



# CHINMAYA ACADEMY FOR CIVIL SERVICES

## CURRENT AFFAIRS

OCTOBER 14

# TNPSC

## GROUP I/IB/II/IIA/IV

# PCM BATCH



**CHINMAYA ACADEMY  
CIVIL SERVICES**

(Coaching for Civil Services - IAS, IFS, IPS, IAS etc.)  
Academy which cares to be different

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# FREE DEMO CLASS

Date	Time
17/10/2025 Friday	01:30pm - 03:30pm
18/10/2025 Saturday	01:30pm - 03:30pm
25/10/2025 Saturday	01:30pm - 03:30pm
26/10/2025 Sunday	01:30pm - 03:30pm



**Meeting ID: 891 8949 1948**  
**Passcode: CACS**

### REGISTRATION MUST






**63811 16441 / 95005 85211**

**CHINMAYA ACADEMY FOR CIVIL SERVICES**  
ANNA NAGAR WEST, CHENNAI - 600 040.

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## TAMILNADU

### **1.Tamil Nadu Cancels Class XI Public Examinations (2025)**

#### **Announcement and Implementation**

- Issued by: Tamil Nadu Government
- Via: Government Order (G.O.)
- Effective from: Academic Year 2025–26
- Linked to: Implementation of the Tamil Nadu State Education Policy (SEP)

#### **Provisions**

- Class XI public examinations cancelled from the academic year 2025–26.
- Students will follow the system that existed before 2017–18.
- Directorate of Government Examinations (DGE) will continue to conduct Class XI exams only for failed or reappearance candidates up to March 2030.
- Integrated mark certificates for Classes XI and XII will be discontinued.
- From 2025–26 onwards, separate mark certificates will be issued only for Class XII public examinations.

#### **Background**

- Class XI board examinations were first introduced in 2017–18.
- Purpose: To ensure uniform teaching of the Class XI syllabus across schools.

- Schools and teachers' associations had long demanded cancellation due to academic pressure and syllabus redundancy between Class XI and XII.
- The change was recommended in the Tamil Nadu State Education Policy released in August 2025.

### Objectives

- To reduce examination stress on students.
- To streamline the evaluation process under the new State Education Policy.
- To promote continuous assessment instead of multiple board examinations.
- To align the State education system with student-centric learning goals.

### Significance

- A major step in implementing the Tamil Nadu State Education Policy.
- Reflects the government's focus on flexibility and holistic learning.
- Reduces student stress and simplifies the exam structure.
- Marks a return to the pre-2017 system, reversing the earlier reform.

**INDIA**

## **2.India's Maitri II Antarctic Research Station (2025)**

- The **Government of India** has approved the establishment of a new Antarctic research base called **Maitri II**.
- The project has been allotted a **budget of approximately ₹2,000 crore** by the **Finance Ministry**.
- It will be implemented by the **National Centre for Polar and Ocean Research (NCPOR)** under the **Ministry of Earth Sciences (MoES)**.

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- **Maitri II** will be located in **eastern Antarctica**, replacing the old Maitri station in the **Schirmacher Oasis** region.
- The new base is targeted to become **operational by January 2029**.
- This will be **India's fourth Antarctic research facility** after **Dakshin Gangotri (1983), Maitri (1989), and Bharati (2012)**.
- The existing **Maitri station** is aging and facing problems related to **infrastructure and waste management**.
- **Maitri II** will be designed as an **eco-friendly, energy-efficient station** using **solar and wind power**.
- It will enable **advanced scientific research** in **climate change, glaciology, atmospheric sciences, and biodiversity**.
- The station will include **automated instruments** capable of **remote data transmission** and **unmanned operation**.
- A **German company** has been selected to prepare the **Detailed Project Report (DPR)** and **environmental assessment**.
- **Prefabricated materials** will be built in India and transported to Antarctica **via South Africa**.
- **Construction activities** will only take place during the **Antarctic summer (October to March)** due to harsh weather.
- The project aims to **enhance India's long-term scientific and strategic presence** in Antarctica.

