

September - 07

TNPSC BITS

- ❖ For the first time in India, Kerala's outgoing Chief Secretary, Dr V Venu, handed over the post to his wife, Sarada Muraleedharan.
- ❖ Kerala Tourism was honored with the prestigious Pacific Asia Travel Association (PATA) Gold Award for its groundbreaking digital marketing campaign titled 'Holiday Heist'.
- ❖ Australia has become the latest country to allow employees the "right to disconnect" from work.
- ❖ Reliance Industries Limited (RIL) has become the first Indian company to surpass ₹10 lakh crore in annual revenue, reaching ₹10,00,122 crore (USD 119.9 billion) for FY 2023-24.
- ❖ The Japanese filmmaker Hayao Miyazaki has won the 2024 Ramon Magsaysay Award, commonly called Asia's Nobel Prize.
- ❖ Union Agriculture and Farmers' Welfare Ministry has launched an integrated Agri investment Portal named Krishi Nivesh and AgriSURE Fund at Pusa.
- ❖ The iconic Lord's stadium in London will be hosting the ICC World Test Championship 2025.
- ❖ SpaceX is going to launch 4 people on historic Fram2 mission over Earth's poles in late 2024.
- ❖ President Droupadi Murmu unveiled the new flag and insignia of the Supreme Court to commemorate the 75th year of its establishment.
 - Prime Minister released a commemorative postage stamp celebrating 75 years of the Supreme Court of India.
- ❖ IIT Madras backed start-up has designed India's first abrasive waterjet machine which can be used for cutting combustible materials without generating heat.
 - This can be used in the semiconductor, aviation, defence and diamond industries.

TAMIL NADU

Naan Mudhalvan - Uyarvukku Padi program

- ❖ The Tamilnadu State government is conducting special camps across the State for the class XII students to ensure that they clear the board exam and pursue higher education.

- ❖ The special camps will be organised by the School State Project Directorate in each district under the Naan Mudhalvan's scheme (Uyarvukku Padi).
- ❖ The special camp will be organised for the students, who failed to register for pursuing higher education in Engineering, Polytechnic, Arts, Science and Vocational colleges in the State.
- ❖ Spot admissions will also be made for the students based on the vacancies in the colleges.
- ❖ Of 3,97,809 Class XII students during 2022-23, 2,39,270 students have enrolled in higher education and 45,440 students have applied for higher education.
- ❖ 1,13,099 students have either not applied or not provided sufficient details of enrolment.
- ❖ In 2023-2024, of the 3,31,540 Class XII students, 1,97,510 students have applied for higher education.
- ❖ 1,34,030 students have either not applied or not provided sufficient details of application.



மாணவர்களின் நலன் காக்கும் அரசு!

கடந்த 2 ஆண்டுகளில் பல்வேறு சூழ்நிலைகளால் உயர்கல்வியில் சேராத

2.47 லட்சம் மாணவர்கள்

உயர்கல்வியில் சேர்வதை உறுதி செய்திட, அனைத்து மாவட்டங்களிலும்

94 வட்டாரங்களில் நான் முதல்வன் உயர்வுக்குப்படி

என்ற திட்டத்தை செயல்படுத்தவுள்ளது திராவிட மாடல் அரசு!

திரு.மு.க. ஸ்டாலின் அவர்கள்
மாண்புமிகு தமிழ்நாடு முதலமைச்சர்

நான் முதல்வன்
Aanai Mudhalvan Scheme

Multi modal facility complex

- ❖ Tamil Nadu government issued a revised administrative sanction to implement the Integrated Development of Multi-Modal Facility Complex (MMFC) with Kuralagam at Broadway, Chennai.
- ❖ An estimated 1,100 buses could use the 10-storeyed complex.

- ❖ It would also have para-transit facilities, parking for over 400 cars and 800 two-wheelers.

Bus depots, terminus to be modernised

- **MTC and TNIDB collaboration:** Saidapet, Adyar, Tiruvanmiyur, T Nagar, Tambaram, Poonamallee, Central, Villivakkam, Vallalar Nagar, Vyasarpadi, Toll Gate and Tiruvottiyur
- **CMRL:** Anna Nagar West depot, Broadway terminus, and the depot-cum-terminus each in Vadapalani, Mandaveli and KK Nagar
- **CMDA:** Tondiarpet, Kannadasan Nagar, Mullainagar, Thiru Vi Ka Nagar, Periyar Nagar and Ambattur

