



August - 05

TNPSC BITS

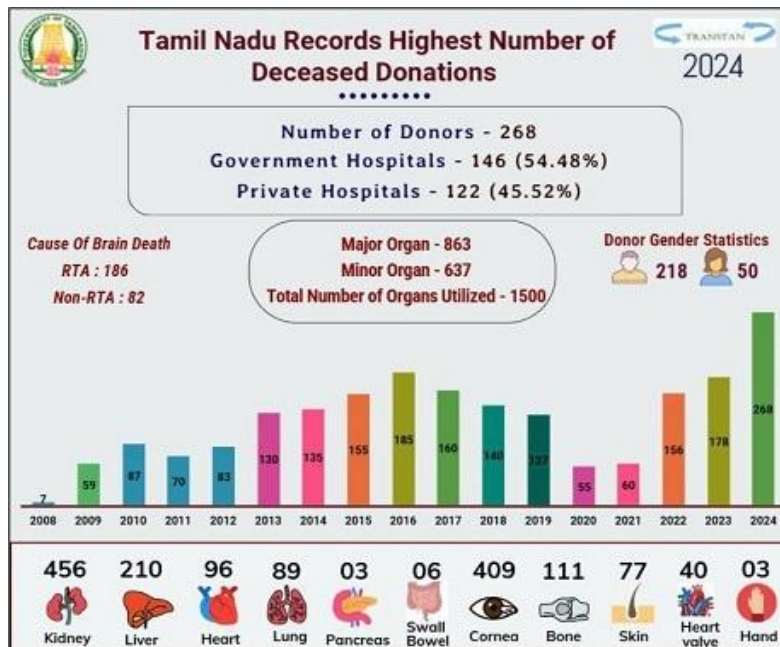
- ❖ Deendayal Port Authority commissioned India's first 1 megawatt Make in India green hydrogen plant at Kandla in Gujarat.
- ❖ The Maharashtra state government has inaugurated the nation's first AI-powered Anganwadi centre in Waddhamna village, Nagpur district.
- ❖ Google will invest \$6 billion to build a 1-gigawatt data centre and the power infrastructure in Andhra Pradesh.
- ❖ Recently, Russia's Klyuchevskoy volcano has erupted on Kamchatka Peninsula, shortly after a powerful Pacific earthquake.
- ❖ Slovenia has become the first country in the European Union to ban all weapons trade with Israel over its war in Gaza.
- ❖ World FinTech Day is observed annually on August 1st to recognise the very high transformative role of Financial Technology (FinTech) in modernising financial services and enhancing global access to financial products.

TAMIL NADU NEWS

Brain-dead organ donors

- ❖ Tamilnadu state honours for brain-dead organ donors impacted the transplant programme substantially.
- ❖ The Union Ministry of Health and Family Welfare has said this.
- ❖ It was lauding the proactive initiatives of the State government in achieving significant progress in the organ transplant programme.
- ❖ The Directorate-General of Health Services said 461 State honours were accorded since the announcement was made in September 2023.
- ❖ This first-of-its-kind Government Order has impacted the program substantially.
- ❖ The highest ever number of donations in Tamil Nadu occurred in 2024.
- ❖ As many as 1,500 organs and tissues were retrieved from 268 deceased donors, which was the highest from one State in one year.
- ❖ The DGHS has also referred to 'honour walk' for the deceased donor within the hospital campus, development of protocols for all the components of the programme, a personal note of appreciation from Transplant Authority of Tamil Nadu (TRANSTAN) to the centres/coordinators after every donation and periodic review at multiple levels.

- ❖ 863 major organs, 637 minor organs and tissues were retrieved the 268 donors and successfully utilised.
- ❖ For the first time, contributions from government institutions exceeded those of private hospitals (54.48% from government hospitals and 45.52% from private hospitals).
- ❖ Deceased donations happened in 26 government institutions.
- ❖ There were donations even from remote colleges like Nilgiris Medical College.
- ❖ The contributions from the Non-Transplant Organ Retrieval Centre were also impressive.
- ❖ There were 43 donations from the NTORCs, accounting for 16% of the total donations.



