

## 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.
- **1<sup>st</sup> Edition in** - *2021*, held at Victoria Memorial, Kolkata.
- **2025 Parakram Diwas** - on 128<sup>th</sup> 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*, 21<sup>st</sup> 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*.
- **85<sup>th</sup> 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 75<sup>th</sup> 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 *2<sup>nd</sup> 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).