NATIONAL

Project NAMAN

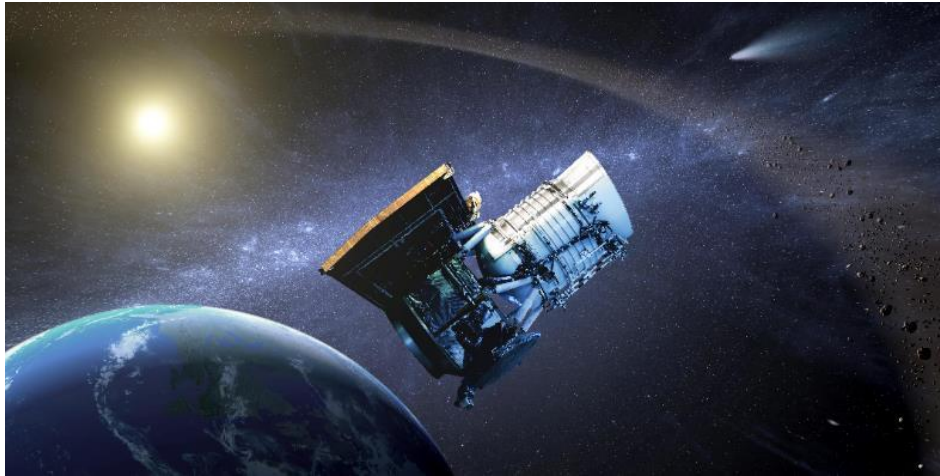


- ❖ The Indian Army launched the first phase of Project NAMAN.
- ❖ It is designed to provide dedicated support and services to Defence pensioners, veterans, and their families.
- ❖ In the first phase of Project NAMAN, 14 Common Services Centres have been established at key locations across India.
- ❖ It is including New Delhi, Jalandhar, Leh, Dehradun, Ahmedabad, Bangalore and etc.

- ❖ The project is set to expand significantly and aims to establish approximately 200 centres nationwide over the next 2 to 3 years.

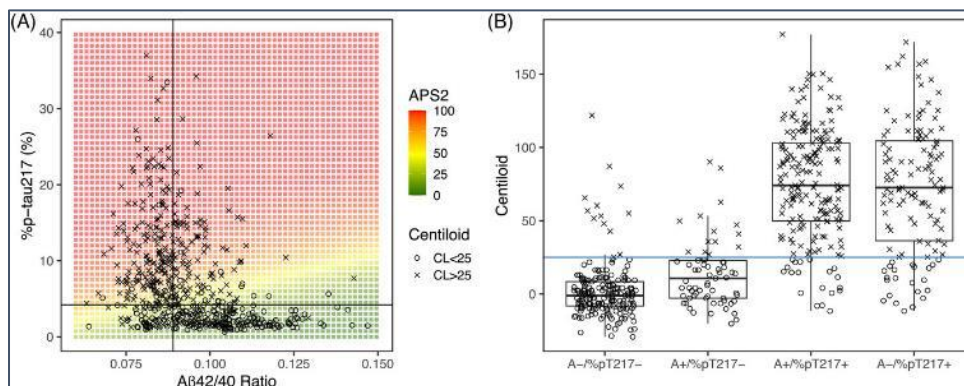
SCIENCE AND TECHNOLOGY

NEOWISE Telescope



- ❖ Nasa's Near-Earth Object Wide-field Infrared Survey Explorer (NEOWISE) has concluded its mission.
- ❖ It was launched in 2009, to explore the universe's farthest reaches, observing distant galaxies, supermassive black holes, and more.
- ❖ Over the decades, it catalogued more than 44,000 solar system objects, including the first known Earth Trojan asteroid.
- ❖ Previously orbiting at 310 miles above Earth, it now resides at just 217 miles.

New Alzheimer's blood test



- ❖ Researchers have developed a new blood test to detect Alzheimer's disease.

- ❖ It helps diagnose the disease even at the early stage of mild cognitive impairment.
- ❖ The new blood test was named as PrecivityAD2.
- ❖ It is about 90% accurate in identifying AD in people experiencing cognitive symptoms.
- ❖ One in five women and one in 10 men develop dementia due to Alzheimer's disease.

