

# **UPSC Daily Current Affairs** One Liners 04-11-2025

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#### **Government Policies and Interventions**

# Research, Development and Innovation (RDI) Fund

PM unveiled a Rs.1 trillion RDI fund.

- Nodal ministry Department of Science and Technology.
- Fund will operate through 2 tiers:
- **Level I -** Special-purpose fund under <u>Anusandhan National Research Foundation</u> will be principal custodian.
- **Level II -** Capital to be deployed via professional managers such as Alternate investment funds (AIFs), development finance institutions (DFIs), non-banking financial companies (NBFCs), and focused research organisations (FROs) such as the Technology Development Board (TDB), Biotechnology Industry Research Assistance Council (BIRAC), and IIT Research Parks.
- **Financing modes -** Long-tenure, low or zero-interest loans, equity infusions for startups, and allocations to the deeptech FoFs
  - No grants or short-term lending
- **Focus areas** Energy security and transition, quantum computing, robotics, space technology, biotechnology, and AI.
- To know more, click here.

## **International Relations and Issues**

# 5<sup>th</sup> India-Bahrain High Joint Commission Meeting

- Held in New Delhi.
- Key highlights
  - To enhance future collaboration in the areas of defence and security.
- India is among the top 5 trading partners of the Kingdom of Bahrain and "noted the progress" made on the commencement of negotiations on a *Comprehensive Economic Partnership Agreement (CEPA)* between 2 countries.
- To develop a common understanding to commence <u>Double Taxation Avoidance</u> <u>Agreement (DTAA)</u> negotiations, to eliminate double taxation, provide tax certainty and promote trade and investment.
- Informal consultation A dialogue on enhancing partnership between *India and the League of Arab States (LAS)*.
- It focused on implementing the <u>Executive Programme of the India-Arab Cooperation</u> <u>Forum (IACF)</u> covering areas such as energy, education, media and culture.

# **Agriculture**

## National FPO Samagam 2025

- Organized by Ministry of Agriculture and Farmers' Welfare.
- **Celebration of -** The remarkable achievements under the Formation and Promotion of 10,000 Farmer Producer Organizations (FPOs) Scheme.
- **Aim** To further strengthen farmer collectives through collaboration, technology, and value addition.
- **Significance** It underscores the spirit of "One India One Agriculture", which shows FPOs from diverse regions are uniting to build a resilient and market-driven agri-economy.

## **Polity & Governance**

## FSSAI Ban on ORS Branding

The Delhi High Court upholds the FSSAI's order barring companies from using the label 'ORS', citing serious health risks for consumers.

- **Context** Food Safety and Standards Authority of India's (FSSAI) decision to ban the use of the word 'ORS' (Oral Rehydration Solution) in the naming of any fruit-based, non-carbonated, or ready-to-drink beverages.
- **Banned due to** <u>"Serious public health considerations"</u> and were regulatory in nature, applicable across the food industry.
- Malpractice of brands By using 'ORS' on food labels as part of a trademark was "misleading to customers by way of false, deceptive, ambiguous, and erroneous name/label declarations".

## Security

### **Trishul**

- It is a <u>Tri-Services Exercise (TSE-2025)</u> with the Indian Navy leading the large-scale joint drills alongside the Indian Army and Indian Air Force across the creek and desert sectors of <u>Rajasthan and Gujarat</u>, extending into the northern Arabian Sea.
- Coordinated by The Headquarters Western Naval Command.
- **Participants from -** Army Southern Command, Western Naval Command, and South Western Air Command, supported by the Indian Coast Guard, Border Security Force, and other central agencies.
- **Aim** To validate joint operational procedures, enhance interoperability, and strengthen network integration among the Services.
- To underscore the collective resolve of the Indian Armed Forces to operate in a fully integrated, multi-domain environment, and national security preparedness.
- Extensive maritime operations It includes amphibious landings using *INS Jalashwa* and Landing Craft Utility vessels, alongside carrier operations and air-sea coordinated missions with the IAF.
- **Key focus on -** Joint Intelligence, Surveillance and Reconnaissance (ISR), Electronic Warfare (EW), and Cyber Warfare operations.
- **Significance** It emphasize the use of indigenous systems, reflecting the principles of *Aatmanirbhar Bharat*.

