



July - 30

TNPSC BITS

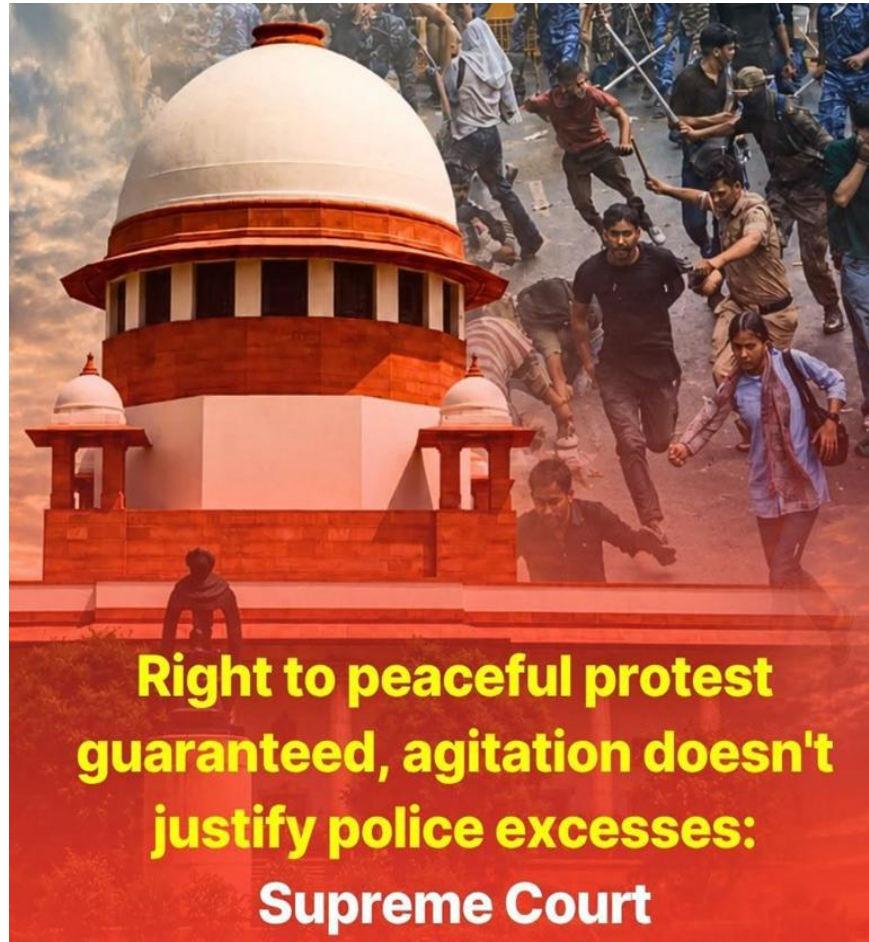
- ❖ Chinese Artificial Intelligence (AI) startup Moonshot AI launched Kimi K3, the world's first open-source 3-trillion-parameter class Artificial Intelligence model.
- ❖ Tamil Nadu weightlifter Raja Muthupandi won the silver medal in the men's 65 kg weightlifting event at the 2026 Commonwealth Games (CWG) in Glasgow, Scotland.
- ❖ India's first AI-powered bird sanctuary is being developed at the Thane Creek Flamingo Sanctuary (TCFS) in Mumbai, Maharashtra.
 - TCFS is a recognized Ramsar Site and a crucial stop on the Central Asian Flyway.
- ❖ The Union Government appointed senior IAS officer Anurag Jain as the CEO of NITI Aayog.
 - The appointment was approved by the Appointments Committee of the Cabinet (ACC), according to an official order issued by the Department of Personnel and Training (DoPT).
- ❖ International Day of Friendship is observed on 30 July every year to promote peace, unity, mutual understanding and cooperation among people, communities and nations.
- ❖ World Day Against Trafficking in Persons is observed on 30 July to raise awareness about human trafficking and protect victims of exploitation.
 - The theme for the year 2026 is "Trapped Behind the Scam".