NATIONAL NEWS

Vice-President Election Date 2025

- ❖ Elections for the post of Vice President would be held on September 9.
- ❖ And the counting of votes would also take place on the same day.
- ❖ The Election Commission of India (EC) announced this.
- ❖ The notification for the VP polls will be issued on August 7, and the last date for filing nomination papers will be August 21.
- ❖ The date for the scrutiny of nominations would be August 22 and the last date for withdrawal of candidatures is August 25.



- ❖ The polling shall take place in Room No. F-101, Vasudha, First Floor, Parliament House, New Delhi.
- ❖ The VP is elected by the members of the electoral college, consisting of the members of both Houses of Parliament.
- ❖ The electoral college consists of 233 elected members of the Rajya Sabha (presently five seats are vacant), 12 nominated members of the Rajya Sabha, and 543 elected members of the Lok Sabha (1 seat is vacant).
- ❖ The electoral college comprises a total of 788 members out of which 782 members would be able to vote.
- ❖ Since all the electors are members of both Houses of Parliament, the value of the vote of each Member of Parliament would be the same, i.e. one.
- ❖ The polls would be in accordance with the system of proportional representation by means of the single transferable vote.
- ❖ In this system, the elector has to mark preferences against the names of the candidates.
- ❖ Preference can be marked in the international form of Indian numerals, in Roman form, or in the form of any recognised Indian language.
- ❖ Preference has to be marked in figures only and shall not be indicated in words.
- ❖ The elector can mark as many preferences as the number of candidates.
- ❖ For marking the vote, the Commission will supply particular pens.
- ❖ Voting by using any other pen shall lead to invalidation of the vote at the time of counting.
- ❖ A nomination paper of a candidate has to be subscribed by at least 20 electors as proposers and by at least another 20 electors as seconders.
- ❖ Political parties cannot issue any whip to their MPs in the matter of voting in the Vice-Presidential election.

Who can contest **vice-presidential election**

- Must be a citizen of India and at least **35 years of age**
- He/she must not hold any **office of profit**
- Must meet all criteria for election as a **member of Rajya Sabha**
- Nomination must be **signed by 20 electors** and seconded by another 20

Who elects the **vice-president**

- Lok Sabha and Rajya Sabha MPs, including nominated members
- Value of votes of all electors is equal, i.e. 1
- Electors rank candidates in order of preference
- 1st preference choice cannot be left blank
- Votes to win = (Number of valid votes/2) + 1*

India's Wetland Resolution



- ❖ India presented a resolution on promoting sustainable lifestyles for the wise use of wetlands at Ramsar CoP15 in Victoria Falls, Zimbabwe.
- ❖ The resolution was adopted with strong support from 172 countries and global partners.
- ❖ The resolution highlights how daily choices by people and communities help to protect wetlands.
- ❖ India promotes this through Mission LiFE, introduced by the Prime Minister at UNFCCC CoP26, Glasgow of Scotland.
- ❖ Mission LiFE inspires people to take action for the environment in their daily lives.
- ❖ India's wetland campaigns have involved over 2 million volunteers in the past three years.
- ❖ These efforts helped to map over 170000 wetlands and mark to clear borders for 120000 wetlands.

New UPI Rules 2025

- ❖ The National Payments Corporation of India (NPCI) has enforced new Unified Payments Interface (UPI) rules from 1 August 2025.

- ❖ Balance enquiry is now limited to 50 times per day to reduce the server load and prevent misuse.
- ❖ Linked bank account details can be viewed only 25 times daily to enhance data safety.
- ❖ Auto-payments such as subscriptions and bills will be processed only before 10 AM, between 1 to 5 PM or after 9:30 PM.
- ❖ Users can check pending transaction status only three times with a 90-second gap between attempts.
- ❖ The recipient's name and transaction ID will be displayed before the payment confirmation to prevent fraud and accidental transfers.