#### Science

# 4<sup>th</sup> Annual General Meeting (AGM)

- Convened by Mobile and Electronic Devices Export Promotion Council (MEDEPC).
- Kev focus on -
  - India's export performance reflects a remarkable growth.
- Overall electronics exports increased by 41.9%, (April-September 2025, compared to same period last year).
- <u>Smartphone export increased by 58% export growth</u> (USD 13.38 billion from USD 8.47 billion in 2024).
- In FY 2024–25, India recorded USD 38.6 billion in electronics exports, <u>a 32.6% year-on-year increase</u>.
  - India now ranks as the  $3^{rd}$ -largest smartphone exporter globally.
- **Significance** It is firmly establishing its expanding role in global value chains.

## **MEDEPC**

- Established under Ministry of Commerce & Industry.
- Working closely with Directorate General of Foreign Trade (DGFT) and Department of Commerce.
- **Objectives** To serves as the apex body promoting exports of mobile phones, components, and electronic devices from India.
- To facilitates exporter support, policy advocacy, and global representation of India's electronics industry.
- **Significance** India's deepening participation in global value chains (GVCs) underscores its transformation into a resilient and trusted manufacturing hub, offering stability and scale amid global supply chain realignments.

**Auditory Fusion vs Fusion threshold vs Masking** 

Auditory Fusion	Fusion threshold	Masking
when 2 sounds arrive so close	The smallest time gap	Masking is when one sound
together in time that the ear	between 2 sounds that still	hides another because it's
and brain treat them as a	lets you hear them separately	stronger or very close in time
single event.	is called the fusion threshold.	or frequency.

• **Advantages** - Engineers use these facts in audio compression, to process speech, and to build concert halls by spacing out or merging sounds to improve clarity and intelligibility.

#### Difference between M2M SIM & Normal SIM Card

Government Finalizes Framework for Transfer of M2M Subscriber Identity Module (SIM) Ownership.

Feature	M2M SIM	Regular SIM Card
1.Intended Use	Machine-to-machine, IoT, industrial automation	Phones, tablets, human communication
2.Durability	High endurance, industrial- grade	Standard consumer use
3.Connectivity	Multi-network, global coverage	Single network, limited roaming
4.Data Transmission	Frequent, small packets	Larger, less frequent packets
5.Security	Advanced, IoT-focused	Basic, consumer-focused
6.Remote Management	Extensive OTA diagnostics and control	Limited or none
7.Reliability	Designed for 24/7 uptime	Prone to interruptions, especially roaming
8.Contract Flexibility	Scalable, pooled and flexible plans	Fixed, individual plans

#### Places in News

# Achanakmar Tiger Reserve

The tiger population in this Reserve has witnessed a remarkable increase, rising from 5 in 2022 to 18 in 2025, largely due to the arrival of the tigress Jhumri from Bandhavgarh (MP).

- Located in Bilaspur, Chhattisgarh.
- Established in 1975, as a wildlife sanctuary and became a tiger reserve in 2009.
- Part of Achanakmar-Amarkantak Biosphere Reserve.
- **Corridor linkage** Kanha and Bandhavgarh Tiger Reserves, which enables tiger movement and maintaining genetic diversity.
- **Tribal Communities** Baigas (PVTG), Gond, and Yadav communities.
- **River & Water Resources** <u>Maniyari River</u> is a life line of the reserve and merges with Seonath River of the Mahanadi Basin.
- **Vegetation & Flora -** Dominated by <u>tropical moist deciduous forests</u>, which includes Sal, Saja, Tinsa, Bija, Haldu, Teak, Dhawara, Lendia, Khamar, and Bamboo.
- Fauna Wildlife includes tiger, leopard, wild dog, hyena, bison, chinkara, sambar, chital, flying squirrel etc.