NATIONAL NEWS

Supreme Court on Protest Rights

- ❖ The Supreme Court of India observed that the right to peaceful protest is constitutionally protected and considered framing uniform guidelines for police action during protests.
- ❖ A Bench led by Chief Justice of India (CJI) Surya Kant said peaceful protests cannot be met with police excesses and stressed discipline by both protesters and law enforcement agencies.
- ❖ The court was hearing petitions related to alleged police action during the July 20, 2026 Parliament march and other protests over examination paper leaks.
- ❖ The Supreme Court stated that injuries to both protesters and police personnel are matters of concern and suggested the need for proper safety measures.

- ❖ The court considered creating a pan-India Standard Operating Protocol (SOP) to regulate police conduct during large-scale demonstrations.
- ❖ The petitions also sought restrictions on the use of pellet guns for crowd control, citing concerns related to the fundamental right to peaceful assembly under Article 19(1)(b) of the Constitution.



New Nitrogen Fertiliser - Anhydrous Ammonia

- ❖ India approved the manufacture and use of anhydrous ammonia as a fertiliser for three years.
- ❖ Anhydrous ammonia contains 82% nitrogen, making it one of the most concentrated nitrogen fertilisers, while urea contains about 46% nitrogen.
- ❖ It is stored under pressure and injected below the soil surface using specialised equipment, as it can cause burns and inhalation hazards.
- ❖ India produces about 30 million tonnes of urea every year but imports nearly 10 million tonnes to meet domestic demand.

- ❖ Under the National Green Hydrogen Mission, the Government plans to procure 7.24 lakh metric tonnes of Green Ammonia annually to produce Green Urea.



Public Examinations Amendment Bill 2026

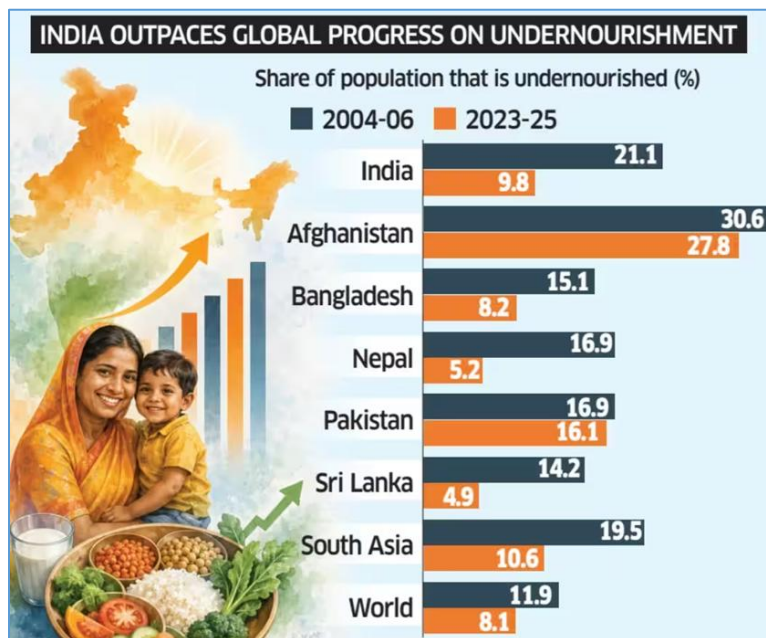


- ❖ The Union Government introduced the Public Examinations (Prevention of Unfair Means) Amendment Bill, 2026 in the Lok Sabha to prevent exam paper leaks.
- ❖ The Bill proposes increasing punishment for individuals involved in unfair means from a maximum of 5 years to 10 years imprisonment and fines up to ₹50 lakh.
- ❖ Organised offences may attract up to 7 years imprisonment and a fine of up to ₹10 crore.
- ❖ It proposes setting up Special Task Forces, Special Fast Track Courts, and completing investigations within two months.

- ❖ Fast Track Courts must conduct daily hearings and aim to complete trials within three months after filing the charge sheet.