These New Rules Will Hit You From August 1

- **Check your balance:** max 50 times/day per app
- **See linked accounts:** up to 25 times/day
- **Check transaction status:** only 3 times a day, with 90 seconds between tries
- **Autopay:** Only works before 10 AM and between 1-5 PM
- **Refunds:** Maximum 10 chargebacks/month, 5 reversals/month
- **You'll now see the receiver's bank name** before you pay



The image shows a screenshot of the UPI (Unified Payments Interface) app interface. At the top, it says 'UPI UNIFIED PAYMENTS INTERFACE' with logos for Google Pay, PhonePe, and Paytm. Below this, it shows 'Bank balance fetched successfully' for 'State Bank of India - 4108' with a balance of ₹6,43,34,980. A green checkmark indicates 'Congratulations! Your Bank account has been successfully linked to Paytm'. At the bottom, there is an 'AutoPay Request' for ₹15,000 from 'burger@icici' with 'DECLINE' and 'ACCEPT' buttons.

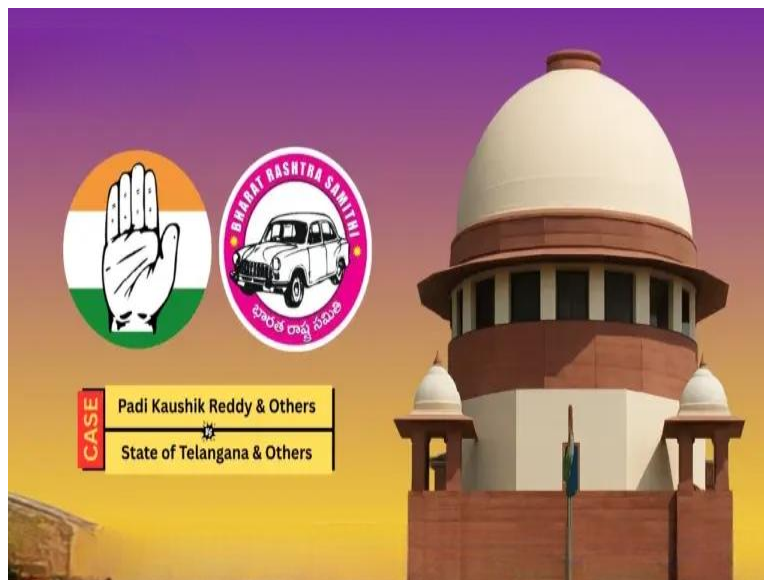
Grant in Aid to the NCDC Scheme

- ❖ The Union Cabinet approved a ₹2,000 crore grant under a Central Sector Scheme titled Grant in Aid to National Cooperative Development Corporation (NCDC).
- ❖ The scheme will be implemented over four years from 2025 to 2029 with ₹500 crore allocated annually.
- ❖ The NCDC will use the grant to raise ₹20,000 crore from the open market to fund loans for cooperatives.
- ❖ The scheme will boost the rural income to generate employment and strengthen infrastructure in the cooperative sector.

- ❖ It aims to empower marginalised communities and women by enhancing credit access and modernising cooperative operations.
- ❖ India has over 8.25 lakh registered cooperatives with more than 29 crore members.



Padi Kaushik Reddy Vs State of Telangana 2025



- ❖ The Supreme Court ruled the Speaker of the Telangana Assembly does not have constitutional immunity under Articles 122 or 212 when deciding disqualification petitions under the Tenth Schedule.
- ❖ Articles 122 and 212 prevent the courts from interfering in Parliament and state legislatures, but do not shield the Speaker in disqualification cases.

- ❖ The case concerned 10 MLAs who defected from Bharat Rashtra Samithi (BRS) to the Congress Party after Telangana's 2023 elections.
- ❖ The Disqualification petitions were filed between March and April 2024 under the Tenth Schedule for voluntarily giving up party membership.
- ❖ The Tenth Schedule empowers the Speaker to decide disqualification petitions following the Assembly rules.
- ❖ The Speaker delayed issuing notices and deciding the petitions for over seven months, prompting the Supreme Court's intervention.
- ❖ The Court directed the Speaker to conclude proceedings within three months and warned of adverse inferences if MLAs delay the process.

