Green Rising Initiative And UNICEF



- Recently, UNICEF's Generation Unlimited, in collaboration with India's Ministry of Environment, Forest, and Climate Change unveiled the "Green Rising" initiative at COP28.

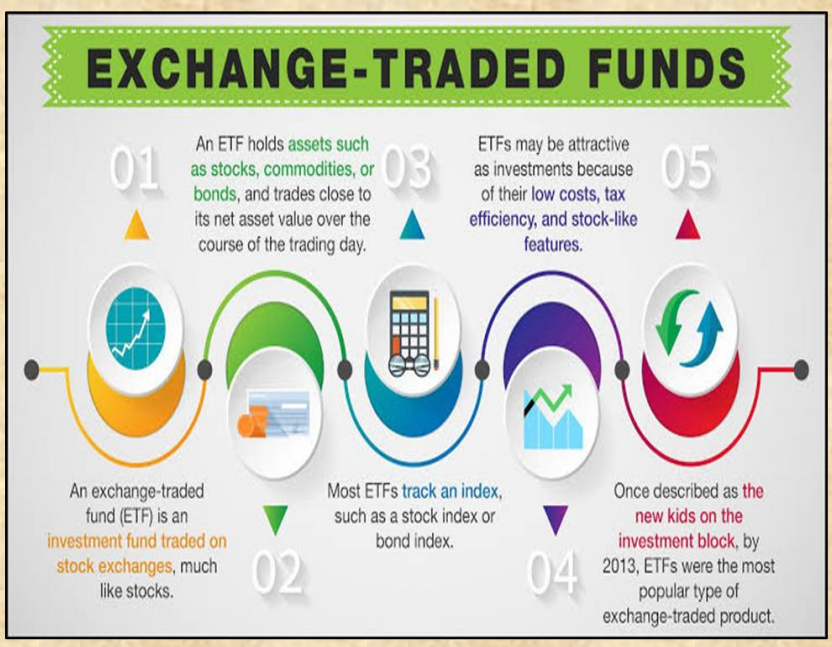
Key Highlights

- Through the YuWaah campaign in India, the focus is on engaging youth to drive impactful environmental actions at the grassroots level, inspired by the Mission Life movement.
- The global "Green Rising" initiative and the "Green Rising India Alliance" mark a collaborative effort involving UNICEF, Generation Unlimited, and a diverse network of public, private, and youth partners.
- The main goal is to mobilize millions of young people worldwide, encouraging their active participation in green initiatives addressing and adapting to the severe impacts of climate change on their communities.

About UNICEF

- UNICEF is the successor of the United Nations International Children's Emergency Fund, created on 11 December 1946.
- UNICEF became a permanent part of the United Nations in 1953.
- It is an agency for providing humanitarian and developmental aid to children worldwide.
- The agency is among the most widespread and recognizable social welfare organizations in the world, with a presence in 192 countries and territories.
- **Headquarters**- New York City.
- UNICEF is guided by the Convention on the Rights of the Child, 1989.
  - It strives to establish children's rights as enduring ethical principles and international standards of behaviour towards children.
- **UNICEF's activities include**
  - Providing immunizations and disease prevention,
  - Administering treatment for children and mothers with HIV.
  - Enhancing childhood and maternal nutrition.
  - Improving sanitation, promoting education, and providing emergency relief in response to disasters.
- UNICEF began its work in India in 1949 with three staff members and established an office in Delhi three years later.
  - Currently, it advocates for the rights of India's children in 16 states.
  - Nodal Ministries- Ministry of Women and Child Development.

Exchange-Traded Funds (ETFs)



- Recently, the Minister of State in the Labour Ministry told Lok Sabha that the total investment by the Employees' Provident Fund Organisation (EPFO) in exchange-traded funds (ETFs) in more than seven years has crossed Rs 2.5 trillion.

About Exchange-Traded Fund (ETF)

- An exchange-traded fund (ETF) is a type of pooled investment security that operates much like a mutual fund.
- Typically, ETFs will track a particular index, sector, commodity, or other assets, but unlike mutual funds, ETFs can be purchased or sold on a stock exchange the same way that a regular stock can.
- ETF share prices fluctuate all day as the ETF is bought and sold; this is different from mutual funds, which only trade once a day after the market closes.
- ETFs offer low expense ratios and fewer broker commissions than buying the stocks individually.
- Bharat-22 ETF is the second ETF from Govt. of India after CPSE ETF, hence it is attracting investors in the stock market.
  - Bharat 22 is an ETF that will track the performance of 22 stocks, which the government plans to disinvest. The Bharat-22 ETF will span six sectors, such as basic materials, energy, finance, FMCG, industrials and utilities.

