wealth” initiative. It transforms cow dung into Compressed Bio-Gas (CBG), a renewable energy source. The residue, bio-slurry, is used as organic fertilizer. This project reduces greenhouse gas emissions, mitigates pollution, and supports rural livelihoods.

Challenges and Opportunities:

- **Challenges:** High initial investment, limited technical expertise, and market linkages.
 - **Opportunities:** Promotes green energy, creates employment, and reduces dependency on non-renewable energy sources.
-
- The “Waste to Wealth” initiative is pivotal for sustainable development. By adopting innovative practices, India can lead in achieving a green economy and addressing environmental challenges holistically.

Question 2:

How can biogas technology contribute to

achieving India's green energy goals? Discuss with reference to the Adarsh Gaushala project. (250 words)

Model Answer:

- Biogas technology, particularly in the form of Compressed Bio-Gas (CBG), plays a vital role in achieving India's green energy goals. It offers a renewable energy solution derived from organic waste, aligning with the country's sustainable development objectives.

Relevance of Biogas Technology:

- Renewable Energy Source: Reduces dependency on fossil fuels.
- Environmental Benefits: Mitigates greenhouse gas emissions and promotes waste management.
- Economic Impact: Generates income for rural communities and farmers.

Adarsh Gaushala's Contribution:

- The Adarsh Gaushala in Gwalior is a model project that integrates biogas technology with cow welfare. The state-of-the-art CBG plant converts cow dung and organic waste into biogas, demonstrating the practicality and scalability of

this technology.

Key Benefits:

- 1. Energy Production: Supplies clean fuel for cooking and transportation.
- 2. Waste Management: Reduces landfill waste and promotes circular economy principles.
- 3. Rural Development: Generates employment and supports agricultural practices through bio-fertilizers.

Challenges in Scaling Biogas Technology:

- High Initial Costs: Setting up biogas plants requires significant investment.
- Technical Expertise: Skilled personnel are necessary for efficient operation.
- Market Development: Building infrastructure for biogas distribution remains a challenge.

Way Forward:

- 1. Policy Support: Government incentives for biogas projects.
- 2. Public Awareness: Educating communities about the benefits of biogas.
- 3. Technological Advancements: Reducing costs and improving efficiency through innovation.

- Biogas technology, exemplified by the Adarsh Gaushala project, is a promising pathway to achieve India's green energy goals. By addressing challenges and fostering innovation, India can harness this technology to promote sustainability, reduce emissions, and empower rural communities.

All Mains Questions: Read Here

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

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



Prelims:

- **General Studies Paper I:** Environmental Ecology and Sustainable Development: Understanding renewable energy sources like Compressed Bio-Gas (CBG). Government Policies and Programs: Initiatives like “Waste to Wealth” and their relevance.

Mains:

- **General Studies Paper III:** Environment and Ecology: Renewable energy, mitigation of greenhouse gas emissions, and sustainable waste management.
- **Economy:** Role of biogas plants in rural economic development.
- **Science and Technology:** Technological advancements in bioenergy production.

Interview (Personality Test):

- **Current Affairs-Based Questions:** How does the Adarsh Gaushala project contribute to India’s green energy goals? What are the key challenges in implementing large-scale biogas projects in rural India?

- **Analytical and Opinion-Based Questions:** Can the integration of traditional practices with modern technology drive sustainable development? How can such projects influence India's role in combating climate change globally?