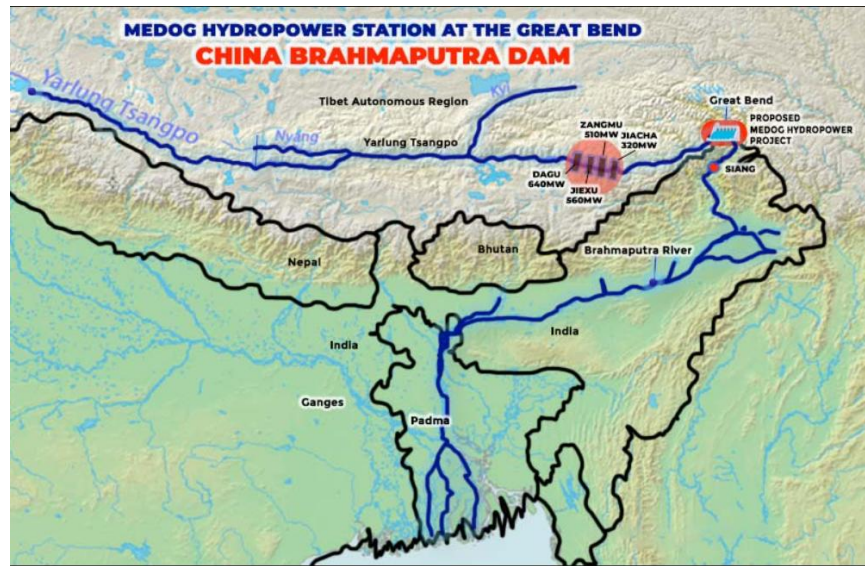
INTERNATIONAL NEWS

US tariff on Indian exports



- ❖ The United States announced a 25 per cent tariff on nearly all Indian exports starting August 1, 2025.
- ❖ The tariff affects the key sectors, including electronics, pharmaceuticals, textiles, gems and automobile parts.
- ❖ India is Russia's largest buyer of the energy, alongside China, during the Ukraine conflict.
- ❖ The tariff may reduce India's GDP growth by up to 0.5 per cent and shift supply chains to other countries.

Medog Dam



- ❖ China approved a 60-gigawatt hydropower project at the Great Bend in Medog County in the Tibet Autonomous Region.
- ❖ The river originates in Tibet as Yarlung Zangbo and flows through India, Bhutan and Bangladesh before draining into the Bay of Bengal.
- ❖ All four riparian countries have planned water infrastructure projects, including dams, embankments, irrigation systems and barrages.
- ❖ China and India lack a bilateral river-sharing treaty despite having the Expert Level Mechanism (ELM) since 2006 for hydrological data sharing.
- ❖ The Brahmaputra basin lies in an active seismic zone with the 1950 Assam-Tibet earthquake centred at Medog, causing widespread floods and devastation downstream.

UN Summit Reviews Global Food System Goals



- ❖ The second United Nations Food Systems Summit Stocktake (UNFSS plus four) was held in Addis Ababa, Ethiopia, co-hosted by Ethiopia and Italy.
- ❖ It had followed the first summit in 2021 and the initial stocktake in 2023, aiming to assess global progress toward food systems transformation.
- ❖ The event focused on collaboration, finance and investment to speed up action toward the 2030 Sustainable Development Goals.

UN 1267 Committee

- ❖ The Resistance Front (TRF) was mentioned in a recent Monitoring Team's report under the UN Security Council 1267 Sanctions Committee.
- ❖ This Committee oversees the sanctions against individuals and groups linked to terrorism.
- ❖ It was established in 1999 to target Al-Qaeda and later expanded to include other terror groups.
- ❖ The committee maintains a sanctions list involving asset freezes, travel bans and arms embargoes.
- ❖ The committee plays a very key role in coordinating international efforts against groups like Lashkar-e-Taiba and The Resistance Front.



15 Years of UN Women

- ❖ UN Women was established in 2010 and celebrates its 15th anniversary in 2025, highlighting progress and ongoing challenges in gender equality worldwide.
- ❖ March 2025 survey reveals a 60 per cent rise in concerns over slow progress in gender equality.
- ❖ Data from over 150 government reports show nearly one in four countries face backlash against women's rights.

