

September - 30

TNPSC BITS

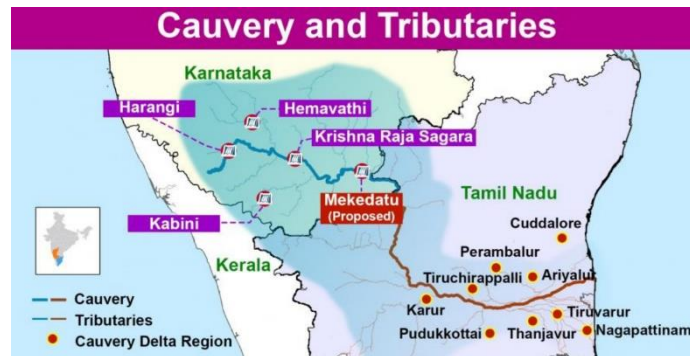
- ❖ The two ration shops made of cargo containers Sponsored by the WWF-India to be opened soon near Valparai to avoid elephant's attack.
- ❖ The Gingee Fort in Villupuram district has been nominated for UNESCO's World Heritage Site list as part of the Maratha Military Landscapes proposal, which includes 11 other forts.
- ❖ The fifth edition of Goa Maritime Symposium (GMS) 2024 was hosted by the Indian Navy in Goa.
- ❖ The Comptroller and Auditor General (CAG) of India assumed chairmanship of the Asian Organisation of Supreme Audit Institutions (ASOSAI) for 2024-2027.
- ❖ The UN Framework Convention on Climate Change has announced that Ibrahima Cheikh Diong of Senegal, has been appointed as the first director of the Fund for Responding to Loss and Damage.
- ❖ Indian Air Force and the Royal Air Force of Oman participated in the joint military exercise 'Exercise Eastern Bridge VII' held at Oman.
- ❖ DRDO and IIT Delhi has developed light weight bulletproof jackets named ABHED (Advanced Ballistics for High Energy Defeat).
- ❖ The Pradhan Mantri Janjatiya Unnat Gram Abhiyan has chosen Mana village in the Joshimath block of Chamoli district for implementation.
 - This initiative aims to provide quality education and facilities to tribal students.
- ❖ Every year on 22nd September World Car-Free Day celebrated to encouraging motorists to give up their cars for a day for reducing air pollution.
- ❖ The World Bollywood Day is observed annually on September 24th to celebrate the rich heritage and global influence of Indian cinema.
- ❖ On September 27, 2024, Google celebrates its 26th anniversary.

TAMIL NADU

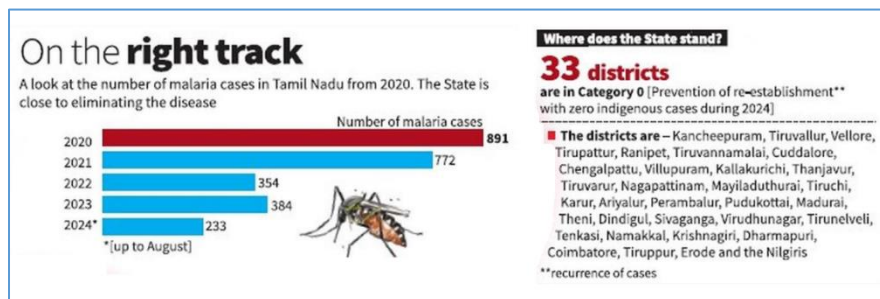
Realization of Cauvery water 2024

- ❖ Tamil Nadu's realisation of Cauvery water has exceeded the 200-tmcft-mark in the current water year, beginning on June 1.
- ❖ As on September 23, the cumulative realisation was around 201 thousand million cubic feet (tmc ft), compared to the prescribed quantum of about 115 tmc ft.

- ❖ The State has received an excess of approximately 86 tmc ft during the lapsed period of the water year.