Hunger in India

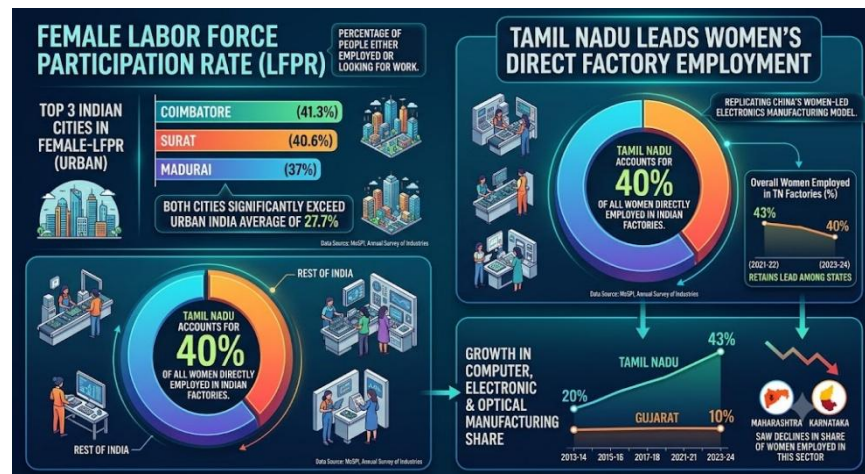
- ❖ India has reduced its undernourished population by 42% over the last two decades, outpacing global trends in its battle against hunger.
- ❖ The share of undernourished Indians plummeted from 21.1% in 2004–06 to 9.8% in 2023–25.
- ❖ More than a third of the population—520.1 million people (35.5%)—cannot regularly afford a nutritionally adequate diet.
- ❖ The cost of a healthy diet in India increased by more than a 3 times over six years.
- ❖ Within South Asia, the cost of a healthy diet in India was the lowest among all countries except Pakistan.
- ❖ Elsewhere in Asia, the cost was lower in China, but far higher in Japan and South Korea.



Female-LFPR (Labour Force Participation Rate)

- ❖ Tamil Nadu accounts for 40% of all women directly employed in Indian factories.
- ❖ It is replicating China's women-led electronics manufacturing model.

- ❖ The Ministry of Statistics and Programme Implementation (MoSPI) reported that Coimbatore (41.3%) and Madurai (37%) rank among the top 3 Indian cities in female-LFPR.
- ❖ Both cities significantly exceed the urban India average of 27.7%.
- ❖ Sandwiched between the two, at 40.6%, is Surat.
- ❖ However, the Annual Survey of Industries data shows that Gujarat's share among women employed in the manufacture of computers, electronics and optical products remained stagnant at 10% from 2013-14 to 2023-24, even as it grew from 20% to 43% for Tamil Nadu in the same period.
- ❖ Maharashtra and Karnataka saw declines in the share of women they employ in the manufacture of computers, electronics and optical products.
- ❖ As a percentage of all women directly employed in India's factories – irrespective of what they manufacture – Tamil Nadu remains the leader among states.
- ❖ It has largely held on to this lead, with its share showing only a slight decline from 43% in 2021-22 to 40% in 2023-24.
- ❖ The state's share of women in computer, electronic, and optical manufacturing jumped from 20% to 43% within a decade.
- ❖ The Labour Force Participation Rate refers to the percentage of people either already employed or looking for work.



8th WTO trade policy review

- ❖ India heads into the 8th WTO trade policy review in Geneva, Switzerland, with record exports in focus.
- ❖ The review assesses the country's trade policies and practices.
- ❖ It was conducted by the Ministry of Commerce and Industry once every five years for India.

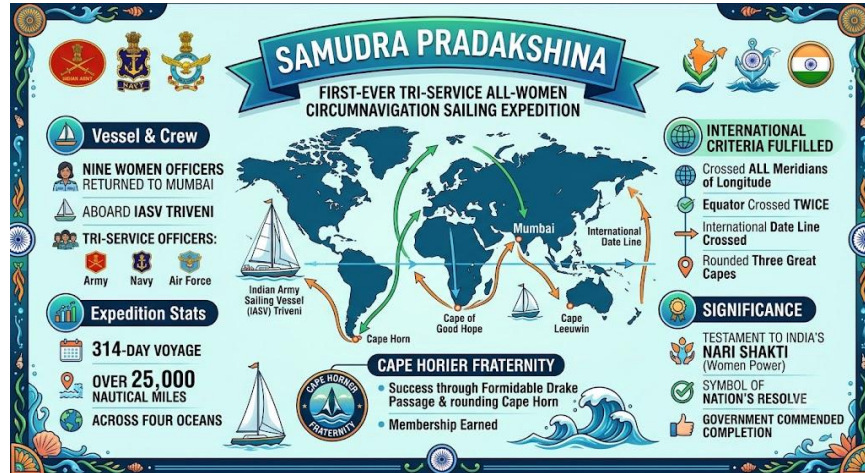
- ❖ The latest review covers the period from January 1, 2021, to December 31, 2025.
- ❖ It is based on two key documents — a policy statement submitted by the member country and an independent report prepared by the WTO Secretariat.
- ❖ The Trade Policy Review is one of the WTO's key transparency mechanisms and provides members with an opportunity to evaluate each other's trade policies and practices through a comprehensive peer review process.