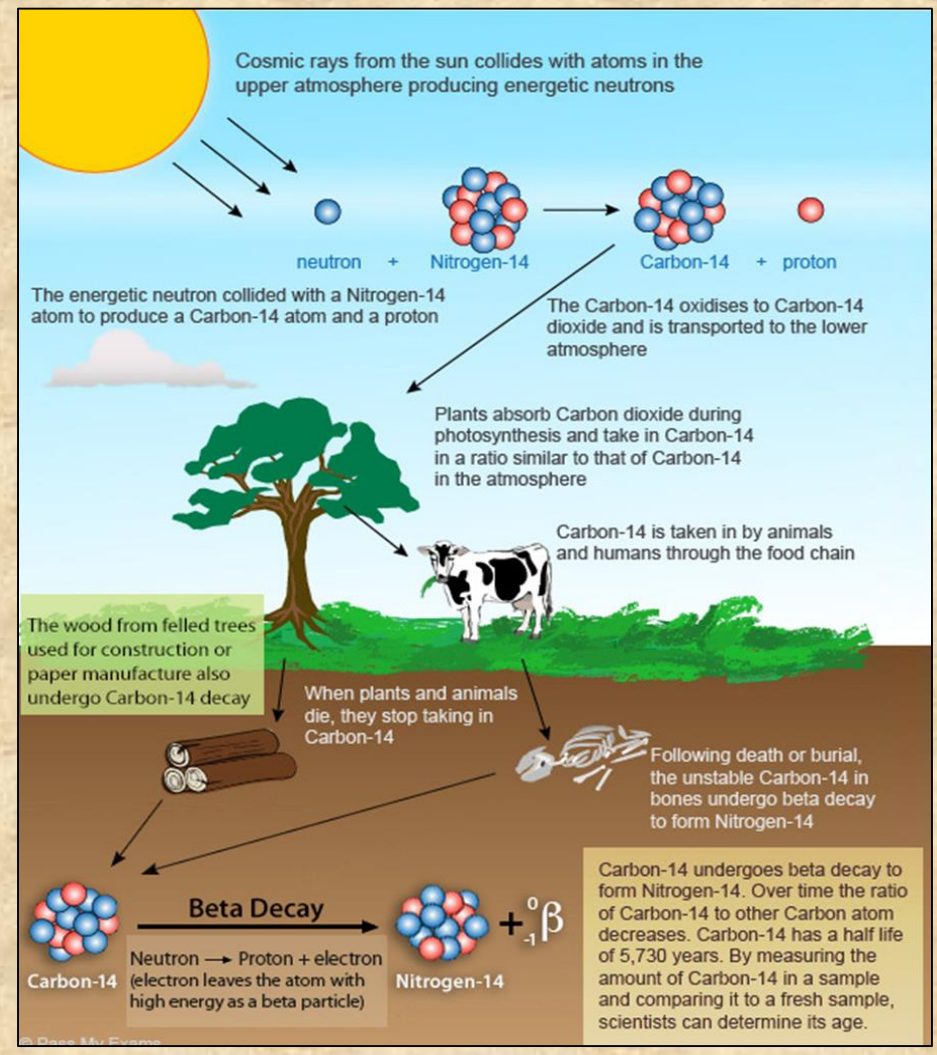
+918586850596
www.prepon.in
prepon03@gmail.com
PrepON Education
Bus Stop, 124-A, near Dr Chandran's Clinic,
,Katwaria Sarai, New Delhi 110016

Radiocarbon Dating

- Archaeologists have used radiocarbon dating to analyze the oldest true wooden frame saddle in East Asia, revealing how the rise of Mongolian steppe cultures was likely aided by advances in equestrian technology.

About Carbon Dating

- Carbon dating is a widely-used **method to establish the age of organic materials,** things that were once living.
- Living things have carbon in them in various forms.
- The dating method is based on the fact that **Carbon-14 (C-14), an isotope of carbon** with an atomic mass of 14, is radioactive, and decays at a well known rate.
- **This is how it works:**
  - The most abundant isotope of carbon in the atmosphere is **C-12.**
  - A very small amount of C-14 is also present.
  - The **ratio of C-12 to C-14** in the atmosphere is almost static, and is known.
  - Plants get their carbon through photosynthesis; animals get it mainly through food.
  - Because plants and animals get their carbon from the atmosphere, they too acquire C-12 and C-14 in roughly the same proportion as is available in the atmosphere.
  - When they die, their interactions with the atmosphere stop.



