

7:00 Am Daily

10 September, 2023



DAILY NEWSPAPER ANALYSIS

UPSC PRELIMS + MAINS

**FIRST
TIME
EVER**

GS-1, 2, 3,4

Covered With

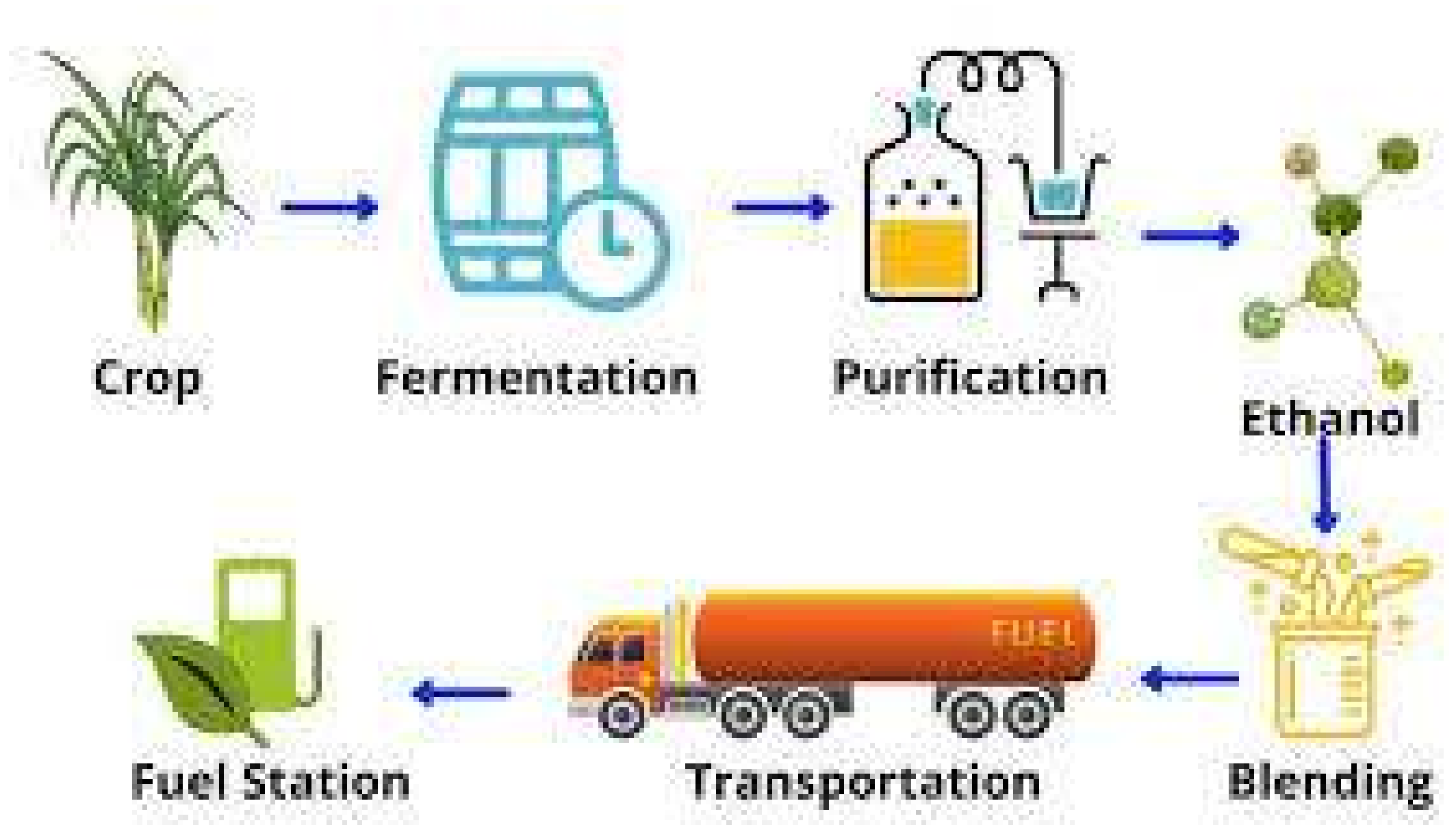
The Questions & Answers Practice

TOPICS COVERED ↓

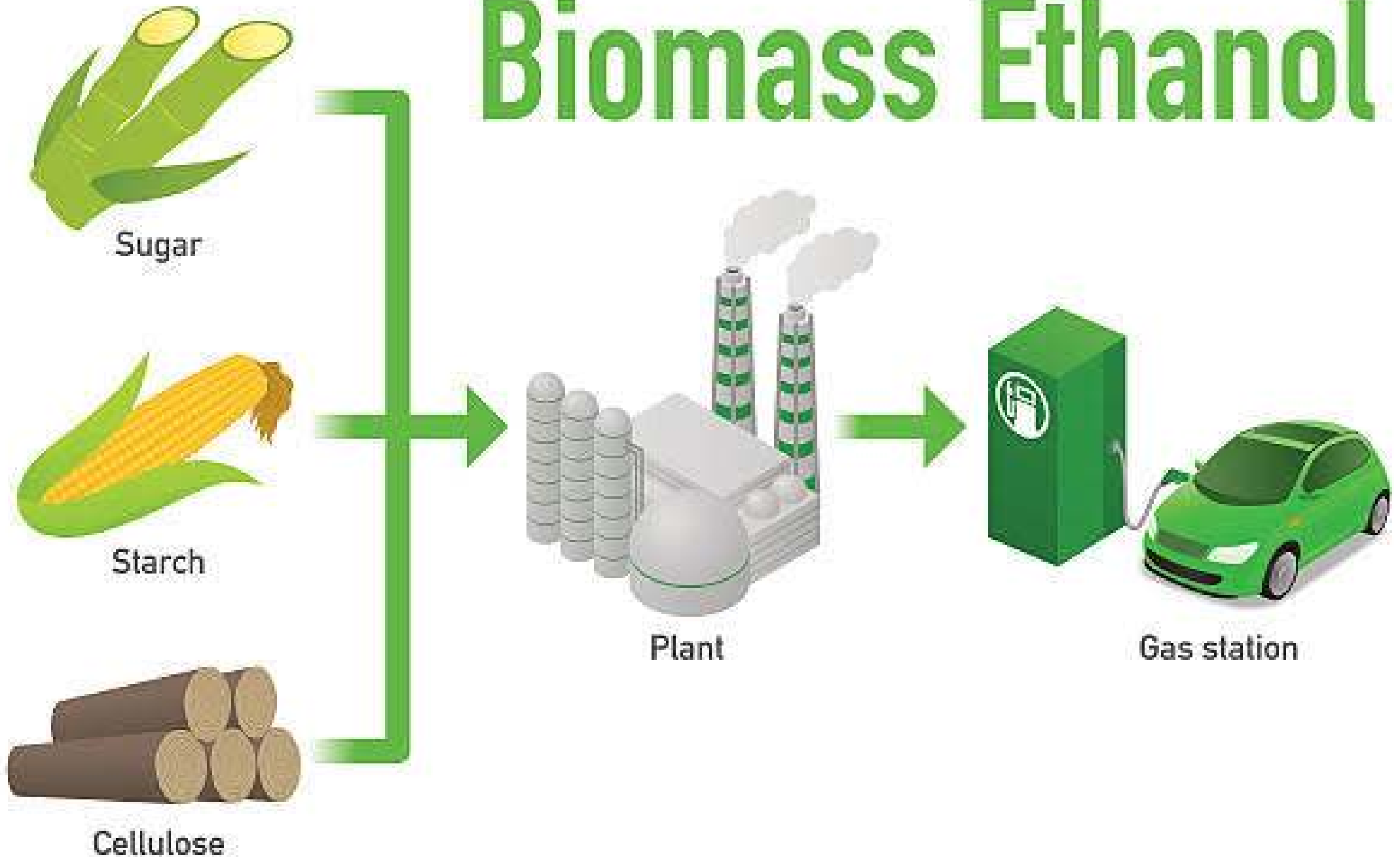
African union , Old age Model Badai Bazar , GFA , INDO US SAUDI ARAB EU ECONOMIC CORRIDOR, CIRCULAR ECONOMY, AND NUMBER OF SMALL NEWS AS VALUE ADDITION FOR MAINS . NEED UNDERSTANDING CONCEPT

[Watch The Full Video . = 10 September 2023 Daily News Analysis](#)





Biomass Ethanol



Status

- India is the world's fifth largest producer of ethanol after the US, Brazil, EU and China.
- Target of average 10% blending was achieved in June, 2022.
- Target of 20% ethanol blending in petrol is advanced to 2025 (Earlier 2030).