Samudra Pradakshina

- ❖ It is the first-ever Tri-service all-women circumnavigation sailing expedition.
- ❖ Nine women officers of the three Services returned to Mumbai aboard the Indian Army Sailing Vessel (IASV) Triveni.
- ❖ It was after completing a 314-day voyage covering over twenty-five thousand nautical miles across four oceans.
- ❖ The expedition successfully fulfilled all internationally recognised criteria for a circumnavigation by crossing all meridians of longitude, crossing the Equator twice, crossing the International Date Line and rounding the Three Great Capes - Cape Leeuwin, Cape Horn and the Cape of Good Hope.
- ❖ The successful passage through the formidable Drake Passage and rounding of Cape Horn earned the crew membership of the prestigious fraternity of Cape Horner.

- ❖ The Government described the completion of the expedition as a testament to India's Nari Shakti, and a symbol of the nation's resolve.
- ❖ The expedition brought together officers from the Army, Navy and Air Force on a single mission.



SCIENCE AND TECHNOLOGY NEWS

Rare Blue Straggler Star Discovery

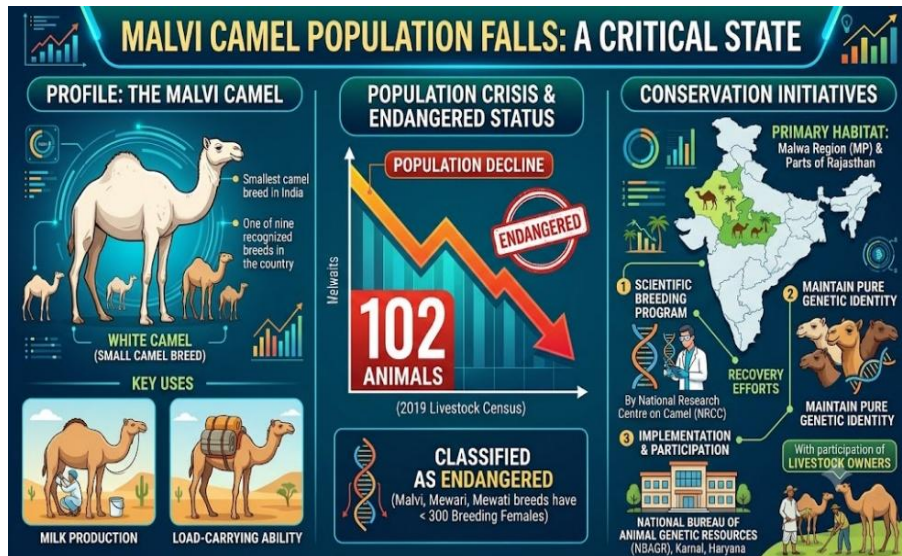


- ❖ Indian astronomers along with international collaborators discovered an actively forming luminous Blue Straggler Star (BSS), providing direct evidence of its formation process.

- ❖ Blue Straggler Stars (BSS) are a rare class of stars found in star clusters that appear younger, hotter, brighter, and more massive than other stars in the same cluster.
- ❖ These stars are called “stragglers” because they appear to remain young even after other stars of the same cluster have evolved.
- ❖ The most accepted theory suggests that BSS are formed by mass transfer from a companion star or through merging of two stars.
- ❖ Direct observation of a BSS during its formation stage is extremely rare and helps scientists understand stellar evolution.