Limitation

- It **cannot be used** to determine the **age of non-living things like rocks**, for example.
- Also, the age of things that are more than 40,000-50,000 years old cannot be arrived at through carbon dating.
  - This is because after 8-10 cycles of half-lives, the amount of **C-14 becomes almost very small and is almost undetectable.**

Radiometric Dating Method

- instead of carbon, decays of other radioactive elements that might be present in the material become the basis for the dating method.
- Many of these involve elements with half-lives of billions of years, which enable scientists to reliably estimate the age of very old objects.
- Two commonly employed methods for dating rocks are **potassium-argon dating and uranium-thorium-lead dating.**
- The radioactive isotope of potassium decays into argon, and their ratios can give a clue about the age of rocks.

‘Unabated’ Fossil Fuels

- At the ongoing COP28 climate summit, one phrase that has taken the centrestage is “unabated” fossil fuels.
- The latest draft of a potential climate agreement at the meeting mentions “rapidly phasing down unabated coal” as one of the actions to slash greenhouse gas emissions.
- The phrase is inextricably tied to Carbon Capture and Storage (CCS) technologies.



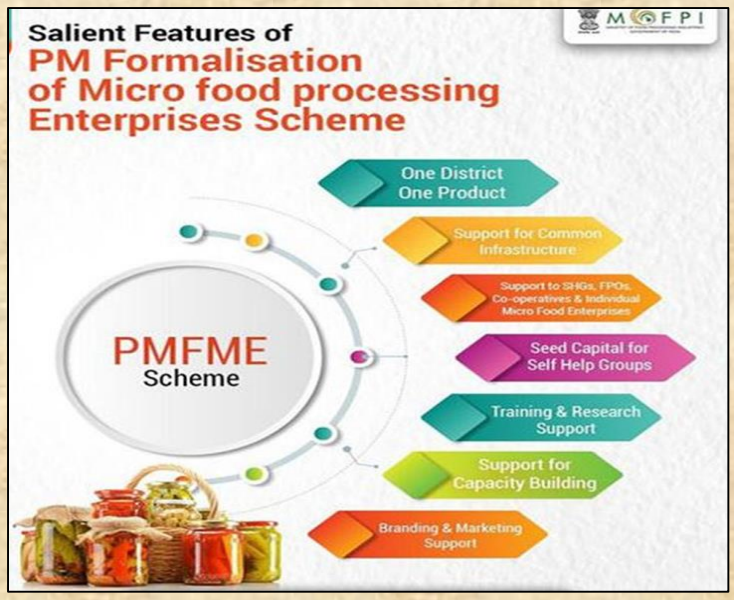
About ‘Unabated’ Fossil Fuels

- When it comes to fossil fuels, “unabated” means doing nothing to reduce the carbon dioxide (CO2) and other greenhouse gases that are released from the burning of coal, oil, and natural gas.
- Conversely, “abated” refers to the attempts to decrease the release of polluting substances to an acceptable level.
- However, there isn’t any clarity on what this level is and how to get there.
- Moreover, there is no international or agreed-upon definition of the two phrases.
- As per IPCC unabated fossil fuels are those “without interventions that substantially reduce” greenhouse gas emissions.

+918586850596
www.prepon.in
prepon03@gmail.com
PrepON Education
Bus Stop, 124-A, near Dr Chandran’s Clinic, ,Katwaria Sarai, New Delhi 110016

PM Formalisation of Micro Food Processing Enterprises Scheme (PMFME)

- The PM Formalisation of Micro Food Processing Enterprises Scheme (PMFME) has sanctioned 62,282 loans as of December 8.



❖ About PMFME

- It is a **centrally sponsored scheme**.
- Launched under the **Aatmanirbhar Bharat Abhiyan**.
- Nodal Ministry- **Ministry of Food Processing Industries (MoFPI)**
- **Aims**
  - To **enhance the competitiveness of existing individual micro-enterprises** in the unorganized segment of the food processing industry
  - To **provide support to Farmer Producer Organizations, Self Help Groups, and Producers Cooperatives** along their entire value chain.
- With an outlay of Rs. 10,000 crore **over a period of five years from 2020-21 to 2024-25**, the scheme envisions to directly assist the 2,00,000 micro food processing units for providing financial, technical, and business support for up-gradation of existing micro food processing enterprises.
- It provides credit-linked subsidy to set up or upgrade micro food processing units,
- The **scheme adopts the One District One Product (ODOP) approach** to reap the benefit of scale in terms of procurement of inputs, availing common services and marketing of products.
- **Funding**
  - 90:10 ratios with North Eastern and Himalayan States.
  - 60:40 ratios with UTs with legislature, and 100% by Centre for other UTs.
  - 60:40 ratios between Central and State Governments for other states.

