

May - 06

TNPSC BITS

- ❖ The Tamil Nadu government has issued an advisory banning the use of liquid nitrogen in food and warned of stringent action against violators.
- ❖ ICICI Bank has risen to the top five of India's market capitalization, exceeding the Rs 8 trillion a threshold.
- ❖ India's First Constitution Park, jointly developed by Indian Army and Punit Balan Group, was inaugurated in Pune.
- ❖ India will host the prestigious 2025 BWF World Junior Championships at the National Centre of Excellence in Guwahati.
- ❖ Dr. Bina Modi was honoured for Outstanding Contributions to Corporate Social Responsibility by the Vice President of India.
- ❖ Micron India is aiming to release the initial set of chips packaged at its Sanand facility in Gujarat by the beginning of next year.
- ❖ The Ministry of Earth Sciences (MoES) through the National Centre for Polar and Ocean Research (NCPOR), will host the 46th Antarctic Treaty Consultative Meeting (ATCM 46) and the 26th Meeting of the Committee for Environmental Protection (CEP 26) in Kochi, Kerala.
- ❖ The air quality in Kathmandu was at the top of the list of cities with 'unhealthy air' in the world.
 - In terms of pollution, New Delhi, Chiang Mai in Thailand, Hanoi in Vietnam, Bangkok in Thailand and Dhaka in Bangladesh are ranked second, third, fourth and fifth respectively.

TAMIL NADU

High court on Town and Country Planning Act

- ❖ The Tamil Nadu Town and Country Planning (TTCP) Act, 1971 does not empower the State government to prevent private land owners from constructing buildings on their immovable properties by declaring them to be under 'no development zones.'
- ❖ The government could only acquire such lands if they were required for any public purpose, such as maintaining the catchment area of a lake, the Madras High Court has ruled.
- ❖ They said that the government could not compel the landowners to do only agriculture on those lands.

- ❖ Though right to property was no more a fundamental right because of the deletion of Article 19(1)(f) from the Constitution, the right guaranteed under Article 300A (no person shall be deprived of his property save by authority of law) had been recognised as a human right too.



NATIONAL

75 Years of Diplomatic Ties with Indonesia



- ❖ Diplomatic relations between India and Indonesia were established in 1950.

- ❖ It is marked by the visit of the Indonesian President and the signing of the Treaty of Friendship in 1951.
- ❖ Both nations were pivotal participants in the Bandung Conference of 1955, a landmark event in the history of the Non-Aligned Movement.
- ❖ They had established a Strategic Partnership in 2005, later elevating it to a Comprehensive Strategic Partnership.
- ❖ Indonesia is a key partner in India's Act East Policy.

Eggshell skull rule

- ❖ The Supreme Court restored the compensation of Rs 5 lakhs awarded by the district consumer forum in a medical negligence case after it find 'eggshell skull' legal principle was incorrectly applied.
- ❖ The eggshell skull rule is a common law principle applied in civil litigation.
- ❖ Essentially, when the offender would be liable for all injuries that might be intensified due to the peculiar conditions of the injured person that the offender might not have known.
- ❖ Simply put, the defendant would be held responsible for injuries caused to a person when he hit him on the head, even if the victim had a particularly delicate skull or an 'eggshell' for a skull.



INTERNATIONAL

G7 & Its coal targets

- ❖ Energy Ministers from the Group of Seven (G7) major democracies agreed to end the use of coal in power generation "during the first half of (the) 2030s.

- ❖ Germany has written into its legislation a final target to shut coal plants by 2038 at the latest, while Japan has not set a date.
- ❖ The agreement on coal marks a significant step in the direction indicated last year by the COP28 United Nations climate summit to phase out fossil fuels.



Hangor Class Submarine



- ❖ The first Hangor class submarine, built by China for Pakistan, was launched recently.
- ❖ This was the first of eight submarines of this class that the Pakistan Navy is set to induct into its fleet by 2028.
- ❖ The Hangor-class, an export variant of the Chinese Type 039A Yuan class, is a diesel-electric attack submarine.

- ❖ It is the direct counterpart of India's Kalvari class of submarines, based on the French Scorpene-class.