Malaria elimination goal 2024




- ❖ Tamil Nadu is a step closer to eliminating malaria with 33 districts in the State recording zero indigenous cases in 2024.
- ❖ The State has been working towards eliminating malaria by 2030, adopting the national framework step by step from 2014.
- ❖ There were no deaths due to the disease from 2020 till August 2024.
- ❖ The number of cases reported a year has been steadily declining in the State — from 891 cases in 2020.
- ❖ The number has dropped to 233 in 2024 (till August).
- ❖ Chennai Corporation's contribution to the total number of malaria cases in the State has dipped from 80% in 2020 to 45% in 2023; and 40% so far in 2024.
- ❖ Almost 50,000 cases were reported every year during 1990 to 1998.

NATIONAL

Kavach 4.0 in India

- ❖ As per the Union railway ministry, 10,000 locomotives & 9,000 km of railway tracks would equip with the Kavach 4.0 in the first phase.


- ❖ The nationwide implementation is aimed by December 2030.
- ❖ When the train is running at 130 kmph, the KAVACH automatically reduced the speed to 120 kmph through the caution zone and restored it back to 130 kmph after exiting.
- ❖ The train will be stopped 50 m from a red signal without the driver's intervention.
- ❖ The driver didn't use the horn, but KAVACH automatically sounded it while passing the level crossing gate.
- ❖ The train will automatically be stopped at a red signal even when the driver has attempted to cross it.

<p>IMPROVEMENTS IN VERSION 4.0</p> <ul style="list-style-type: none"> • Additional functional requirements such as 'temporary speed restriction' • Direct interface to electronic interlocking with Kavach (Will remove relays and increase reliability) • Station-to-station Kavach Communication for improved reliability • Authority to loco pilots for passing signal at danger in Intermediate Block Signalling and advanced starter on run 	<p>NEW KAVACH VERSION HAS UNDERGONE EXTENSIVE TRIALS ACROSS VARIOUS TERRAINS AND WEATHER CONDITIONS</p>  <ul style="list-style-type: none"> • Improved location precision • Improved braking curves • Radio Frequency Identification tag data and radio protocol upgradation for compatibility with LTE (long-term evolution) 	<p>KAVACH DEVELOPMENT</p> <ul style="list-style-type: none"> • 2014-15: Started installation on 250 route kilometres on South Central Railway on pilot basis • 2015-16: First field trial on passenger trains • 2017-18: Kavach specification version 3.2 finalised • 2018-19: Research Designs and Standards Organisation approves 3 firms based on Independent Safety Assessment • 2020: Kavach was declared a national automatic train protection system • 2024: New Kavach 4.0 specification approved
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Child Sexual Exploitative and Abuse Material

Who's a child? | While most laws fix 18 as the age when one ceases to be a child, there are exceptions:

- The Majority Act, 1875 sets the age of majority at 18
- 61st Constitutional Amendment Act fixes the minimum voting age at 18
- POCSO Act, 2012 and Juvenile Justice Act, 2015 define a child as someone under the age of 18



- Right to Education Act, 2009 says a child is someone between the ages of six and 14

- Child Labour Amendment Act, 2016 says a child is someone under the age of 14 and an adolescent is aged between 14 and 18

- ❖ The Supreme Court recently held that viewing in private, downloading, storing, possessing, distributing or displaying the pornographic acts involving children attract criminal liability under the POCSO Act.

- ❖ This verdict has overturned a contentious Madras High Court decision from earlier this year.
- ❖ The Madras High Court had previously held that “mere possession” of such material did not violate the law unless the individual had actively “used a child or children for pornographic purposes.”
- ❖ But the SC concluded that not only physical possession but also “constructive possession” would also fall under Section 15 of the POCSO Act, even if the person did not actively produce or distribute the content.
- ❖ Constructive possession is the power to control the material, combined with knowledge of that control.