1,700 ancient and unknown virus species



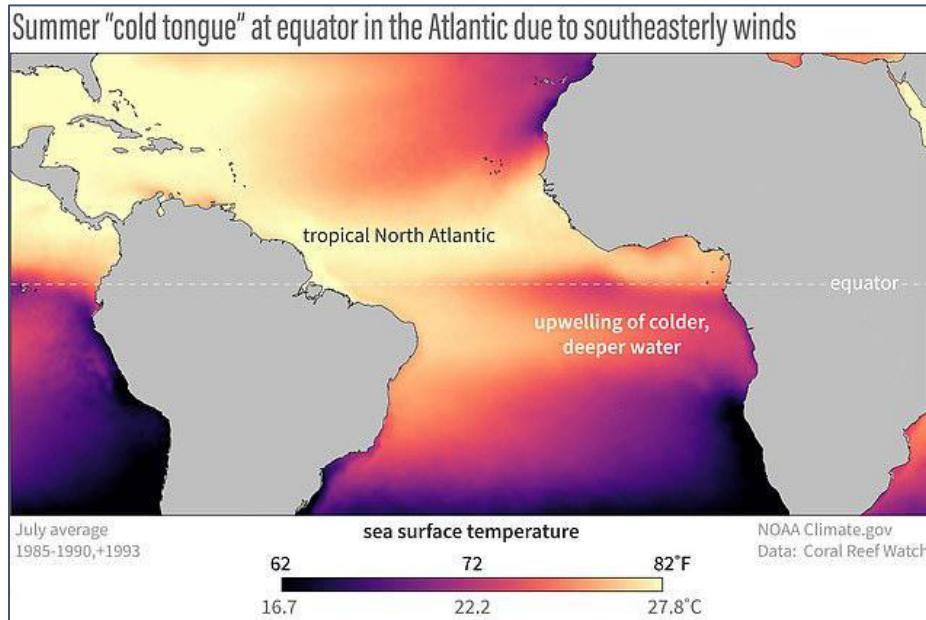
- ❖ Researchers have discovered over 1,700 virus remnants buried deep within a glacier in western China.
- ❖ Many of these viruses being previously unknown to science.
- ❖ The oldest of this date back more than 40,000 years.
- ❖ They were extracted from a 1,000-foot ice core from the expansive Guliya Glacier on the Tibetan Plateau.

ENVIRONMENT

Temperature Drop in Atlantic Ocean

- ❖ The stretch of the central Atlantic was falling in temperatures up to 86°F near the equator.

- ❖ Then, almost overnight, the mercury plunged to 72°F.
- ❖ This is the warmest since 1982.
- ❖ This cooling event sparked predictions of an “Atlantic Niña,” a climate pattern similar to the Pacific Ocean’s La Niña.
- ❖ An Atlantic Niña could bring more rainfall to western Africa while causing less rainfall in northeastern Brazil and the Gulf of Guinea.
- ❖ The last time this pattern was observed was in 2013.



Arnoux’s Beaked Whales



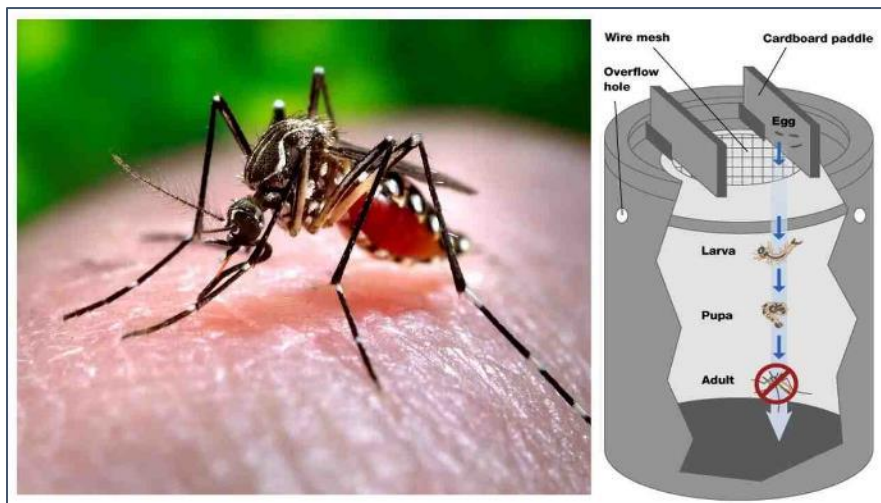
- ❖ The Researchers found several rare Arnoux’s beaked whales in the coast of Antarctica.

- ❖ These whales hadn't been seen for decades.
- ❖ They are known for their brilliant diving abilities and can measure up to around 30 feet long.
- ❖ In the 11 expeditions conducted in the area between 1988 and 2018, scientists had never spotted the whales.
- ❖ They were discovered in 1851 and are elusive marine animals mostly found in the Southern Hemisphere.

STATES

Ovitrap Baskets – Karnataka


- ❖ Karnataka started to installing Ovitrap baskets that attract mosquitoes.
- ❖ These baskets are installed 20 feet from houses, and a chemical sprayed inside attracts mosquitoes, luring them into the basket.
- ❖ Ovitrap baskets are specialised devices designed to attract and trap mosquitoes, particularly species that breed in containers, such as *Aedes aegypti* and *Aedes albopictus*.
- ❖ Several countries including India have implemented the use of this baskets for monitoring and controlling mosquito populations



Aparajita Bill - West Bengal

- ❖ The West Bengal Assembly passed the 'Aparajita Woman and Child Bill (West Bengal Criminal Laws and Amendment) 2024'.
- ❖ It includes provisions for the death penalty for those convicted of rape and murder.