Significance

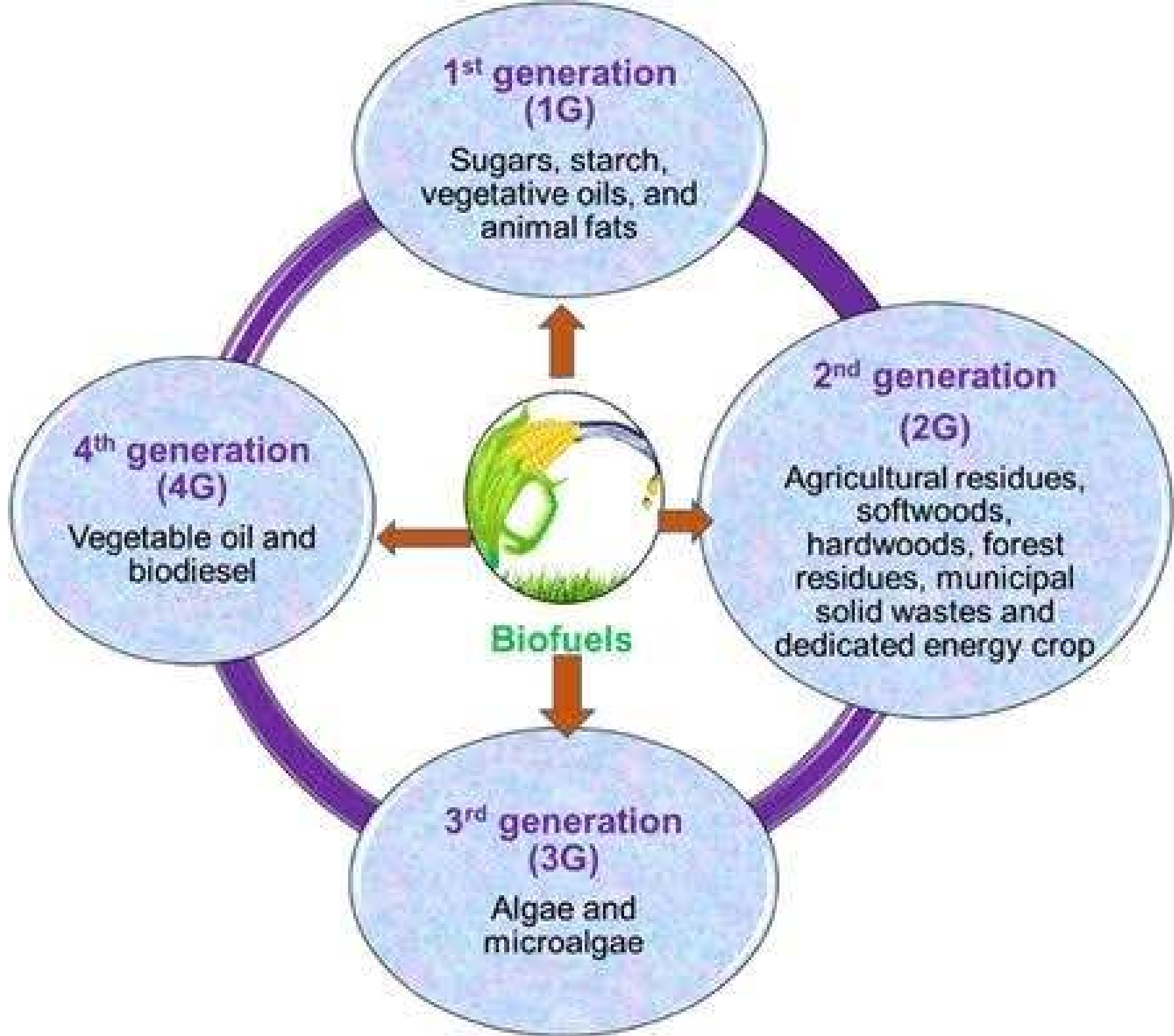
- Cheaper, efficient and less polluting fuel vis-a-vis Petrol.
- Lowering crude oil imports and energy security.
- Towards a Greener economy and transition to a low carbon economy.
- Enable local enterprises and farmers to participate in energy economy.