*Click here to read in
Hindi.*

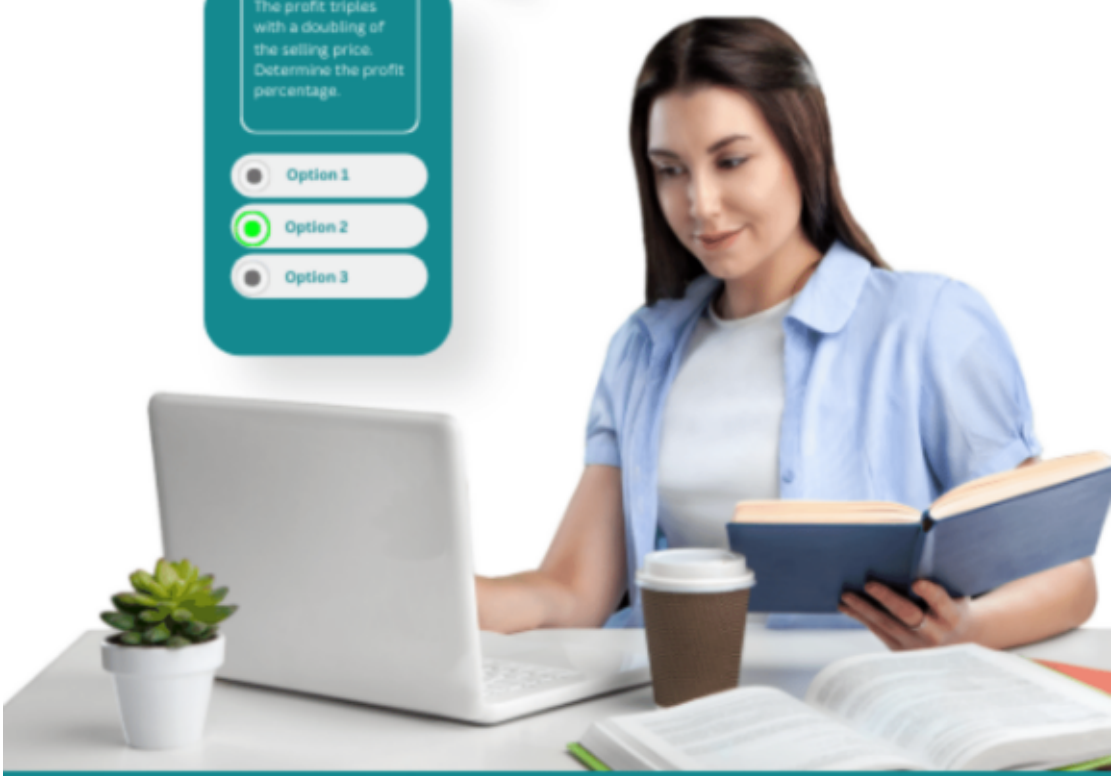
CLICK HERE



Quiz Time

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

- Option 1
- Option 2
- Option 3



Try Quiz Now

START



UPSC

- National Current Affairs
- UPSC Quiz
- Editorials
- Mindmaps
- E-Magazine
- Free Mock Test
- Prelims Test Series

संसाधन

- [संसाधन](#)
- [संसाधन](#)
- [संसाधन](#)
- [संसाधन](#)
- [संसाधन](#)
- [संसाधन](#)
- [संसाधन](#)
- [संसाधन](#)

Examlife Online Prelims Test Series

Enroll Now

Himachal HPAS

- HP Current Affairs
- HPAS Quiz
- HP Editorials
- HP Mindmaps
- HPAS E Magazine
- HPAS Free Mock Test
- HPAS Prelims Test Series

उत्तर प्रदेश प्रश्नपत्र

- उत्तर प्रदेश प्रश्नपत्र
- उत्तर प्रदेश प्रश्नपत्र
- उत्तर प्रदेश प्रश्नपत्र
- उत्तर प्रदेश प्रश्नपत्र
- उत्तर प्रदेश प्रश्नपत्र
- उत्तर प्रदेश प्रश्नपत्र
- उत्तर प्रदेश प्रश्नपत्र

Punjab PCS

- Punjab Current Affairs
- PPSC Quiz
- Punjab Mindmaps
- Punjab Editorial
- Punjab E-Magazine
- PPSC Free Mock Test
- PPSC Prelims Test Series

Haryana HCS

- Haryana Current Affairs
- HCS Quiz
- HCS Editorials
- HCS Mindmaps
- HCS E-Magazine
- HCS Free Mock Test
- HCS Prelims Test Series

उत्तर प्रदेश प्रश्नपत्र

- उत्तर प्रदेश प्रश्नपत्र
- उत्तर प्रदेश प्रश्नपत्र
- उत्तर प्रदेश प्रश्नपत्र
- उत्तर प्रदेश प्रश्नपत्र

- [UPSC](#)
- [Haryana HCS](#)
- [Himachal HPAS](#)
- [Punjab PCS](#)
- [Contact us](#)
- [About us](#)
- [Privacy Policy](#)
- [Haryana HCS](#)
- [Himachal HPAS](#)
- [Punjab PCS](#)
- [CSAT](#)
- [UPSC](#)

Useful Links

- UPSC
- Haryana HCS
- Himachal HPAS
- Punjab PCS
- Contact us
- About us
- Privacy Policy
- Haryana HCS
- Himachal HPAS
- Punjab PCS
- CSAT
- UPSC

Social Media



ExamLife Online Prelims Test Series

Enroll Now

- Punjab PCS Exam (Click Here)
- Himachal HPAS Exam (Click Here)
- [Punjab PCS Exam \(Click Here\)](#)
- UPSC Preparation (Click Here)
- [UPSC Preparation \(Click Here\)](#)

© 2024 www.examlife.info. All Rights Reserved.