

UPSC Daily Current Affairs| One Liners 22-01-2025

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History, Art and Culture

Parakram Diwas

- **Parakram Diwas** - To commemorate Netaji's birth anniversary.
- **Organized by** - Ministry of Culture.
- **1st Edition in** - 2021, held at Victoria Memorial, Kolkata.
- **2025 Parakram Diwas** - on 128th birth anniversary, to be held at Cuttack, Netaji's birthplace.
- **Recognition** - His house has now been converted to a museum dedicated to him.
- In 2023, a hologram statue of Netaji unveiled at India Gate, New Delhi and 21 unnamed islands in Andaman and Nicobar named after 21 Param Vir Chakra Awardees.

Tripura, Manipur and Meghalaya Statehood Day 2025

- **Foundation Day** - 1972, 21st January.
- **Meghalaya** - Once a part of Assam, Meghalaya gained autonomy through the Assam Reorganisation (Meghalaya) Act of 1969.
- The constitutional framework for this significant transition was established by the North Eastern Areas Reorganisation Act, 1971.

Geography

Tripura

- **Borders** - Bangladesh (East Bengal) to the north, south, and west, and Assam and Mizoram to the east.
- **Demography** - Majority are the Hindu Bengali people, while indigenous communities or tribes, account for about 30%.
- **Tribal groups** - Among the 19 recognised tribes, those speaking the Kokborok language form the largest group.

Manipur

- **Historical background** - It was under British rule and officially merged with India when Maharaja Budhachandra signed the Treaty of Accession in 1949.
- **Capital** - Imphal, also known as Kangleipak and Sanaleibak.
- **Bordered by** - Nagaland to the north, Mizoram to the south, Assam to the west, and Myanmar (Burma) to the east.
- **Population demography** - It includes diverse ethnic groups like Meetei, Kuki, Naga, and Pangal, who primarily speak Sino-Tibetan languages.

Meghalaya

- The term 'meghalaya' meaning 'the abode of clouds' in Sanskrit.
- **Borders** - Bangladesh to the south & west and Assam to the east.
- **Capital** - Shillong, is nestled in the Khasi Hills.
- **Primary languages** - Khasi, Pnar, Garo, and English.
- It is known as the wettest region in India, around 70% of Meghalaya is covered in lush forests.

Polity & Governance

All India Presiding Officers' Conference (AIPOC)

- **AIPOC** - It is the apex body of the Legislatures in India.
- **1st Edition in** - 1921, has completed its 100 years in 2021.
- **85th edition** - It held in Patna, has adopted 5 resolutions on
 - Tributes to founding fathers
 - Respect for values in constitution
 - Barrier-free and orderly debates
 - Celebration of 75th years of constitution
 - Use of digital technology

One Nation, One Legislative Platform

- **Vision of** - Indian Prime Minister.
- **Concept** - A unique platform to Indian citizens, enabling them to access Parliament debates and legislative debates on any topic through keyword, metadata, and AI-powered search.
- **Current progress** - Parliament debates are being made available online by translating them into both Hindi and English.
- State legislatures have also made remarkable progress in digitizing their current and past debates.

Agriculture

Livestock Conclave 2025

- **Theme** - Dialogue for Holistic Development of Livestock Sector in North East India.
- **Held in** - Shillong, Meghalaya.
- **Objectives** - To discuss strategies for the holistic development of the livestock & poultry sector in the North East Region (NER) states.
- To assess the present status and challenges, explore opportunities for growth and development through value chain strengthening, technological interventions and policy support.

Science

Huntington's Disease

- **Cause due to** - A fault in HTT gene, which is responsible for making the huntingtin (Htt) protein.
- **Condition** - Mutated gene creates dysfunctional Htt protein.
- **Symptoms** - It causes degeneration of neurons affecting movement, cognition, and memory.
- **Recent findings** - Modified fruit flies show mutated human HTT gene effects.

Hypersonic Missiles

- **Speed** - It travel faster than Mach 5 (over 5,400 km/hr)
- **Capabilities** - Capable of bypass existing Air Defense Systems & can delivering rapid and impactful strikes.

Scramjet Engine Technology

- **Technology** - An air breathing engines that enable combustion at supersonic speeds.
- **Mechanism** - Flame stabilization technique maintains continuous flame at high air speeds.
- **Development in India** - Defense Research & Development Laboratory (DRDL) has taken the initiative in developing a long-duration Supersonic Combustion Ramjet or Scramjet powered hypersonic technology.
- Advanced Computational Fluid Dynamics (CFD) simulation tools were used for their evaluation & performance prediction.

Defense Research & Development Laboratory (DRDL)

- **Part of** - DRDO.
- **Located in** - Hyderabad.
- **Role** - For the design and development of state-of-the-art Missile Systems and technologies required for the deterrence and defence of the country.
- **Technologies deployed on** - Underwater, sea, land as well as air based platforms.
- **R&D** - Aerodynamics and Airframe Design, Computational Fluid Dynamics, Ramjet and Scramjet Propulsion, Precision Fabrication, Systems Analysis, as well as the Command and Control systems for missile based weapon systems.

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Readiness Assessment Methodology (RAM)

- **RAM** - It includes a range of quantitative and qualitative questions designed to gather information about different dimensions related to a,
 - Country's AI ecosystem.
 - Legal, regulatory, social, cultural, economic, scientific, educational, technological and infrastructural.
- **Purpose** - To support member states in their implementation of the UNESCO recommendation on the Ethics of AI.

AI RAM in India

- It marked the 2nd in a series of 5 consultations to shape India's AI policy.
- **Aim** - To craft an India-specific AI policy report, identifying strengths and growth opportunities within India's AI ecosystem.
- **Initiated by**
 - United Nations Educational, Scientific and Cultural Organization (UNESCO).
 - Ministry of Electronics and Information Technology (MeitY).