The EBP Programme

- Launched in 2003 under the Ministry of Petroleum & Natural Gas.
- Govt has notified "administered price" of ethanol since 2014.
- Under EBP programme OMCs sell petrol blended with ethanol up to 10%.
- The EBP is extended to the whole of India except UTs of Andaman & Nicobar Islands and Lakshadweep islands since April, 2019.

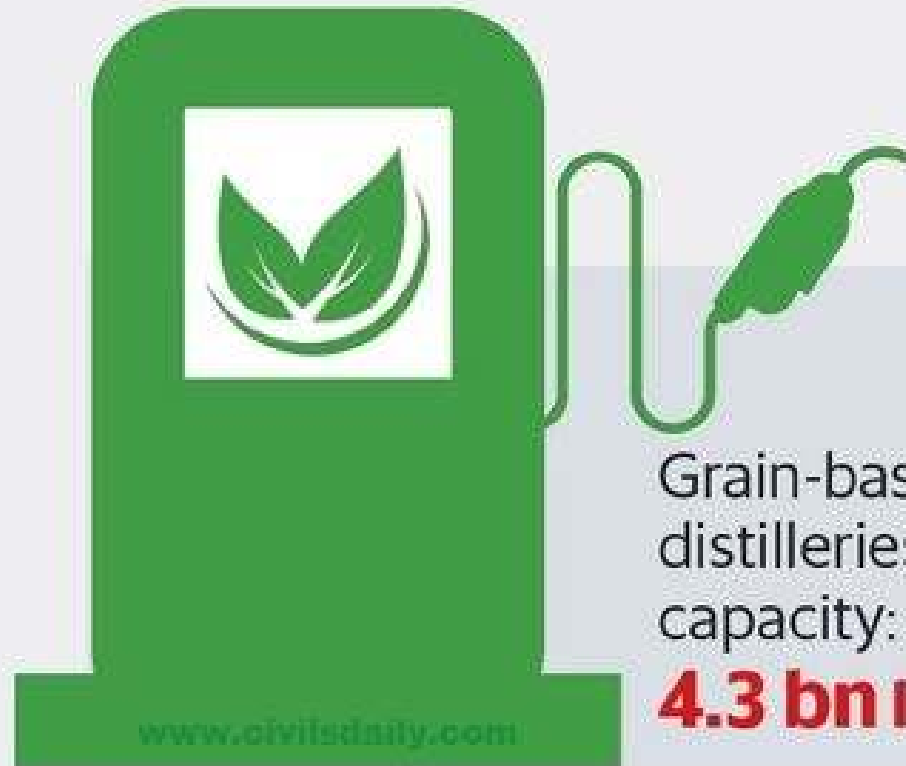
Government Measures

- Amendments to National Policy on Biofuels, it will allow more feedstocks for the production of biofuels.
- Use of E12 (Ethanol:Petrol=12:88) & E15 automotive fuel notified.
- Union Budget 2022-23 announced an additional differential excise duty on unblended fuel.
- Interest subvention scheme extended to grain-based distilleries.
- Simplified Environmental Clearance procedures.



Establishing Global Biofuel Alliance (GBA)

India is looking to ramp up biofuel production capability in view of growing energy demand.



India's ethanol production capacity: **12.4 bn litres**

Molasses-based distilleries' capacity: **8.1 bn litres**

Grain-based distilleries capacity: **4.3 bn litres**



India, US and Brazil account for **85%** global ethanol production

State-run oil marketing companies paid **₹82,000 cr** to distillers in the past eight years, of which **₹48,000 cr** went to farmers

India's E20 fuel is available at **1,350** outlets, nationwide coverage by 2025

India to contribute **25%** to global energy demand growth till 2040.

