UPSC Daily Current Affairs| One Liners 13-03-2025

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History, Art and Culture

National Archives of India (NAI)

NAI celebrates its 135th Foundation Day with the inauguration of the exhibition "Indian Heritage through Architecture"

• **Aim –** To make historical documents accessible to a wider audience.
• **Showcasing** – India's architectural legacy, covering ancient, medieval, Mughal, and colonial-era structures.
• **Displayed** – Official government files, personal papers of eminent personalities, UNESCO documents, and archaeological excavation records.
• **Launch of 'Gyan Bharatam Mission** – A visionary initiative to save and promote the heritage of the country's manuscripts.
• Announced in the Union Budget 2025-26.

Geography

Vadhavan Port on PPP Model

Recently Union Cabinet has approved the setting up of Major Port at Vadhavan, near Dahanu, in Maharashtra on PPP mode.

• **PPP Framework** – Concessions for port terminals are granted via global bidding, with revenue-sharing agreements and assets revert to port authorities after tenure completion.
• **Major Ports** – India has 12 Major Ports governed by the Major Port Authorities Act, 2021.
• **Vadhavan Port Project** – Approved in June 2024, the Rs.76,220 crore project in Maharashtra will be developed under PPP model.

Polity & Governance

Prime Minister Dhan Dhaanya Krishi Yojna

Recently Government has launched a programme to improve farmer's livelihood.

• **Objective** – To help 1.7 crore farmers through enhanced agriculture productivity, improved irrigation facilities and facilitating long-term and short-term credit.
• **Implementation** – By converging other schemes and *cover 100 aspirational districts* with low productivity, moderate crop intensity and below average credit parameters.
• **Benefits** – Provides quality seeds, fertilizers, and chemicals to boost crop production.

Rural Prosperity and Resilience Programme

Recently, government has launched a comprehensive multi-sectoral rural programme.

• **Purpose** – Launched in partnership with states to address under-employment in agriculture.
• **Key focus areas** – Skilling, investment, and technology to invigorate rural economy.
• Modernizing agriculture with improved productivity and warehousing.
• **Target beneficiaries** – Rural women, young farmers, marginal & small farmers and landless families.
• **Implementation strategy** – Adoption of global and domestic best practices, technical & financial assistance from multilateral development banks.
  - **Phase-1** – Cover 100 developing agri-districts.

PLI scheme for Specialty Steel

Recently, government has launched the second round of PLI scheme for Specialty Steel.

• **Objective** – To strengthening domestic production, fostering innovation, and reducing imports.

• **Specialty steel** – It is a value-added steel wherein normal finished steel is worked upon by way of coating, plating and heat treatment.

• **Applications** – Used in defence, space, power, automobile, specialized capital goods etc.

• **Duration** – 2025-26 to 2029-30.

Agriculture

Soil Fertility Mapping

• **Soil Fertility Maps** – It provides detailed spatial information about the *nutrient composition, health and delineating* natural bodies of soils

• **Mapped by** – Soil & Land Use Survey of India (SLUSI) under Department of Agriculture & Farmers' Welfare.

• District/village-wise digital soil fertility mapping is done through ***geo-spatial techniques*** using Soil Health Card (SHC) data.

• **Geospatial techniques:**
  - Remote sensing
  - AI based tools.

• **Application** – It helps farmers in application of fertilizers and reducing the risk of overuse or underuse of fertilizers.

AAHAR-2025

Recently, Union Minister of Food Processing Industry inaugurated the AAHAR-2025 event.

• **AAHAR-2025** – Advancing Food Safety and Innovation.

• **Organized by** – Ministry of Food Processing Industries and NIFTEM-Kundli.

• **Objective** – To focus on innovations in food processing, machinery, packaging, safety, and regulatory frameworks, bringing together experts from various sectors.

• **Vision** – *At least one Made-in-India food product* on every global dining table.

• **Key Outcomes**:
  - Importance of aligning regulatory standards with global best practices
  - Integrating advanced technologies like Blockchain and AI for food safety
  - Fostering collaborations to enhance India's food processing sector.

Science

Preprints

Preprints were gaining popularity due to its open-access.

• **About** – A preprint is a *scientific paper shared publicly* before undergoing peer review in a journal.

• **Advantages** – It allows rapid dissemination of research, especially in urgent cases like COVID-19 or Pandemic Like situation , though quality varies.

• **Impact** – It promote open-access science but also raise concerns about the reliability of non-peer-reviewed studies.

Polygraph

• **Polygraph** – It is also called a *lie-detector test*, is generally used during interrogation by police.

• **Working Mechanism** – Uses a pneumograph tube, blood pressure cuff, and electrodes to detect deviations linked to deception.

• **Significance** – Records physiological responses like blood pressure, pulse, respiration and skin conductivity during interrogations.

• **Reliability** – Scientifically *unreliable* and inadmissible in court.

Miscellaneous

75/25 Initiative

Recently, government unveiled the 75/25 initiative on World Hypertension Day on May 17, 2023.

• **Aim** – To provide *standardized care to 75 million people* with Hypertension and Diabetes by December 2025.

• **Address Non-Communicable Diseases (NCDs)** – Such as hypertension, diabetes, oral cancer, breast cancer and cervical cancer.

• **Screening Drive** – A nationwide NCD screening campaign is launched to achieve 100% screening for individuals aged 30+ from Feb 20 to Mar 31, 2025.

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