

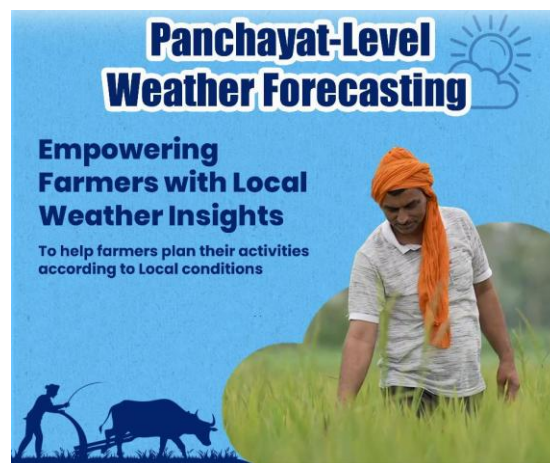
October - 31

TNPSC BITS

- ❖ The Ministry of Information & Broadcasting has announced that Australia as the “Country of Focus” for the 55th edition of the International Film Festival of India (IFFI).
- ❖ Meghalaya's capital, Shillong, has become the most popular travel destination for Indians in 2025.
- ❖ Actor Darasing Khurana has received the Mahatma Gandhi Leadership Award for his work towards raising awareness around mental health issues as the 'Commonwealth Year of Youth Champion'.
- ❖ The 11th Asia Clean Energy Summit (ACES) recently took place in Singapore.
- ❖ The U.S., France and Armenia have emerged as the top three customers for Indian military exports.
- ❖ As a new conservation initiative, the Global Ecosystems Atlas, has been launched to provide a comprehensive and unified resource for mapping and monitoring ecosystems worldwide.
- ❖ The total investor count of mutual fund had stood at 50.1 million at the end of September 2024.

NATIONAL

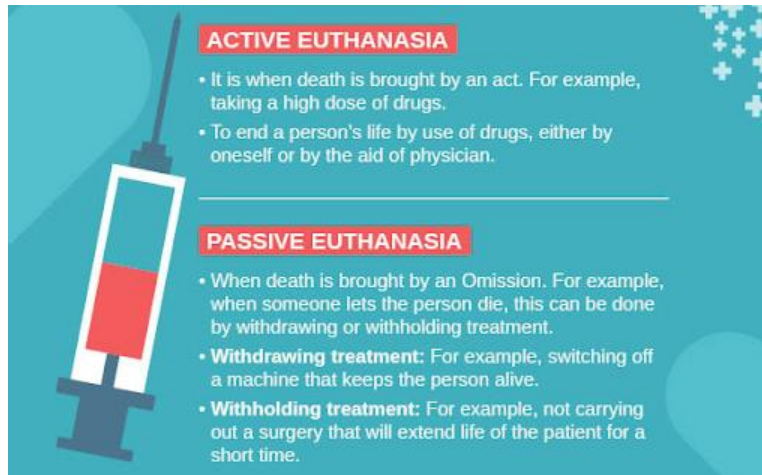
Localized Weather Forecasting



- ❖ Five-day weather forecasts, updated every hour, are now available at the level of gram panchayats.
- ❖ It is the first major step towards localised forecasting across the country.

- ❖ It aimed at “empowering rural communities and enhancing disaster preparedness at the grassroots, and will benefit farmers and villagers across the country.
- ❖ Hourly forecasts will be available on the e-GramSwaraj and Gram Manchitra portals, and the Meri Panchayat app.
- ❖ e-GramSwaraj is already operational.