National Bio Fuels Policy 2018



Vision :

- Help in doubling farmer's income
- Provide boost to agriculture sector
- Reduce import dependency
- Creating new employment opportunities
- Promote environment friendly fuels
- Waste to Wealth creation
- Augment ongoing initiatives like Make in India, Swachh Bharat Abhiyan & Skill Development



National Biofuel Policy 2018

Paving the way for an Aatmanirbhar Bharat

Harnessing the
huge biomass
potential



Waste-to-wealth
creation from
agricultural, forest
and municipal solid waste

Environment-friendly
fuels for clean
environment



Boosting
farmers' income

Reduction
in crude oil
imports



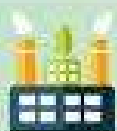
Employment and
entrepreneurship
opportunities

Rural
development



National Policy on **Biofuels 2018**

Salient features



An indicative target of **20%** blending of ethanol in petrol and **5%** blending of biodiesel in diesel is proposed by 2030.



With a thrust on **Advanced Biofuels**, the Policy indicates a viability gap funding scheme for **2G ethanol Bio refineries** of **Rs.5000 crore in 6 years** in addition to additional tax incentives, higher purchase price as compared to **1G biofuels**.



Categorization of Biofuels into **Basic Biofuels** - First generation(1G) Bioethanol & biodiesel and "**Advanced Biofuels**"- Second Generation(2G) ethanol, drop-in fuels, **algae based** Third Generation(3G) Biofuels.



Increase scope of raw material for ethanol procurement by encouraging Intermediate (**B-Molasses**), Sugarcane Juice, other Sugar containing materials and damaged as well as surplus food grains.



Develop **National Biomass repository** by conducting appraisal of biomass across the Country.



Bio diesel production to be encouraged from non edible oilseeds, **used cooking oil**, short gestation crops and development of supply chain mechanisms.



Thrust on **research, development and demonstration** in the field of **Biofuel feedstock** production, advanced conversion technologies from identified feedstock.



Setting up of **National Biofuel coordination committee (NBCC)** under **Ministry of Petroleum & Natural Gas** and Working Group on Biofuels.





1st Generation Biofuel

- It has **High Carbon Content**.
- Made from Edible Items. Eg- Sugar, Corn, Starch etc.



2nd Generation Biofuel

- **Greenhouse Gas content less than 1st Generation Biofuel**
- Made from leftover of Food Crops. Eg- Rice Husk, Wood Chips etc.



3rd Generation Biofuel

- It is **Carbon Neutral** in. (CO_2 Emitted = CO_2 Sequestered)
- Produced using Microorganisms. Eg. Algae



4th Generation Biofuel

- Made from 'Genetically Engineered Crops'.
- They are **Carbon Negative**.

UPSC MAINS QUESTION BASED ON TODAY'S NEWS

Q1 Analyze internal security threats and transborder crimes along Myanmar, Bangladesh and Pakistan borders including Line of Control (LoC). Also discuss the role played by various security forces in this regard. UPSC 2020

According to India's National Policy on Biofuels, which of the following can be used as raw materials for the production of biofuels?

1. Cassava
2. Damaged wheat grains
3. Groundnut seeds
4. Horse gram
5. Rotten potatoes
6. Sugar beet

Select the correct answer using the code given below:

This question was previously asked in

UPSC Civil Services Exam (Prelims) GS Official Paper-I (Held On: 2020)



[View all UPSC Civil Services Papers >](#)

1. 1, 2, 5 and 6 only

2. 1, 3, 4 and 6 only

3. 2, 3, 4 and 5 only

4. 1, 2, 3, 4, 5 and 6



REVIEWS



Neha Jain

1 review

UPSC 2021-RANK 152



★★★★★ 3 years ago

CORE IAS is really an exceptional institute. While other institutes majorly focuses on Prelims part, CORE IAS lays exceptional emphasis on Mains and Answer writing which I believe is a trickiest part of UPSC.