Exercise VINBAX-2023

- Recently, A contingent of 45 Indian Armed Forces personnel has arrived in Hanoi, Vietnam, to participate in the fourth edition of the Joint Military Exercise VINBAX-2023.

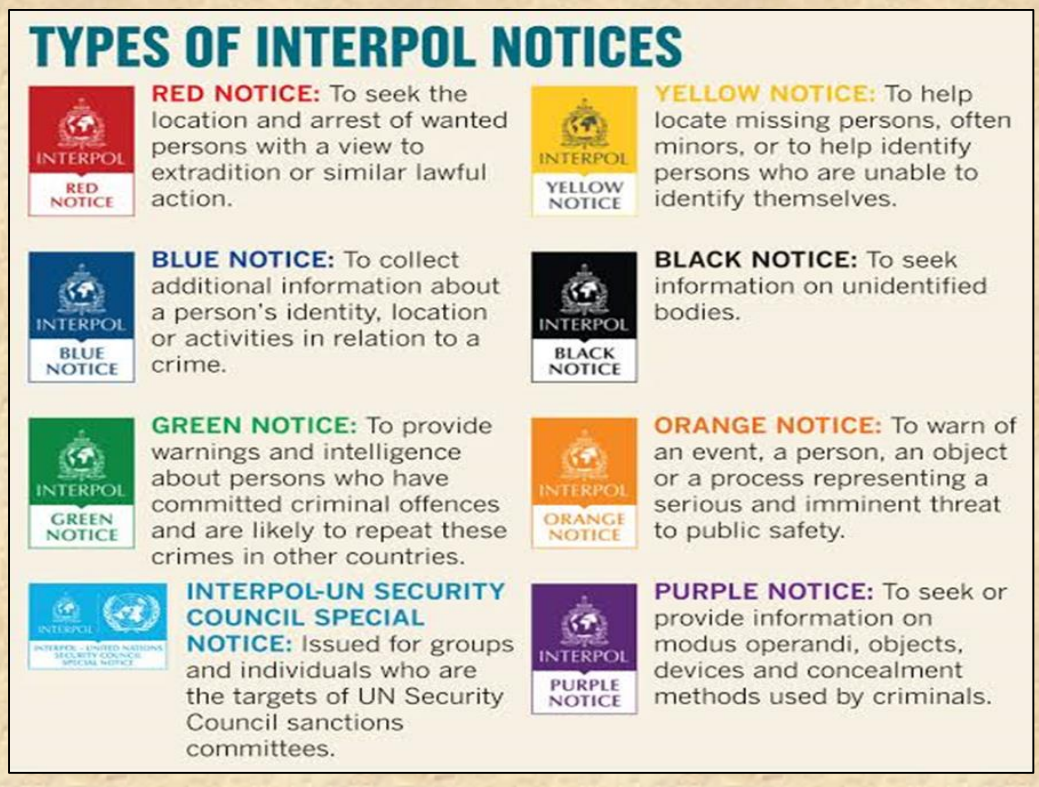


❖ Key Highlights

- Running from December 11th to 21st, the exercise aims to strengthen collaborative partnerships, promote interoperability, and share best practices between India and Vietnam.
- The VINBAX exercise was initiated in 2018.
- It is an annual training event that alternates between India and Vietnam.
- The first edition took place in Jabalpur, Madhya Pradesh, and the most recent edition occurred at Chandimandir Military Station in August 2022.

Operation Storm Makers II

- Operation Storm Makers II resulted in the arrest of 281 persons in different countries, on charges such as human trafficking, passport forgery, corruption, telecommunications fraud, and sexual exploitation.



❖ About Operation Storm Makers II

- It is the first Interpol operation against fraud schemes which took place from October 16 to 20.
- The operation involved law enforcement in 27 countries across Asia and other regions.
- The fraud schemes included fake cryptocurrency investments, fraudulent work-from-home offers, and lottery and online gambling scams.
- Indian enforcement agencies also participated in the exercise.

:: END ::

+918586850596
www.prepon.in
prepon03@gmail.com
PrepON Education
Bus Stop, 124-A, near Dr Chandran's Clinic, ,Katwaria Sarai, New Delhi 110016