- ❖ The bill seeks amendments to relevant provisions under the
 - Bharatiya Nyaya Sanhita 2023,
 - The Bharatiya Nagrik Suraksha Sanhita 2023, and
 - The Protection of Children from Sexual Offences Act 2012 (POCSO)
- ❖ Under the new Act, the punishment for sexual assault will be not less than 7 years, which may extend to 10 years, along with a fine.
- ❖ The new bill mandates that evidence from a child be recorded within 7 days.
- ❖ The special court is required to complete the trial within 30 days.
- ❖ Punishment For Aggravated Penetrative Sexual Assault is rigorous imprisonment for life, and also a fine, or with death.

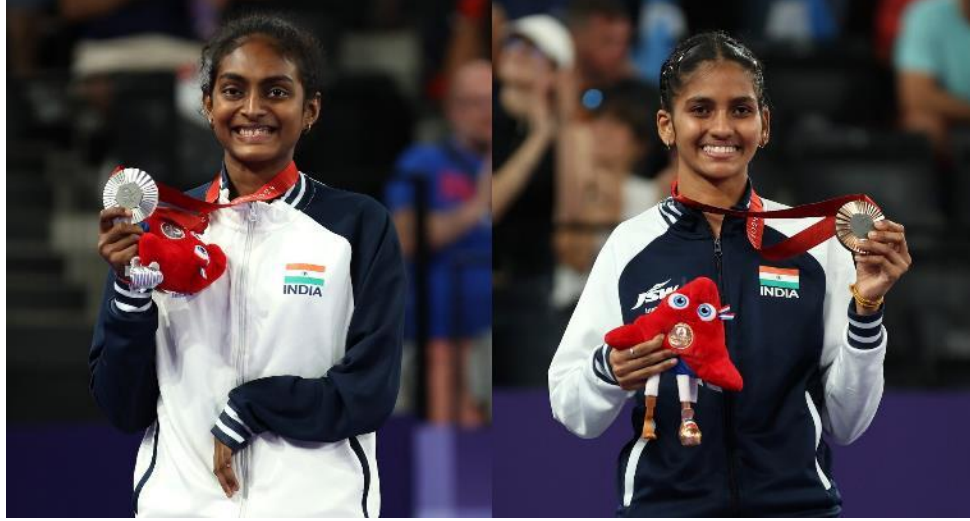
| WB legislation versus existing law | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Punishment for rape and murder WB Bill: Death sentence if the victim dies or is left in a vegetative state Existing law: Under BNS, if rape results in the victim's death or leaves her in a vegetative state, death penalty is only one of the punishments besides life term or minimum 20 years in jail | Probe deadlines WB Bill: Investigation must be concluded within 21 days of the initial report Existing law: Under BNSS, investigation must be concluded within two months of the filing of FIR. For trial, it specifies framing of charge within 60 days from the first hearing and judgment within 30 days (maximum of 60 days) after arguments conclude | Disclosing victim's identity WB Bill: Imprisonment of 3 to 5 years Under BNS: 2 years imprisonment and fine |
| Fast-track courts WB Bill: Establishment of special courts for cases of sexual violence Existing law: Under a centrally sponsored scheme, the department of justice provides funds to states for setting up fast track special courts for trial of cases relating to sexual offences | Junior doctors continue their protest in Kolkata. SAMIR JANA/HT |  |

SPORTS

Paris Paralympics 2024 (updates)

- ❖ The Indian para-shuttlers, Thulasimathi Murugesan and Manisha Ramadass, both from Tamilnadu, secured silver and bronze medals respectively in the women's singles SU5 category.
- ❖ Thulasi became the first Indian woman to win a medal in badminton.
- ❖ Indian para-shuttler Suhas Yathiraj of Uttar Pradesh won his second successive Paralympic silver.
- ❖ Sheetal Devi and Rakesh Kumar, both from Jammu and Kashmir, won bronze in the mixed compound archery event at the Paris Paralympics 2024.
- ❖ Nitesh Kumar of Haryana clinched the gold medal in the Men's Singles SL3 badminton event.

- ❖ India's Yogesh Kathuniya of Haryana won second successive silver medal in Men's Discus Throw F56 at the Paralympics.
- ❖ Nishad Kumar of Himachal Pradesh won the silver medal in men's high jump T47 final.



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