New draft guidelines on passive euthanasia 2024

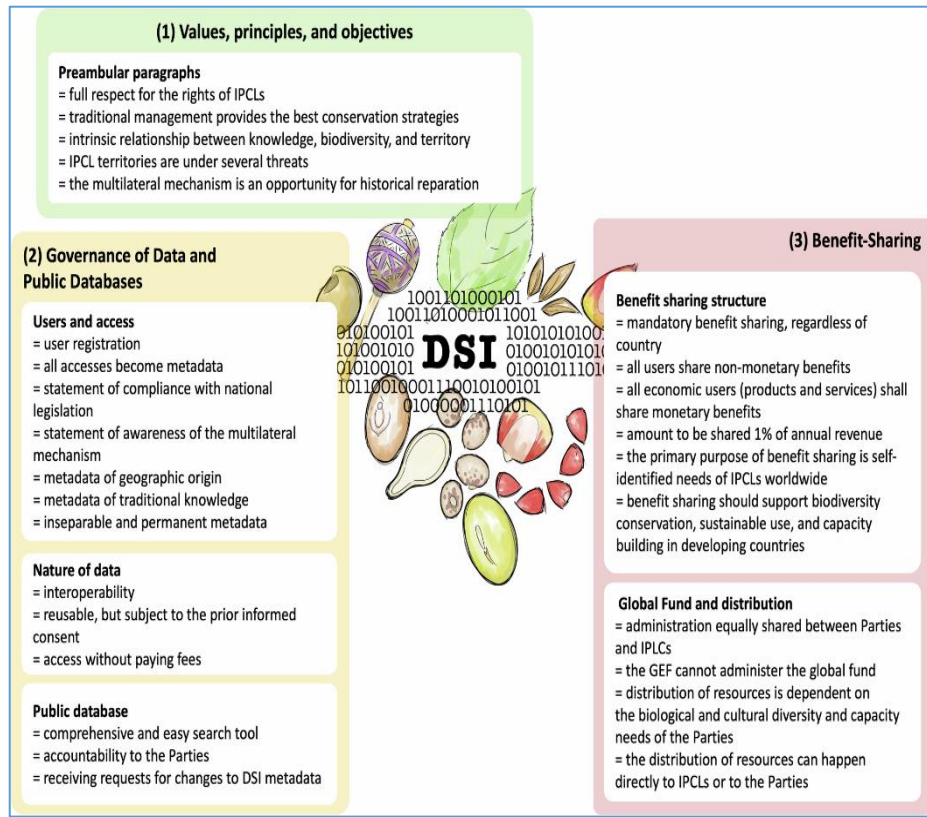


- ❖ Union Health Ministry comes up with new draft guidelines on passive euthanasia.
- ❖ The Doctors should take a "considered decision" on withdrawal of life support in terminally ill patients on the basis of certain conditions including a documented informed refusal by the patient or their kin.
- ❖ The guidelines laid out four conditions for the passive euthanasia to take a "considered decision in a patient's best interests, to stop or discontinue ongoing life support."
 - The individual has been declared to have had a brainstem death
 - There is medical prognostication and a considered opinion that the patient's disease condition is advanced and not likely to benefit from aggressive therapeutic interventions,
 - A patient/surrogate documented informed refusal, following prognostic awareness, to continue life support
 - Compliance with procedures prescribed by the Supreme Court.
- ❖ A Terminal illness in the draft guidelines has been defined as an irreversible or incurable condition from which death is inevitable in the foreseeable future.
- ❖ Severe traumatic brain injury which shows no recovery after 72 hours or more is also included.

- ❖ For a patient without capacity, foregoing of Life Support proposals should be made by a consensus among a group of at least three physicians who form the Primary Medical Board (PMB).
- ❖ A Secondary Medical Board of three physicians with one appointee by the Chief Medical Officer of the district must validate the decision by the PMB.

INTERNATIONAL

Global Deal on Genetic Information Use



- ❖ At the U.N. COP16 nature summit, member countries will negotiate a deal for the use of genetic information from nature, known as digital sequence information (DSI).
- ❖ The DSI refers to the digital representation of genetic codes extracted from living organisms.
- ❖ These genetic sequences are digitized and often uploaded to the public databases where they are stored for any researcher to use.
- ❖ The COP16 talks will focus on how this digital information is used and do not touch on the actual samples and specimens.

- ❖ The charge of between 0.1% to 1% on annual revenues in key sectors using DSI could generate between \$1 billion and \$10 billion annually.

ECONOMY

Guidelines for import of seaweeds 2024

- ❖ The Centre notified the 'Guidelines for Import of Live Seaweeds into India'.
- ❖ It aims to facilitate the import of high-quality seed materials or germplasm to help the coastal societies to find better livelihood opportunities.
- ❖ As per the new guidelines, to import live seaweed, the importers will have to submit a detailed application to the Department of Fisheries.
- ❖ It will be reviewed by the National Committee on Introduction of Exotic Aquatic Species into Indian Waters.
- ❖ Upon approval, the Department will issue an import permit within four weeks, facilitating the import of high-quality seaweed germplasm.