### **3.Vital Statistics of India 2023 – CRS Report :**

- Report: Vital Statistics of India based on Civil Registration System (CRS) – 2023
- Released by: Registrar-General of India (RGI)
- Year of data: 2023
- Released: October 2025

#### **Birth Statistics**

- Total registered births in 2023: 2.52 crore
- Decrease from 2022: 2.32 lakh fewer births

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- Birth registration coverage: 98.4%
- Institutional births: 74.7% of total registered births
- Sikkim's data not included

### Death Statistics

Year	Deaths Registered	Remarks
2020	81.2 lakh	Pre-pandemic baseline
2021	102.2 lakh	Excess of about 21 lakh deaths (COVID-19 impact)
2022	86.5 lakh	Decline after pandemic
2023	86.6 lakh	Marginal increase of 0.1 lakh

- No major rise in deaths during 2022–2023.
- Health Ministry's COVID-19 death toll (as of May 2023): 5.33 lakh.

### Sex Ratio at Birth (Females per 1,000 Males)

Lowest Sex Ratio States (2023):

1. Jharkhand – 899
2. Bihar – 900
3. Telangana – 906
4. Maharashtra – 909
5. Gujarat – 910
6. Haryana – 911
7. Mizoram – 911

- Bihar has recorded the lowest sex ratio consistently since 2020.

Highest Sex Ratio States/UTs (2023):

1. Arunachal Pradesh – 1,085
2. Nagaland – 1,007
3. Goa – 973
4. Ladakh – 972

5. Tripura – 972

6. Kerala – 967

### **Timely Registration of Births (Within 21 Days)**

States/UTs with over 90% timely registration:

Gujarat, Puducherry, Chandigarh, Dadra and Nagar Haveli and Daman & Diu, Tamil Nadu, Lakshadweep, Andaman and Nicobar Islands, Haryana, Himachal Pradesh, Goa, Punjab.

States with 80–90% timely registration:

Odisha, Mizoram, Maharashtra, Chhattisgarh, Andhra Pradesh.

States with 50–80% timely registration:

Assam, Delhi, Madhya Pradesh, Tripura, Telangana, Kerala, Karnataka, Bihar, Rajasthan, Jammu & Kashmir, Jharkhand, West Bengal, Meghalaya, Uttar Pradesh.



## **SCIENCE AND TECHNOLOGY**

### **3.Fisher Friend Mobile Application (FFMA) – Tech4Nature Award 2025 Recognition**

- **Award:** *Tech4Nature Award 2025*
- **By:** *International Union for Conservation of Nature (IUCN) at World Conservation Congress, Abu Dhabi*
- **Developed by:** *M.S. Swaminathan Research Foundation (MSSRF)*

#### **About the App**

- **Name:** *Fisher Friend Mobile Application (FFMA)*

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- **Purpose:** To assist fishermen with safety, weather, and conservation alerts.
- **Launch background:** Developed after the **2004 Indian Ocean Tsunami**.
- **Supported by:** *Qualcomm and INCOIS (Indian National Centre for Ocean Information Services).*

### Impact

- **Protects:** *Olive Ridley turtles* (endangered species).
- **Main feature:** *No-Fishing Zone Alert System*
  - Uses **geolocation + geo-fencing** technology.
  - Warns fishermen in **real time** when boats approach protected turtle nesting zones.
  - Works **offline**, crucial for deep-sea operations.
  - Has triggered **7,000+ alerts**, preventing accidental violations.

### Conservation Areas Covered

1. **Gahirmatha Marine Wildlife Sanctuary (Odisha)**
2. **Three river mouths** identified as turtle nesting sites.
3. Covers zones with **200-metre geofenced boundaries**.

### App Features

- Real-time info on:
  - **Weather and ocean conditions**
  - **Potential fishing zones**
  - **Disaster alerts**
  - **Government schemes**
  - **Navigation hazards** (rocks, coral reefs, sunken ships)
- **Languages supported:** 9 Indian languages
- **Coverage:** 1,22,000 registered users across **9 coastal states + 1 Union Territory**

## People

- **Dr. Soumya Swaminathan** – Chairperson, MSSRF
  - Described the app as a *model of participatory technology*.
- **Velvizhi S.** – Area Director, MSSRF Coastal and Marine Resources Programme
  - Led the *No-Fishing Zone* feature development with Odisha's Fisheries Department.

## Future Plans

- Expand app model to other coastal regions in **South Asia**.
- Integrate **AI and microclimate data** for precise ocean analytics.
- Extend conservation efforts to **dugongs** (sea cows).

## Significance

- Balances **marine biodiversity conservation** with **fishermen's livelihoods**.
- Example of **community-led, tech-driven environmental protection**.
- Strengthens India's global leadership in **blue economy and sustainable fisheries**.