SCIENCE AND TECHNOLOGY

K2-18b and Dimethyl Sulphide

- ❖ The James Webb Space Telescope has reportedly discovered the "strongest, most promising sign" of life on another planet.
- ❖ Exoplanet K2-18b, situated 124 light-years from Earth.
- ❖ It is believed to likely contain dimethyl sulfide (DMS) gas in its atmosphere.
- ❖ Dimethyl sulphide (DMS) gas is only produced by life on Earth.

WHERE A YEAR LASTS 33 DAYS...

- K2-18b was discovered in 2015 by Nasa's Kepler spacecraft (right).
- The planet is 110 light years away, in the Leo constellation close to Ursa Major (the Great Bear).
- Its star is a 'red dwarf' which is cooler than our own and appears red instead of yellow.
- But the planet's temperature is similar to Earth's. It is so close to its star it takes only 33 days to orbit it.
- That makes a year on K2-18b the equivalent of just over a month here.
- K2-18b is a rocky planet with an atmosphere which contains water and hydrogen and may also have clouds.
- K2-18b is a 'Super Earth', which is the name given to planets larger than our own, at twice Earth's size and eight times its mass.

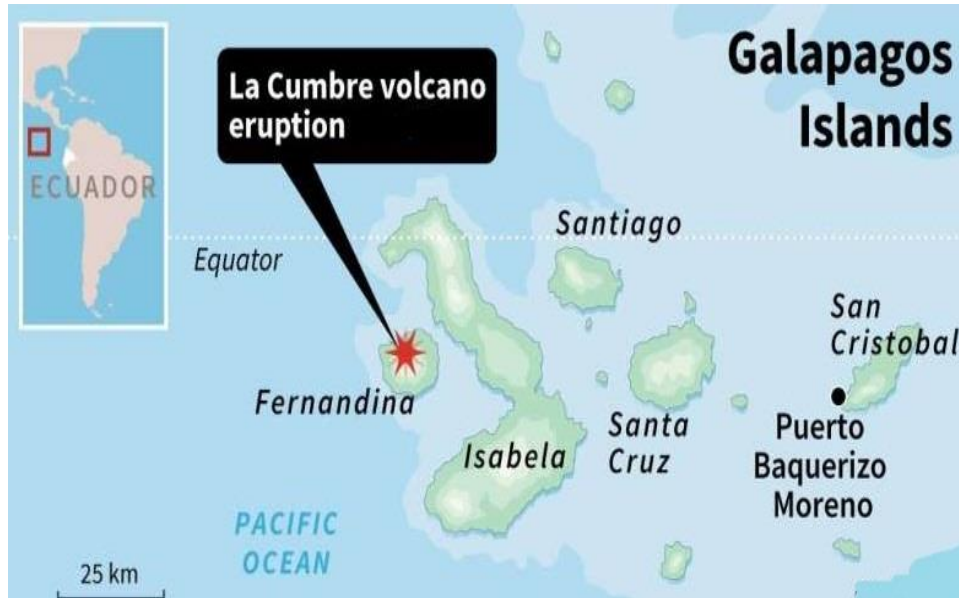
50% of K2-18b's atmosphere could be water

ENVIRONMENT

La Cumbre volcano & Land iguanas

- ❖ The La Cumbre volcano located on Fernandina Island was erupted last month.
- ❖ The La Cumbre volcano is located around 1,125 kilometres off mainland Ecuador and erupted for the first time since 2020.
- ❖ The island is also home to a large population of rare land iguanas.
- ❖ They nest and lay eggs on the rim of the volcano's large crater or caldera and deep within it.

- ❖ It is a very large species of lizard in the family Iguanidae.
- ❖ It is one of three species of land iguana endemic to the Galapagos Islands.
- ❖ The others being the Santa Fe land iguana and the Galapagos pink land iguana.