It's very hard to find such a dedicated and passionate teacher like AMIT sir. Really fortunate to be a part of this family.

It was only because of you sir that I was able to unveil the true requirement of the exam.



Highly recommended for those students trying to brush up their Answer writing and Critical thinking.



SANGEETA RAGHAV

6 reviews

(RANK 2)-2018 UPPSC



★★★★★ 3 years ago

The Core IAS is the best coaching centre for those aspirants who are ready for the self hardwork and are in a dire need for the right kind of direction. Amit Sir specially gives individual attention to the serious candidates and motivates keeping the spirit high. What I have gained from them is how to tackle exam both prelims and mains. And I m also thankful for the strategy they gave for ANSWER WRITING... I highly recommend everyone to join Amit Sir class and gain as much as possible, rather than going for the big names!!!

Thank you so much Sir and the core IAS team...for your continuous efforts and hardwork.



Vasu Jain

Local Guide · 57 reviews · 4 photos

(RANK 67) 2020



★★★★★ 3 years ago

An Epitome for Civil Services Preparation.

The pedagogy engaged here ensures a holistic development with respect to the exam. The tutelage of Amit Sir ensures that each and every **student** delivers his/her best.



Kavita Goyal



1 review

★★★★★ 6 months ago

The Core IAS is a well-established IAS coaching centre in Delhi. It has helped numerous **students** secure a seat in IAS and other competitive exams. The institute provides top-notch coaching in the right mix of discipline and flexibility. Its strong focus on building concepts and clarity of mind is what makes it one of the best IAS coaching centres in Delhi.



chandan gupta



1 review

★★★★★ 11 months ago

THE CORE IAS is a very trustworthy coaching for IAS in Delhi. I have taken coaching from them and I got the best results. The faculty here is very experienced and they have the capability of making a **student** learn the subject very easily. They teach the **students** according to their level and they really motivate their **students** to give their best. The fees here is very low when compared to other institutes.



vinay goswami



1 review

★★★★★ 3 months ago

There is two things to do anything,intent and content ,Amit Jain sir has provided both a good intent to help **students** in all possible way and second providing best content according to the demand of exam



Thakur Sunny



1 review

★★★★★ 10 months ago

I joined the core IAS institute recently for best upsc test series in delhi and i m really satisfied by their way of training and motivating , with very good faculties. The core IAS is providing everything from their end and molding us. Even they are providing with study materials for all subjects and they leave no doubts in the mind of **students** which leads them as top rated IAS coaching in delhi.



Shivi Chauhan

3 reviews



★★★★★ 3 months ago

Core ias is one of the best institute for upsc preparation , specially Amit Jain sir is very good mentor he provide constant guidance to his **students** and always support and motivate them to work hard , his answer writing course is Excellent , the guidance he provide for prelims is great.....



Mani Sharma

1 review



★★★★★ 5 months ago

The Core IAS has helped numerous **students** secure a seat in IAS. The Core IAS is the best IAS institute in Delhi.I am so happy I found The Core IAS. The Core IAS is the excellent IAS coaching in Delhi .



Alisha Asija

6 reviews · 9 photos



★★★★★ 6 months ago

I am an aspiring civil servant and I was looking for an IAS coaching institute in Delhi to prepare for the IAS exams. I wanted to join an institute that had a great location, flexible timings and seemed to have a great teacher-**student** ratio. The Core IAS met all of these requirements and I felt confident that I could learn a lot from this institute as I prepared for the toughest exam in the country.The Core IAS is the best IAS institute in Delhi.



Kavita Goyal

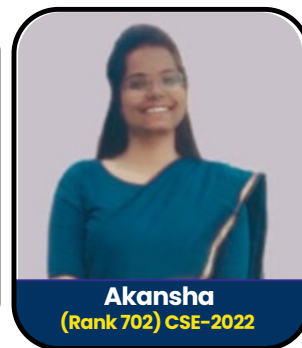
1 review



★★★★★ 6 months ago

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OUR CLASSROOM RESULTS NOT OF INTERVIEW



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