

## UPSC Daily Current Affairs| One Liners 07-02-2025

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#### Geography

##### Seabed 2030 Project

- **Launched in** - 2017.
- **Collaborative project** - Between IHO/IOC General Bathymetric Chart of the Oceans (GEBCO) and the Nippon Foundation.
- **Aim** - To *map the entire ocean floor by 2030*.

#### Polity & Governance

##### Bharat Ranbhoomi Darshan

Currently, 77 tourist sites showcase India's rich military heritage.

- **Launched in** - 2025, on January 15, Indian Army Day.
- **Nodal Ministry** - Ministry of Defence.
- **Objective** - To raise awareness by opening historically significant locations linked to the valor and sacrifices of the Indian Armed Forces to tourists.
- These places have *war memorials/museums* and some facilities for refreshment etc.
- **Tourism sites** - It spans across various states,
  - 11 - Jammu and Kashmir
  - 4 - Himachal Pradesh
  - 7 - Rajasthan & Sikkim
  - 5 - Gujarat & Ladakh
  - 1 - Arunachal Pradesh
  - 8 - Uttarakhand.

##### Shatavari -For Better Health

- **Launched by** - Ministry of Ayush and National Medicinal Plants Board (NMPB).
- **Concept** - It is a nationwide *species-specific campaign*.
- **Objectives** - To spreading knowledge of the *health benefits of medicinal plants* across the country.
- **Key role** - It is known for its numerous health benefits, particularly in supporting women's health and enhancing immunity.

##### SMILE - Support for Marginalized Individuals for Livelihood and Enterprise

- **Launched in** - 2022.
- **Nodal Ministry** - Ministry of Social Justice and Empowerment.
  - **Sub-schemes** - Comprehensive Rehabilitation for Welfare of Transgender Persons.
  - Comprehensive Rehabilitation of persons engaged in the act of Begging.
- **Focused on** - Extensively rehabilitation, provision of medical facilities, counseling, education, skill development, economic linkages etc.

##### 'Pariksha Pe Charcha' 2025

- **Show features** - 8 episodes focusing on stress-free exams.
- **Initiative** - Aims at exam warriors, parents, and teachers.

#### Economy

### **Geo-Economic Fragmentation (GEF)**

- It is a policy-driven reversal of global economic integration often guided by strategic considerations.
- **Composition** - This process encompasses different channels, including trade, capital, and migration flows.
- It replacing the globalization.

### **Delhi International Leather Expo (DILEX) 2025**

- **Aim** - To enhance exports, create employment & strengthen India's global market presence.
- **Introducing Reforms** - To boost trade & industry, by reducing basic Customs Duty on wet blue leather & eliminating export duty on crust leather.
- **Custom financial assistance** - It includes customized credit cards for micro-enterprises & support for SC/ST women entrepreneurs.
- **Export Promotion Mission** - It will be launched with sectoral & BharatTradeNet (BTN) will be established to streamline international trade.
- Council for Leather Exports has set a target of \$47 billion by 2030, with a special focus on footwear & leather exports.

## **Environment**

### **Nematodes**

*In Goa, a symposium organized by Syngenta India, called for an effective nematode management.*

- Nematodes are any of a major group of long cylinder-shaped worms that are **parasites in animals or plants** or live in soil or water.
- It is commonly called as eelworms or threadworms.
- **Habitat** - Found in almost every terrestrial and aquatic habitat.
- **Feed on** - Underground plant tissues such as roots, rhizomes, tubers and bulbs, making them invisible enemies.
- **Impact** - Attack plant roots, causing stunted growth, reducing yields, and increasing their vulnerability to diseases.
- **India** - A major crop losses due to plant parasitic nematodes are valued at ₹25,000 crore annually.

## **Science**

### **Artificial Photosynthesis in Space**

*Chinese astronauts aboard Shenzhou-19 achieved the 1<sup>st</sup> demonstration of artificial photosynthesis in space.*

- **Innovative approach** - It enables astronauts to turn sunlight into vital rocket fuel, namely oxygen and ethylene.
- **Usage** - The drawer-shaped device, the power of semiconductor catalysts, mimic the natural processes that plants use for survival.
- **Features** - It operates efficiently at room temperature and standard atmospheric pressure, requiring significantly less energy.
- It revolutionizes long-distance space travel, by making it feasible to convert carbon dioxide into usable resources.

### **China's Chang'e-7 Mission**

- **Aim** - To search for water on the Moon's South Pole.
- **Agency** - Chinese Space Agency (CNSA).
- **Launch** - Planned to launch in 2026.
- **Components** - Orbiter, lander, lunar rover & a flying robotic detector.



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