ECONOMY

Organized gold loans



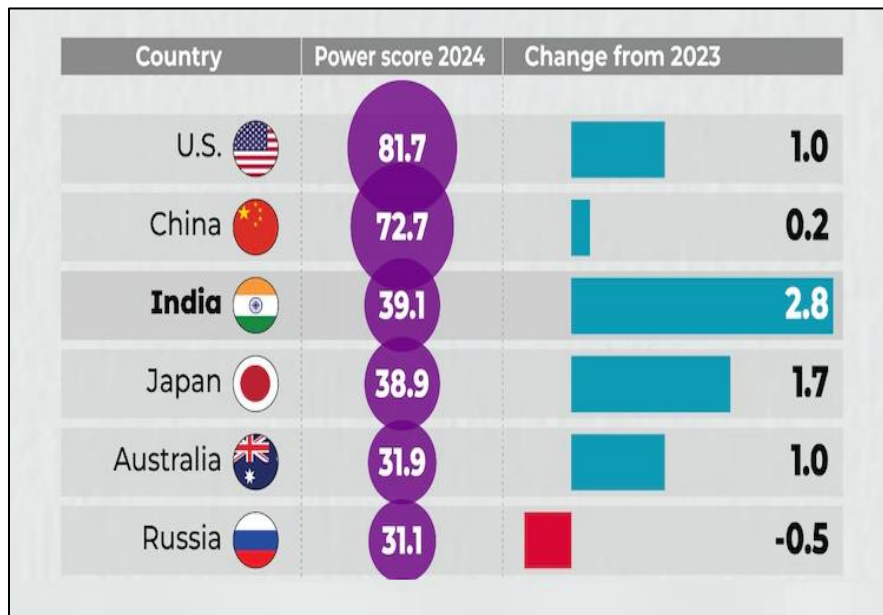
- ❖ Cumulatively, organised gold loans offered by banks and non-banking finance companies (NBFCs) are set to top Rs 10 trillion in the current financial year (FY25).
- ❖ It will potentially touch Rs 15 trillion by March 2027.
- ❖ The gold loan segment has expanded at a compound annual growth rate (CAGR) of 25 per cent between FY20 and FY24.

- ❖ Among the NBFCs, the gold loan book is concentrated with the top four players accounting for 83 per cent in March 2024.

REPORTS AND INDICES

Asia Power Index 2024

- ❖ India ranks third in the annual Asia Power Index, released by an Australian think tank.
- ❖ It surpasses Japan on the back of strong post-COVID 19 economic growths.
- ❖ China's power appeared to plateau just below the United States.
- ❖ U.S ranked at the top of the Index, followed by China, India, Japan, Australia and Russia.




STATES

India's first paperless election - Madhya Pradesh

- ❖ In a first, the Madhya Pradesh State Election Commission has successfully conducted paperless voting at a booth in a panchayat by poll in Bhopal.
- ❖ The Paperless booths have been planned for the purpose of conducting a simple, smooth and transparent voting process in panchayats and urban bodies.
- ❖ In this paperless process, voters' signatures and thumb impressions are recorded electronically to ensure accurate identity verification and voting records.

- ❖ The voting percentage and ballot accounting are also being done online.
- ❖ After the voting ends, the ballot accounting will also be provided to the candidates and polling agents via email.



For the first time in India, the Madhya Pradesh State Election Commission successfully conducted a paperless voting process in a Gram Panchayat election. Implemented as a pilot project at Booth-295 in Ratua Ratanpur Gram Panchayat (Bhopal district), this historic event marked a significant step toward making elections more efficient, transparent, and smooth

The paperless booth replaced the 26 traditional forms used in the election process, significantly reducing errors and disputes. Voter identification and records were digitized through electronic signatures and thumbprints. The initiative saw a remarkable 84% voter turnout, proving its success. The aim of this pilot is to eliminate paperwork while enhancing the accuracy of election reporting, with plans to expand the system in future elections across the state.

Culling of Nilgai and Wild Boars



- ❖ Bihar government decided to get rid of the menace of Nilgai (Blue bulls) and wild boars by giving permission to cull them.
- ❖ The farmers of the State are troubled most by the terror of Nilgai and wild boars damaging their crops at large scale.