- ❖ More than 600 million women and girls now live near conflict zones, risking their safety and rights.
- ❖ The One Win Leads to Another (OWLA) program empowered over 3,200 girls and young women in Brazil and Argentina through sport leadership initiatives.



SCIENCE AND TECHNOLOGY NEWS

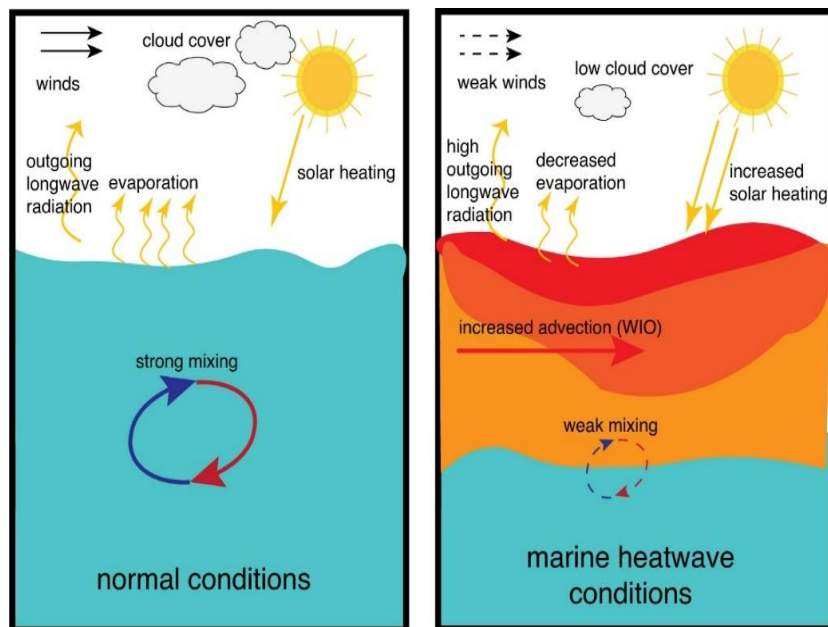
HOPE Analogue Mission



- ❖ ISRO launched the Himalayan Outpost for Planetary Exploration (HOPE) mission in Tso Kar Valley, Ladakh.
- ❖ ISRO is collaborating with the Indian Institute of Space Science and Technology (IIST), Rajiv Gandhi Centre for Biotechnology (RGCB), IIT Hyderabad, IIT Bombay, and the Institute of Aerospace Medicine Bengaluru.
- ❖ The mission was conducted at 4530 metres where the mission simulates Mars-like conditions, including high ultraviolet radiation, low air pressure and extreme cold.
- ❖ It tests human physiological and psychological responses for future Moon and Mars missions.
- ❖ The Experiments include the oxygen starvation, radiation exposure and isolation endurance.
- ❖ Previous related missions are the Ladakh Human Analogue Mission - November 2024 and the isolation study Anugami - July 2025.

ENVIRONMENT NEWS

Marine Heat Waves



- ❖ In 2023, marine heat waves (MHWs) had covered 96 per cent of the global ocean surface.
- ❖ These events lasted four times longer than the historical average.
- ❖ The MHWs are extended periods of unusually high sea surface temperatures in specific ocean regions.



- ❖ The total heat activity in 2023 reached 53.6 billion degrees Celsius days per square kilometre.
- ❖ This was more than three standard deviations above the historical average since 1982.
- ❖ The North Atlantic saw the longest recorded MHW lasting 525 days starting mid-2022.
- ❖ The Tropical Eastern Pacific reached temperature peaks of 1.63 degrees Celsius during the El Niño onset.
- ❖ The Impacted regions included the North Atlantic, North Pacific, Tropical Eastern Pacific and Southwest Pacific, making up 90 per cent of ocean heating anomalies.
- ❖ These events led to coral bleaching, mass sea life migration, damaged food webs and a decline in key fisheries like Pacific cod.