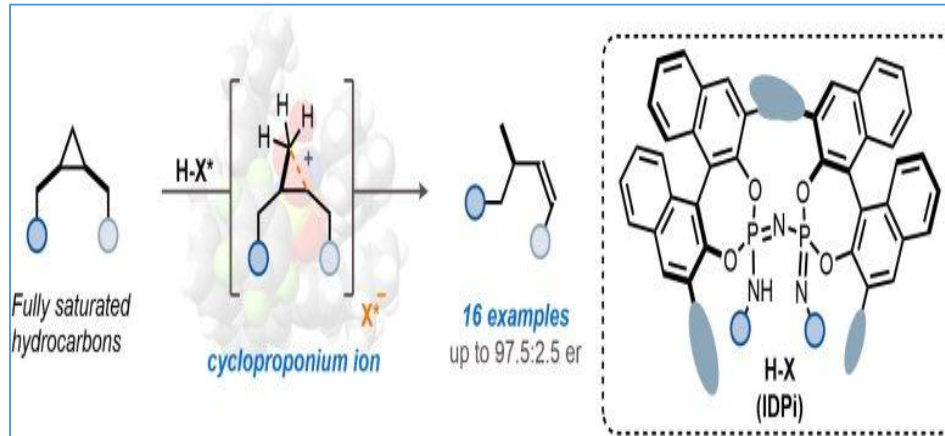


SCIENCE AND TECHNOLOGY

Alkanes - chiral Brønsted acids

- ❖ A Researchers have developed a novel method to activate alkanes using confined chiral Brønsted acids.
- ❖ It is significantly enhancing the efficiency and selectivity of chemical reactions.
- ❖ Alkanes are organic compounds that consist entirely of single-bonded carbon and hydrogen atoms and lack any other functional groups.
- ❖ They are also relatively inert biologically and are not often involved in the chemistry of living organisms.

- ❖ Alkanes do, however, react with oxygen, halogens, and a few other substances under appropriate conditions.
- ❖ Reaction with oxygen occurs during combustion in an engine or furnace when an alkane is used as a fuel.



ENVIRONMENT

Giant Salmon Carp - Mekong River



- ❖ With the last confirmed sighting in 2005, these species of fish seems to have disappeared from the Mekong region for decades.

- ❖ Three giant salmon carp found in the Mekong River and a tributary in Cambodia between 2020 and 2023.
- ❖ One nickname for the species is “ghost fish.”
- ❖ It is a fascinating species native to freshwater habitats in East Asia, particularly in regions like the Amur River basin.

Anguiculus Dicaprioi

- ❖ Scientists have recently classified a new snake species in the Western Himalayas, Anguiculus Dicaprioi.
- ❖ It honours the actor and environmental activist Leonardo DiCaprio, for his efforts in raising awareness about climate change and wildlife conservation.
- ❖ Anguiculus Dicaprioi is a member of the Colubridae family, the most extensive classification of snakes, consisting of various species and groups.
- ❖ The term “Anguiculus” means “small snake” in Latin.