- ❖ The drive to cull them would start in five districts namely, East Champaran, Vaishali, Buxar, Siwan, and Samastipur.
- ❖ There are about three lakh Nilgai and 67,000 wild boars in these districts.

IMPORTANT DAYS

World Rose Day 2024 - September 22

- ❖ It is also known as the Day for the Welfare of Cancer Patients.
- ❖ This day focuses on educating people about cancer and encouraging those who are struggling with it.
- ❖ This day honours Melinda Rose, a courageous 12-year-old Canadian girl who lost her battle with cancer in 1996.



NSS day 2024 - September 24



- ❖ The idea of the National Service Scheme (NSS) was proposed by Major General Jagannath Rao Bhonsle.

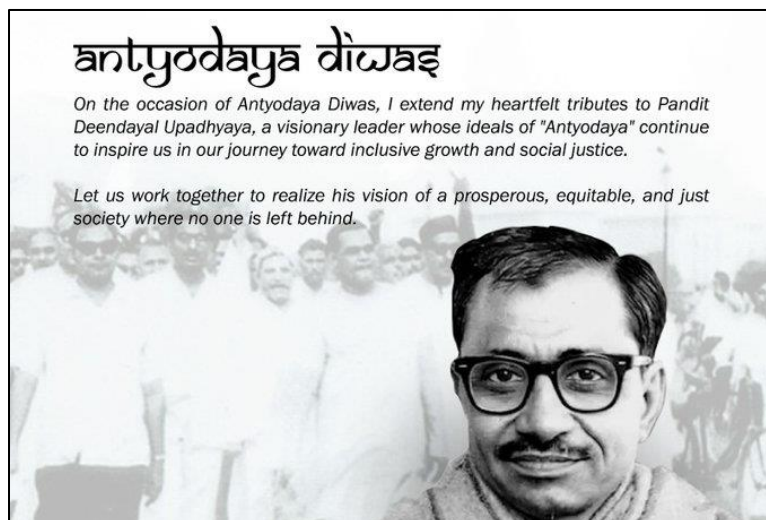
- ❖ On September 24, 1969, the NSS was launched by Dr V.K. R.V. Rao, the father of NSS and then Education Minister of India.
- ❖ The motto of the NSS is “Not Me but You”.

World Pharmacist Day 2024 - September 25

- ❖ It aims to honour and acknowledge pharmacists for their important contributions to enhancing world health.
- ❖ This day encourage and support initiatives that advocate for and increase public awareness of the crucial roles that pharmacists play all over the world.
- ❖ On this day in 1912, International Pharmaceutical Federation (FIP) was founded.
- ❖ The theme for 2024 is "Pharmacists: Meeting global health needs".



Antyodaya Diwas 2024 - September 25



- ❖ It is commemorating the birth anniversary of Pandit Deendayal Upadhyaya.

- ❖ He was born in Mathura, Uttar Pradesh, on September 25, 1916.
- ❖ He was the co-founder of the Bharatiya Jana Sangh (BJS).
- ❖ This day focuses on uplifting the most disadvantaged people in society, promoting social justice and inclusive growth.

World Maritime Day 2024 - September 26

- ❖ This day is observed on the last Thursday of September every year.
- ❖ It aims to provide an opportunity to draw people's attention to the importance of shipping and other maritime activities across the globe.
- ❖ The theme for 2024 is “Navigating the Future: safety first!”