REPORTS AND INDICES

Supply and Use Tables 2020-22

Table 1: Trade during March 2023*			
		March 2023 (USD Billion)	March 2022 (USD Billion)
Merchandise	Exports	38.38	44.57
	Imports	58.11	63.09
Services*	Exports	27.75	26.95
	Imports	14.07	15.35
Overall Trade (Merchandise + Services) *	Exports	66.14	71.52
	Imports	72.18	78.44
	Trade Balance	-6.04	-6.92

- ❖ The Ministry of Statistics and Programme Implementation (MoSPI) has released Supply and Use Tables (SUT) for 2020-21 and 2021-22.
- ❖ SUT integrates production income and expenditure approaches to GDP in a unified framework, improving consistency of estimates.
- ❖ The tables cover 140 products and 66 industries based on data from the National Accounts Statistics 2024 and surveys like the Annual Survey of Industries.

- ❖ Total supply of goods and services at purchasers' prices was 407.52 lakh crore rupees in 2020-21 and 523.08 lakh crore rupees in 2021-22.
- ❖ Services had contributed about 55 per cent of supply while manufacturing goods accounted for 30 to 33 per cent in both years.
- ❖ The Highest value addition industries include Ownership of Dwellings, Fishing, Aquaculture, Forestry, Agriculture and Education.
- ❖ Construction accounted for the largest share of intermediate consumption at over 13 per cent in both years.
- ❖ Goods made up around 70 per cent of intermediate consumption and 59 to 62 per cent of private final consumption expenditure.

Global Gas Flaring Emissions in 2024

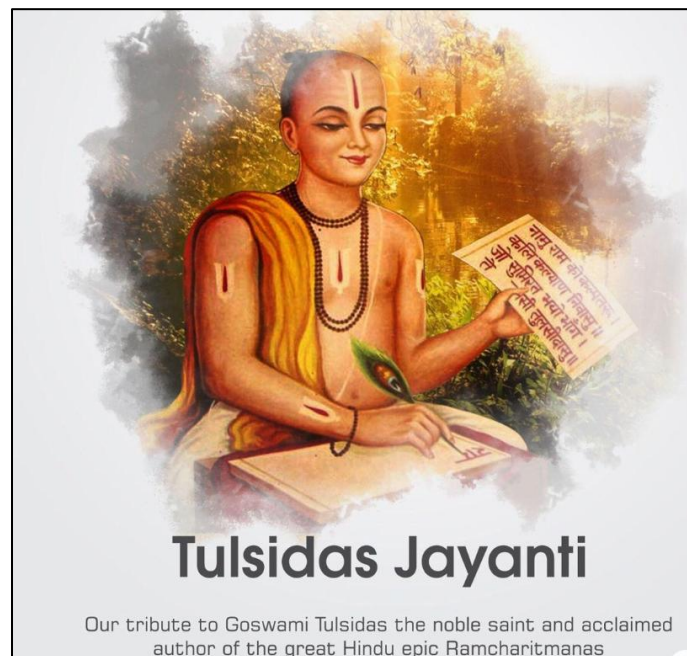
- ❖ Gas flaring in 2024 had released 389 million tonnes of carbon dioxide equivalent (CO₂e) worldwide.
- ❖ Unburnt methane contributed 46 million tonnes to the total emissions.
- ❖ Global flare volumes reached 151 billion cubic metres (bcm), the highest since 2007.
- ❖ Nigeria's gas flaring increased by 12 per cent despite only a 3 per cent rise in oil production.
- ❖ Flaring intensity in Nigeria rose by 8 per cent, marking a second year of increase.
- ❖ The top nine flaring nations accounted for 76 per cent of global flaring in 2024.
- ❖ Global gas flared globally was nearly equal to Africa's annual gas consumption of 162 bcm.
- ❖ The Zero Routine Flaring (ZRF) by 2030 initiative now needs a 40 per cent yearly cut to meet its target.



