

## UPSC Daily Current Affairs| One Liners 28-02-2025

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#### History, Art and Culture

##### Jahan-e-Khusrau

*It's an international festival of Sufi music, poetry & dance held in Delhi.*

- **Festival Commemorates** - Legacy of Amir Khusrau.
- **Organized by** - Rumi Foundation.
- **Significance**- It brings together artists from various parts of the world, fostering cultural exchange and promoting the spirit of Sufism.
  - It has become a well-known cultural event.

#### Geography

##### Mount Fentale

*Scientists recently observed extraordinary methane emissions from Mount Fentale, Ethiopia.*

- **Volcano type**- Stratovolcano
- **Emissions peaked at** - 58 metric tonnes per hour. This is significantly higher than typical volcanic emissions, dominated by carbon dioxide Methane & sulphur dioxide.
- **Methane is a** - Potent greenhouse gas, 28 times more effective at trapping heat than carbon dioxide.
- **Features of Stratovolcano type** - Known for its steep, cone-shaped structure built up from layers of lava, ash, and rock.
  - **Summit Caldera** - A large, bowl-shaped depression at the top, formed by past eruptions.

#### Polity & Governance

##### Delimitation

- **Aims to** - Fix the number of seats and defines constituency boundaries. It ensures proportional representation based on population.
- **Articles**- 82 , 170
- **Determines** - Reserved seats for SCs & ST.
- **Delimitation Commission is** - Established under an act of Parliament.
- **Nature**- It is a high powered body, and its orders cannot be challenged in court.
  - The Election Commission assists in the process.
- **Delimitation Commission Members** - Retired SC judge serves as Chairperson.
  - The Chief Election Commissioner or a nominated Election Commissioner is a member.
  - State Election Commissioners of respective states.

#### International Relations and Issues

##### Golden Visa

*US is set to reintroduce its EB-5 visa program as the "Gold Card" visa,*

- **Benefit**- provides residency or citizenship in a foreign country.
- **Achieved through** - Substantial financial investments, unlocking **long term** - Residency, tax benefits, and business prospects.
- **Investment Eligibility** - Generally ranging from \$200,000 to \$5 million.
- **Eligible investments** - Encompass real estate, business capital, government bonds, and economic development funds, with potential minimum stay requirements.
- **Example of** - United Arab Emirates Golden Visa Offers a 10-year residency visa for a minimum investment of AED 2 million.
  - **Portugal's Investment Program** - Requires a €500,000 investment in qualified funds or job creation, excluding real estate options.
  - Program aims to boost the country's economy through diversified investments.

#### Environment

### Chinese alligator, *Alligator sinensis*.

- **IUCN Status**- Critically endangered
- **Native to** - Eastern China.
- **Facing threat due to** - Human activities & limited public awareness.
- **Habitat Range** - Historically, it inhabited the middle and lower Yangtze and Yellow River basins' freshwater wetlands.
- **Current Status** - Today, only about 200 individuals remain in fragmented habitats within southeastern Anhui Province.

### **Science**

#### National Science Day (NSD)

*This event commemorates the 'Raman Effect' discovery by C.V Raman*

- **Discovered on** - February 28, 1928.
- **NSD Celebrated Since** - February 28, 1987
- **Theme of 2025 - Youth and Viksit Bharat**
- **Nodal Agency** - National Council for Science & Technology Communication, under the Department of Science & Technology.
- **Purpose to** - Spread awareness about the importance of science in daily life.
  - To encourage students and young people to pursue careers in science.
  - To promote scientific temper and innovation.

#### Why Mars is Red

- **Mars' red hue** - Due to ferrihydrite, not just dry-formed iron oxides.
- **Old Beliefs** - Previously, hematite, formed in dry conditions, was thought to cause Mars' red color.
- **New research** - Indicates a more complex, wetter past for the planet which had a water-rich history.
- **Key Findings of the Study** - Ferrihydrite better explains Mars' red dust than hematite.
  - Ferrihydrite forms quickly in cool, wet environments.
  - Suggests Mars had liquid water on its surface earlier than previously believed.
  - Research included creating synthetic Martian dust in the lab to match spacecraft observations.

#### National Geospatial Policy 2022

- **Citizen focused initiative Using**- Geospatial technology.
- **Aims to** - Bolster the geospatial sector for national development and economic growth.
- **High-Resolution Mapping by 2030** - The policy targets high-resolution topographical surveys and mapping.
  - It seeks a high-accuracy Digital Elevation Model (DEM) by 2030.
- **Global Geospatial Vision** - Positions India as a global leader in the geospatial domain. It aims to create a top-tier ecosystem for innovation.

### **Miscellaneous**

#### National Institute of Design (NID) Ahmedabad's

- **Establishment Year** -1961
- **Status** - Autonomous Institute
- **Governing Ministry** - Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry, Government of India.
- **Core Mandate - Design Education and Awareness:**
  - To offer world-class design education.
  - To promote design awareness for improving quality of life.

#### 9th National Summit in Puri

- **Host**- The Ministry of Health & Family Welfare.
- **Showcase** - Innovative public healthcare practices from States and Union Territories.
- **Summit's Goal:** The summit aims to promote knowledge sharing and strengthen India's public healthcare system.
  - It will foster collaboration and innovation for improved health outcomes.

