

**09 - MARCH 2025**

**TNPSC**

**Group - I/IB/II/IIA**

**Prelims Cum Mains**

**Regular Batch**

  
**CHINMAYA ACADEMY**  
**CIVIL SERVICES**  
(Coaching for Civil Services - IAS, IFS, IPS, IRS etc.)  
Academy which cares to be different

**MARCH**  
**29**

**9:30 AM - 12:30 PM**

**புதிய வகுப்புகள் ஆரம்பம்**

**சிறப்பம்சங்கள்**

- தினசரி கேள்வி பதில் நேரம்
- TNPSC தரத்திலான தேர்வுகள்
- PYQ அடிப்படையிலான திருப்புதல் வகுப்புகள்
- திறனறிவு பாடத்திற்கு சிறப்பு கவனம்
- முதன்மைத் தேர்வுக்கான தினசரி எழுத்துப் பயிற்சி

**OFFLINE**

**ONLINE**



**95005 85211 / 93636 01008**

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

# CHINMAYA ACADEMY FOR CIVIL SERVICES

## NATIONAL

### Pashu Aushadhi Initiative

- Government initiative for affordable veterinary medicines.
- Supports animal husbandry & dairy farmers.
- Inspired by PM Bharatiya Janaushadhi Kendras (PMBJK) for human medicine.

### Link to Livestock Health & Disease Control Programme (LHDCP)

- Part of revised LHDCP.
- Budget: ₹3,880 crore (2024-25 & 2025-26).
- ₹75 crore allocated specifically for Pashu Aushadhi.



### Current Livestock Statistics (20th Livestock Census, 2019)

- Total Livestock Population: 535.78 million.
- Bovine Population: 302.79 million.
- Common diseases affecting productivity:
  - Foot & Mouth Disease (FMD)
  - Brucellosis

### Operational Framework

- Managed by:
  - Cooperative societies.
  - Pradhan Mantri Kisan Samridhi Kendras (PMKSK).
- Guidelines by: Department of Animal Husbandry & Dairying.
- Ensures efficient distribution & accessibility.

### Inclusion of Traditional Medicines

- Ethnoveterinary medicines will be available.
- Based on traditional knowledge & NDDB-identified formulations.

### Focus on Disease Prevention

- Immunisation & medicine access to reduce disease incidence.
- Improves productivity & supports farmer livelihoods.

## SCIENCE & TECHNOLOGY

### Chandrayaan-3 Mission

#### Recent Findings

- **Possible ice deposits beneath the Moon's surface**, especially at the poles.
- Discovery made by analysing **temperature data** from the **ChaSTE (Chandra's Surface Thermophysical Experiment)** probe.
- Crucial for **future lunar exploration** and understanding the **Moon's geological history**.

#### Chandrayaan-3 Mission Overview

- **Launched by ISRO** from Bengaluru.
- **Successfully landed on August 23, 2023**, near the **Moon's south pole**.
- **Landing site: 'Shiv Shakti Point' (69° S latitude)**.

#### Temperature Measurements by ChaSTE

- Recorded **extreme temperature variations**:
  - **Daytime**: Up to **82°C**
  - **Nighttime**: As low as **-170°C**

## AGRICULTURE

### Genetically Modified (GM) Crops

- **Crops with altered genes** using **genetic engineering**.
- Genes from other organisms inserted to enhance:
  - **Yield**
  - **Disease resistance**
  - **Nutritional value**
- **Bt Cotton** was the **only GM crop** approved for commercial cultivation in India until now.



#### About GM Mustard (DMH-11)

- India's first indigenously developed GM mustard.
- Developed by Delhi University.
- Hybridization:
  - 'Varuna' (Indian variety) × 'Early Heera-2' (East European variety).

#### Genetic modification:

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- Uses two genes, '**barnase**' & '**barstar**', from *Bacillus amyloliquefaciens* (bacterium).
- **Yield Increase:**
  - **28% higher** than the national average.
  - **37% higher** than local mustard varieties.

## Role of the Genetic Engineering Appraisal Committee (GEAC)

- **Regulatory body under:** Ministry of Environment, Forest & Climate Change.
- **Functions:**
  - Reviews **environmental impact** of **GM crops & hazardous organisms**.
  - Approves **field trials & commercial release** of GM organisms.
- **Structure:**
  - **24 members**, chaired by a senior official from the ministry.
  - Meets **monthly** to assess GM crop applications.

## REPORTS

### UN Women Report on Gender Equality (2025)

#### Key Findings of the Report

- Nearly **25% of governments** reported **backlash against gender equality**.
- Released by **UN Women** on **International Women's Day (March 8, 2025)**.
- Emphasized the **urgent need** to safeguard and advance **women's rights**.
- Report titled "**Women's Rights in Review 30 Years After Beijing**".

#### Violence Against Women

- **1 in 3 women** faces **physical/sexual violence** in her lifetime.
- **Technology-facilitated violence (online harassment)** is a rising concern.
- **90% of countries** have **gender-based violence laws**, but only **79% have action plans**.

#### Political Representation

- Women hold **27% of parliamentary seats** globally (**up from 11% in 1995**).
- Gender quotas and special measures **help improve representation**.
- **Majority of political seats still held by men**.

#### Beijing+30 Action Agenda (Key Focus Areas)

1. **Bridging the digital gender divide**.
2. **Freedom from poverty**.

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3. **Zero tolerance for violence.**
4. **Equal decision-making power.**
5. **Women's roles in peace & security.**
6. **Climate justice.**

## IMPORTANT DAYS

### International Women's Day

- Celebrated annually on **March 8**.
- **Theme (2025):** Yet to be announced (2024 theme was "Invest in Women: Accelerate Progress").

### Historical Background

- Originated from **women's labor movements** in the early **20th century**.
- First observed in **1909 (USA)**; later recognized globally.
- **UN officially adopted it in 1977.**



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