PERSONALITIES, AWARDS, AND EVENTS

Goswami Tulsidas 2025

- ❖ July 31, 2025, marks the 528th birth anniversary of the saint-poet Goswami Tulsidas.
- ❖ He was born in the Banda district of Uttar Pradesh and was named Rambola Dubey.
- ❖ He lived during the time of Mughal emperor Akbar.
- ❖ Tulsidas wrote Ramcharitmanas in Awadhi, making the story of Lord Ram very accessible to the masses.
- ❖ His main key works include Dohavali, Sahitya Ratna or Ratna Ramayan, Gitavali, Krishna Gitavali or Krishnavali, and Vinaya Patrika.



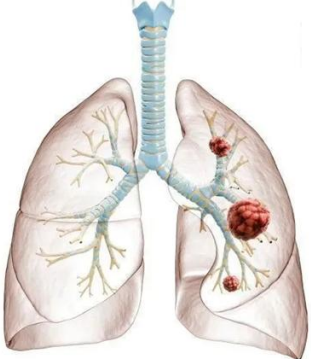
IMPORTANT DAYS

World Lung Cancer Day 2025 - Aug 01

- ❖ It aims to raise awareness about lung cancer, its impact, and the importance of prevention, early detection, and treatment options.
- ❖ Smoking is the leading cause of lung cancer, responsible for approximately 85% of all cases.
- ❖ This year's theme is "Breaking Barriers: Championing Early Detection and Equal Care".

1st August
World Lung Cancer Day

World lung cancer day is an annual event celebrated on 1st August to promote and educate people worldwide about the concerning issues of lung cancer and raise the urge to focus more on lung cancer research and arrange financial and moral support for it.



World Breastfeeding Week 2025 – August 01/07

World Breastfeeding Week 01-07 August


World Breastfeeding Week is a global healthcare event celebrated annually in the first week of August (01st to 07th), promoting the importance of breastfeeding benefits to newborns and mothers. It also promotes, defends, and supports women's rights to breastfeed their babies anytime and anywhere.





- ❖ Every year, it is observed to promote and support breastfeeding across the globe.
- ❖ The week is a joint initiative by the World Health Organisation (WHO) and the United Nations Children's Fund (UNICEF).
- ❖ The theme for 2025 is "Invest in breastfeeding, invest in the future."

Muslim Women Rights Day 2025 - Aug 01

Abolition of Triple Talaq
Providing Security to Muslim Women

 **Muslim Women (Protection of Rights on Marriage) Act, 2019** provides up to **3 years imprisonment & fine** for practicing **instant Triple Talaq**

 **82% decline** registered in **Triple Talaq cases** within **1 year** of enactment of **law**



- ❖ The day celebrates the enactment of the triple talaq law (The Muslim Women (Protection of Rights on Marriage) Act).
- ❖ It was implemented on August 1, 2019.
- ❖ The practice of triple talaq was made a criminal offence through this law.
- ❖ Triple talaq allowed Indian Muslim husbands to divorce their wives instantly, by pronouncing the word “talaq” three times continuously.
- ❖ This practice does not take the consent of wives into consideration.

CLOVES Syndrome Awareness Day 2025 - Aug 03

- ❖ It aims to raise the awareness about Cloves syndrome, a rare and complex genetic disorder.
- ❖ CLOVES Syndrome is a rare genetic disorder.
- ❖ Researchers believe it is caused by mutations in a gene called PIK3CA.
- ❖ The condition leads to tissue overgrowth, affecting both physical and emotional well-being.
- ❖ There is no cure as yet for this syndrome.



World Wide Web Day 2025 – August 01

- ❖ It is a day dedicated to commemorating the birth of the World Wide Web (www) and recognising its impact on the world.
- ❖ On this day in 1991 that Tim Berners-Lee posted a proposal for the World Wide Web on the alt. hypertext newsgroup.
- ❖ The World Wide Web, commonly known as the Web, was created by Sir Tim Berners-Lee in 1989.
- ❖ He had submitted a proposal for a "distributed information system" to facilitate sharing and updating information among researchers at CERN.

- ❖ The first web server, "http," and the first web browser, "WorldWideWeb" (later renamed Nexus), were created by Berners-Lee and his colleague Robert Cailliau in 1990.
- ❖ The theme for 2025 is 'Empowering the Future: Building an Inclusive, Safe, and Open Web'.

