

UPSC Daily Current Affairs| One Liners 25-01-2025

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History, Art and Culture

76th Uttar Pradesh Foundation Day 2025

- **Statehood Day** - 1950, 24 January.
- **Historical background** - It is recognized in the later Vedic Age as *Brahmarshi Desha* or *Madhya Desha*.
- **1935** - Its name was shortened to *United Provinces*.
- **1950** - United Provinces was renamed as Uttar Pradesh.
- It is home to revered places such as,
 - Birthplace of Lord Ram in Ayodhya.
 - Lord Krishna in Mathura.
 - Holy city of Varanasi.
- It is a "*Holy Land*" in shaping India's history, mythological tales, and culture.

Geography

Uttar Pradesh

- **Capital** - Lucknow.
- **Languages** - Hindi and Urdu.
- **Bordered by** - Uttarakhand and Himachal Pradesh in the north, Haryana in the west, Madhya Pradesh in the South and Bihar in the east.
- **Rivers** - Ganga, Yamuna, Gomti, Ram Ganga, Ghagra, Betwa, Ken.
- It is blessed with *fertile and mineral-rich soil*.

Polity & Governance

Mangrove Initiative for Shoreline Habitats and Tangible Incomes (MISHTI)

- **Launched in** - 2023.
- **Aim** - *Restoration of mangrove forests* by undertaking mangrove reforestation/afforestation measures along the coast of India.
- **Coverage** - 540 sq. km of mangroves across 9 coastal states and 4 Union territories.
- **Time period** - 2023-2028 (5-years).
- **Focused on** - Sundarbans delta, Hoogly Estuary in West Bengal and other wetlands.
- **Implementation** - Funding will be done from State CAMPA, National CAMPA & MGNREGA and also from other sources.
- **Mangrove Alliance for Climate** - "MISHTI" comes after India joined the Alliance.
- It was launched during the 27th Conference of Parties (COP27) of the United Nations Framework Convention on Climate Change held in Egypt in November 2022

Digital Tree Aadhaar programme

- **Launched in** - 2021.
- **Launched by:**
 - Jammu and Kashmir Forest Department.
 - J&K Forest Research Institute (JKFI).
- **Objective** - To *conserve the iconic Chinara trees*, a symbol of the region's cultural and ecological heritage.
- It includes geo-tagging each tree with QR codes to record vital information, such as location, health and growth patterns.

PM Suryaghar Muft Bijli Yojana.

- **Launched in** - 2024.
- **Aim** - To *increase the share of solar rooftop capacity* and empower residential households to generate their own electricity.
- It is the *world's largest* residential rooftop solar initiative.
- **Time period** - Till 2026-27.
- **Implemented by** - A National programme Implementation Agency (NPIA) at the National level and by the State Implementation Agencies (SIAs) at the state level.
- **Working** - To provides for a subsidy of 60% of the solar unit cost for systems up to 2kW capacity.
- 40% of additional system cost for systems between 2 to 3kW capacity.

Security

Pralay

- **Pralay** - It is the *indigenous short-range* surface-to-surface quasi-ballistic missile.
- **Range** - Approximately *400 km*.
- It is the *1st ballistic missile in India* for conventional strikes.
- **Approved by** - Defence Acquisition Council (DAC).
- **Development by** - Research Centre Imarat, Hyderabad of DRDO
- **Capability** - To strike different types of targets using different types of warheads.
- **Deployment along** - Line of Control (LoC).
 - Line of Actual Control (LAC).

SANJAY - The Battlefield Surveillance System (BSS)

- **SANJAY** - It is an automated Battlefield Surveillance System (BSS) which integrates the inputs from all ground and aerial battlefield sensors.
- It produces a Common Surveillance Picture of the battlefield over secured Army Data Network & Satellite Communication Network.
- **Developed by** - Indian Army and Bharat Electronics Limited (BEL).
- **Applications** - Monitors vast land borders.
 - Prevent intrusions.
 - Assess situations with unparalleled accuracy.
 - Prove to be a force multiplier in intelligence, surveillance & reconnaissance.

Science

International Solar Conference (ISC)

- **Conference on** - Sun, Space Weather and Solar-Stellar Connections.
- **Organised by** - Indian Institute of Astrophysics (IIA).
- **Purposes** - To commemorate the 125th anniversary of the *Kodaikanal Solar Observatory (KSO)*.
- **Themes** - Solar magnetism over long time scales.
 - Solar magnetism in high resolution.
 - Energetic phenomena.
 - Solar-stellar connection.
 - Heliosphere.
 - Space weather.

Kodaikanal Solar Observatory (KSO)

- **Established in** - 1899.
- **Location** - Palani hills, Tamil Nadu.
- **Operated by** - Indian Institute of Astrophysics.
- **Observation** - It houses a digital repository of *1.2 lakh digitized solar images and 1000s of other images of the Sun* recorded every day.
- It made understanding of sunspots, solar flares, coronal mass ejections and other solar phenomena.

Artificial Sun

Chinese scientists achieved a world record with artificial Sun.

- **Artificial Sun** - It is a *mega nuclear fusion device*, which generates energy through a fusion process similar to that of the sun.
- **Aim** - To create *clean and sustainable energy* through a fusion process for global energy supply.
- **Conducted at** - Experimental Advanced Superconducting Tokamak (EAST).
- **Achievement** - Maintained plasma temperatures exceeding *100 million degrees Celsius for nearly 18 minutes*.



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