ENVIRONMENT NEWS

Malvi Camel Population



- ❖ The Malvi camel (White Camel) has been classified as endangered after its population declined to 102 animals, according to the 2019 Livestock Census.
- ❖ The Malvi camel is the smallest camel breed in India and is one of the nine recognised camel breeds in the country.
- ❖ It is mainly found in the Malwa region of Madhya Pradesh and parts of Rajasthan, and is valued for its milk production and load-carrying ability.
- ❖ The National Research Centre on Camel (NRCC) has started a scientific breeding programme to conserve the breed by maintaining its pure genetic identity.
- ❖ The conservation programme is being implemented under the National Bureau of Animal Genetic Resources (NBAGR), Karnal, Haryana, with the participation of livestock owners.

- ❖ Malvi, Mewari, and Mewati camel breeds are considered endangered because they have fewer than 300 breeding females.

Kunming-Montreal Framework Update

- ❖ The draft global assessment of the Kunming-Montreal Global Biodiversity Framework (KMGBF) shows that the world is not on track to achieve its biodiversity targets by 2030.
- ❖ The KMGBF, adopted in 2022, has 23 targets for biodiversity conservation, but progress on most targets remains slow.
- ❖ Only Target 8 on reducing climate change impacts on biodiversity is progressing, but not at the required speed.
- ❖ The assessment is based on 129 national reports, 89 National Biodiversity Strategies and Action Plans (NBSAPs), and other global submissions.
- ❖ The findings will be discussed at SBSTTA-28 and SBI-7 meetings in Nairobi, Kenya, and will support the COP17 Global Review.



SPORTS NEWS

CWG Record - Mirabai Chanu

- ❖ Indian weightlifter Mirabai Chanu won the gold medal in the women's 48 kg event at the Commonwealth Games (CWG) 2026 in Glasgow, Scotland.
- ❖ She lifted a total of 190 kg to win her third consecutive Commonwealth Games gold medal.
- ❖ This is her fourth consecutive Commonwealth Games medal after silver (2014) and gold medals (2018, 2022 and 2026).

- ❖ Mirabai Chanu became the first Indian weightlifter to win three consecutive Commonwealth Games gold medals.
- ❖ She is also an Olympic silver medallist (Tokyo 2020) and a World Weightlifting Champion (2017).



IMPORTANT DAYS

International Day of Women and Girls of African Descent 2026 – July 25



- ❖ The day aims to celebrate their achievements and promote equality, dignity, and human rights.

- ❖ The day was proclaimed by the United Nations (UN) in 2024 and was first observed in 2025.
- ❖ It coincides with the International Day of Black Latin American and Caribbean Women, observed since 1992.
- ❖ The observance highlights the need to eliminate racism, sexism, and other forms of discrimination, while promoting equal participation and leadership.
- ❖ The theme for the year 2026 is “Rising Together- Women and Girls of African Descent Leading with Strength.”

International Tiger Day 2026 - July 29

- ❖ The day aims to raise awareness about tiger conservation and the protection of their habitats.
- ❖ The day was established in 2010 at the St. Petersburg Tiger Summit (Russia), where 13 tiger-range countries, including India, launched the Tx2 Goal to double the global wild tiger population.
- ❖ Tigers are apex predators and a keystone species that help maintain healthy forest ecosystems; they are listed as Endangered by the International Union for Conservation of Nature (IUCN).
- ❖ India is home to about 75% of the world's wild tigers and launched Project Tiger in 1973 to protect tigers and curb poaching.
- ❖ The theme for the year 2026 is "Securing the Future of Tigers with Indigenous Peoples and Local Communities at the Heart."



MISCELLANEOUS NEWS

New UNESCO World Heritage Sites

- ❖ The UNESCO added several new cultural, natural and mixed sites to the World Heritage List during its 48th World Heritage Committee session in Busan, South Korea.

- ❖ The new sites include Normandy D-Day Landing Beaches (France), Mount Olympus (Greece), Asuka-Fujiwara Archaeological Sites (Japan) and Boma-Badingilo Migratory Landscape (South Sudan).
- ❖ Mount Olympus is the highest mountain in Greece (2,918 metres) and is recognised as a Mixed Heritage Site for its cultural and natural importance.
- ❖ Boma-Badingilo Migratory Landscape became South Sudan's first World Heritage Site and protects one of the world's largest land mammal migrations.
- ❖ The World Heritage Convention (1972) protects cultural and natural sites with Outstanding Universal Value (OUV) for humanity.