## 4.New Begonia Species – Arunachal Pradesh (2025)

- A new **Begonia species** with sparkling red leaves was discovered in **Basar, Lepa-Rada district**, Arunachal Pradesh.
- The discovery was made by the **State Horticulture Research and Development Institute (SHRDI)**.
- Identification was confirmed by **Botanical Survey of India (BSI)** experts — **Dr. Dipoo Dipankar Borah, Dr. Momang Taram, and Dr. Krishna Chowlu**.
- The plant is named "**Chowna Buku Chulu**" (meaning *noble red*) and "**Aryarakta**" in Sanskrit.



- It is named in honour of **Deputy Chief Minister Chowna Mein** for his contribution to horticulture research.
- The species has **high ornamental and commercial potential** due to its red foliage.
- The discovery highlights **Arunachal Pradesh's biodiversity richness** and promotes **sustainable horticulture and agricultural innovation**.

## AWARDS / PRIZES

### 5.Nobel Prize in Economic Sciences 2025 :

#### Basic Details

- Award: Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel 2025
- Announced by: Royal Swedish Academy of Sciences
- Prize amount: 11 million Swedish Kronor (approx. 1.2 million USD)
- Date of announcement: October 2025
- Nature of award: Final Nobel Prize announced for the year

#### Winners

1. **Joel Mokyr** – Professor, Northwestern University, United States
  2. **Philippe Aghion** – Professor, Collège de France and INSEAD (Paris), and London School of Economics (UK)
  3. **Peter Howitt** – Professor, Brown University, United States
- Prize division:
    - Half of the award to **Joel Mokyr**
    - The other half jointly to **Philippe Aghion** and **Peter Howitt**

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## Awarded For

- **Contribution:** “For having explained innovation-driven economic growth.”
- Their combined work explains how **technological innovation** acts as the central driver of **sustained long-term economic growth**.
- Emphasizes that **economic stagnation**, not growth, was historically the norm — and growth must be continuously nurtured through innovation and policy support.

## Individual Contributions

### Joel Mokyr:

- Used historical economic data to identify factors that enabled sustained growth through **technological innovations**.
- Demonstrated how ideas, culture, and knowledge diffusion shaped the Industrial Revolution and modern growth patterns.

### Philippe Aghion and Peter Howitt:

- Developed the “**Creative Destruction**” **model** — a mathematical framework showing that:
  - Innovation is a continuous process of replacement.
  - New and better products, firms, and technologies **destroy older, less efficient ones**, driving productivity and income growth.

## Concept: Creative Destruction

- Originates from Joseph Schumpeter’s economic theory.
- Describes the process of **innovation-led transformation** in which older industries and technologies are replaced by new ones.
- Central to **endogenous growth theory**, where innovation comes from within the economy rather than from external forces.

## Broader Context

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- The Economics Nobel is **not part of Alfred Nobel's original will**.
- Established later in **1968 by Sweden's central bank (Sveriges Riksbank)**.
- First awarded in **1969 to Ragnar Frisch (Norway) and Jan Tinbergen (Netherlands)** for dynamic economic modeling.

### Historical Note

- Nobel Prizes for Medicine, Physics, Chemistry, Peace, and Literature were first awarded in **1901** (as per Alfred Nobel's will).
- Economics Prize added in **1969** as an additional category.

### Recent Nobel Economics Laureates

- **2024:** Simon Johnson, James Robinson, Daron Acemoglu – for linking colonisation, institutional quality, and long-term poverty.
- **Earlier well-known laureates:** Milton Friedman, Paul Krugman, Ben Bernanke.

### Significance

- Reinforces the role of **innovation, research, and technological progress** as the core engines of modern economic growth.
- Offers policy insights for **sustaining growth** and avoiding stagnation through continuous innovation and education.
- Highlights the need to **protect innovation ecosystems** for long-term prosperity.



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### PRELIMS CUM MAINS

Regular & Weekend

**31<sup>ST</sup> OCT 2025**

OFFLINE  
ONLINE

Scan to register





- 550 மணி நேரத்துக்கும் மேற்பட்ட வகுப்புகள்
- தினசரி வகுப்பு கையேடுகள்
- 200 - க்கும் மேற்பட்ட தேர்வுகள்
- நடப்பு நிகழ்வுகளின் தொகுப்புகள் வழங்கப்படும்
- தினசரி எழுத்து பயிற்சி தேர்வுகள்

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