International Day for the Total Elimination of Nuclear Weapons 2024 - September 26

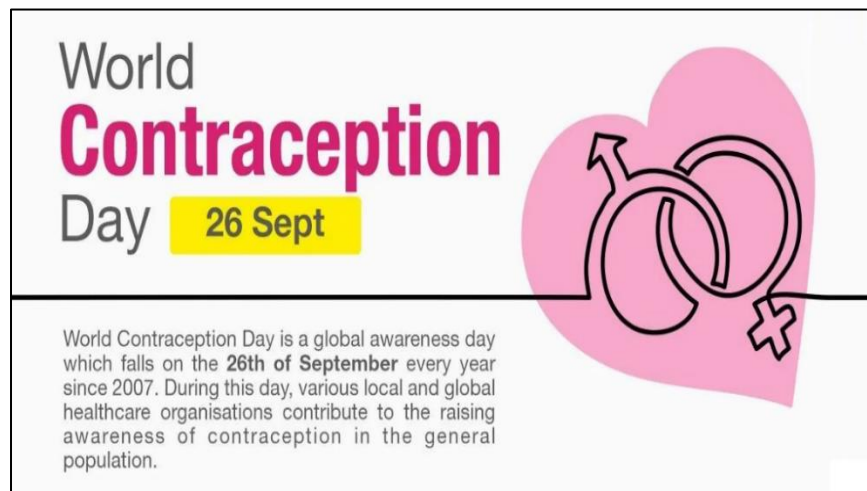


- ❖ It aims to raise awareness about the threat of nuclear weapons and to promote their elimination.
- ❖ It was declared by the UN General Assembly (UNGA) in 2013.
- ❖ The Treaty on the Prohibition of nuclear weapons (TPNW), or the Ban Treaty came into force in 2021.
- ❖ As of July 2024, the TPNW had 70 states parties.

- ❖ Another 27 had signed but not yet ratified it.

World Contraception Day 2024 - September 26

- ❖ It aims to spread the awareness of various contraceptive options to individuals, young men and women, regarding Family Planning and Reproductive Health.
- ❖ It promotes the awareness about contraception, promote the overall health of individuals (both men and women).
- ❖ The theme for 2024 is "A choice for all. Freedom to plan, power to choose."



World Environmental Health Day 2024 - September 26



- ❖ This day highlights the essential connection between a healthy environment and human well-being.
- ❖ It was initiated by the International Federation of Environmental Health (IFEH) in 2011.

- ❖ It draws attention to the urgent need for environmental protection to ensure a healthier future for all.
- ❖ For 2024, the theme is 'Our land Our future.'

World Tourism Day 2024 - September 27

- ❖ This day commemorates the adoption of the UNWTO's statutes in 1970.
- ❖ This day serves as a reminder of tourism's vital role in promoting understanding and peace among cultures.
- ❖ The Theme for 2024 is "Tourism and Peace".



World Rabies Day 2024 - September 28



- ❖ It aims to raise awareness about rabies prevention and to highlight progress in defeating this horrifying disease.
- ❖ This date marks the anniversary of Louis Pasteur's death, the French chemist and microbiologist, who developed the first rabies vaccine.
- ❖ This year's theme is "Breaking Rabies Boundaries".

International Day for Universal Access to Information 2024 - September 28

- ❖ It highlights the advantage of having constitutional, statutory, or policies that guarantee the public to access information for saving lives and building trust.

- ❖ UNESCO declared this day on 17 November 2015.
- ❖ This day emphasizes the pivotal role of information accessibility in achieving sustainable development, transparency and accountable governance.



World Heart Day 2024 - September 29

- ❖ It aims to raise awareness about the heart disease and its preventive measures to manage the cardiovascular diseases.
- ❖ The cardiovascular diseases (CVDs) is one of the leading reason for mortality worldwide.
- ❖ Every year, over 20 million people die due to cardiovascular disease, accounting approx. 31% of all global mortality.
- ❖ The World Heart Federation has launched a new three-year World Heart Day campaign from 2024 to 2026 with the theme “Use Heart for Action.”



International Translation Day 2024 - September 30

- ❖ It recognizes the invaluable contributions of translators and interpreters in bridging linguistic and cultural divides.
- ❖ This day celebrates the feast of St. Jerome, the Bible translator, who is considered the patron saint of translators.

- ❖ He is known for his endeavour of translating most of the Bible into Latin from the Greek manuscripts of the New Testament.