IMPORTANT DAYS

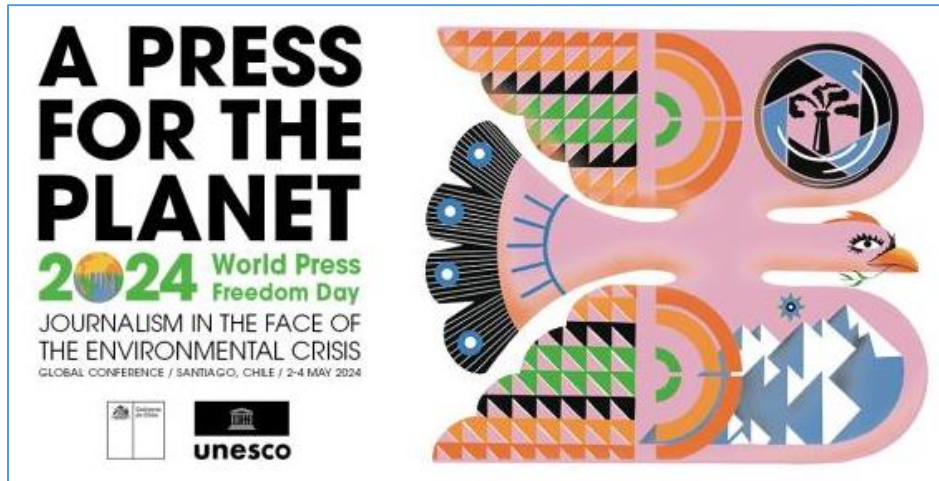
World Tuna Day 2024 - May 02



- ❖ It is dedicated to raise the awareness about the critical importance of tuna conservation.
- ❖ Tuna is popular for its numerous health benefits, as it provides Omega-3 fatty acids, protein and vital vitamins.

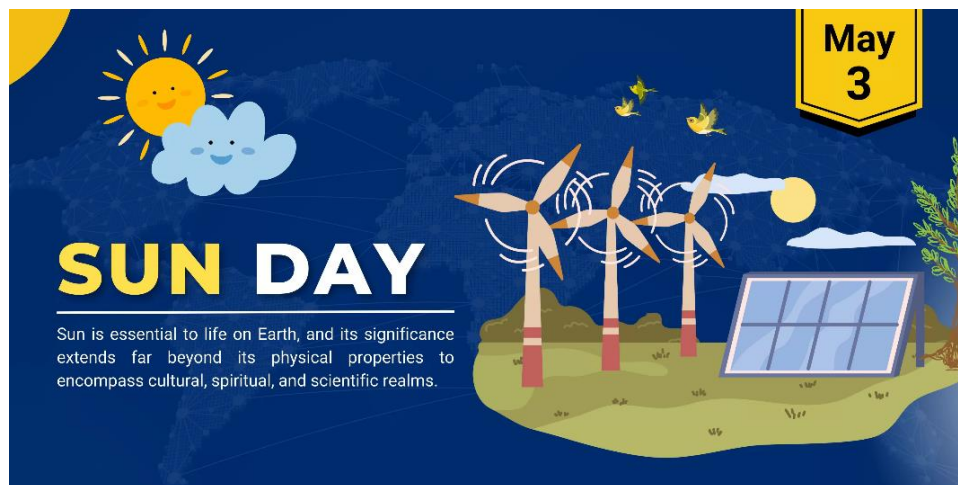
- ❖ These migratory tuna species account for 20 percent of the value of all marine capture fisheries and over 8 percent of all globally traded seafood.

Press Freedom Day 2024 - May 03



- ❖ The anniversary of the Declaration of Windhoek is celebrated as World Press Freedom Day.
- ❖ This day was proclaimed by the UN General Assembly in December 1993, following the recommendation of UNESCO's General Conference.
- ❖ The theme for 2024 is "A Press for the Planet: Journalism in the Face of the Environmental Crisis."

International Sun Day 2024 - May 03



- ❖ This day is dedicated to raise the awareness about the importance of solar energy and the need to use renewable energy sources.

- ❖ It was first proposed by Denis Hayes, who also founded Earth Day, in 1978.
- ❖ Sun Day was first celebrated on April 22, 1978.

MISCELLANEOUS

7000-year-old pre-historic settlement – Serbia

- ❖ A prehistoric settlement of massive size has been discovered in the Banat region of northeastern Serbia.
- ❖ Archaeologists date back the previously known settlement to some 7,000 years, much later than the Late Neolithic period.
- ❖ The settlement is located near the Tamis River in the Banat region of northeastern Serbia.
- ❖ The Vinca culture is a prehistoric group that occupied a region of southeastern-central Europe during this period.