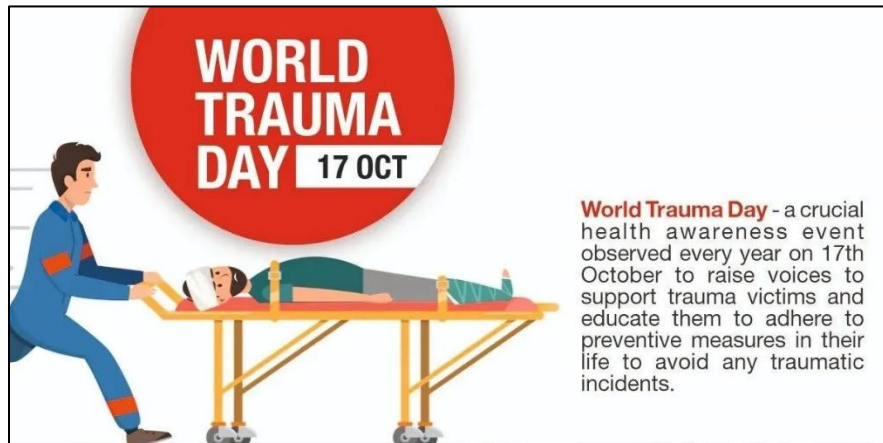


IMPORTANT DAYS

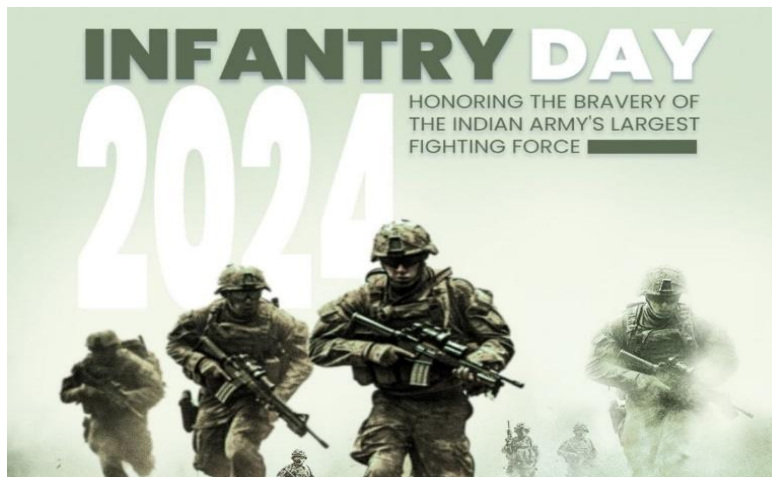
World Trauma Day 2024 - October 17

- ❖ It aims to raise the awareness about trauma and its effects on individuals and communities.
- ❖ This day highlights the importance of understanding trauma, its causes, and the need for appropriate responses, particularly through trauma-informed care.

- ❖ Trauma refers to an emotional response to distressing or life-altering events.
- ❖ The first annual World Trauma Day was established in 2011 in New Delhi, India.



Indian Army Infantry Day 2024 - October 27



- ❖ This day recognise the contributions of the largest fighting arm of the Indian Army.
- ❖ On October 26, 1947, the Maharaja of Jammu and Kashmir, Hari Singh, signed the instrument of accession.
- ❖ On 27th October 1947, the first troops of the Indian Army landed at Srinagar airport, forcing the invaders, backed by Pakistan, to retreat.

International Animation Day - October 28

- ❖ It was established in 2002 by the International Animated Film Association (ASIFA), a branch of UNESCO.

- ❖ The first public performance of projected moving images was Emile Reynaud's Theatre Optique in Paris, on October 28, 1892.
- ❖ The journey of Indian animation started with the government setting up the Cartoon Films unit in 1955 in the Film Division complex in Mumbai.
- ❖ India's first full-length animated movie was released in the 1990s namely "The Legend of Prince Rama".



International Day of Care and Support 2024 - October 29

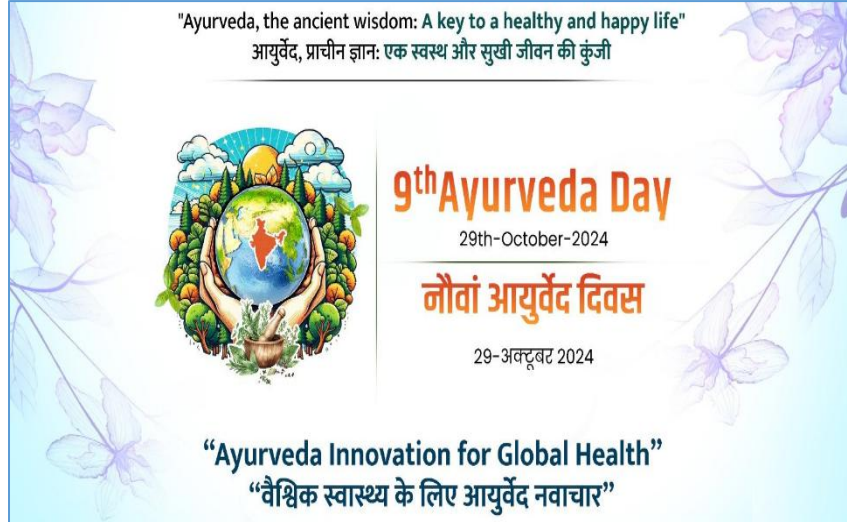


- ❖ It honours the accomplishments of caregivers and promote laws and programs that promote and improve care.
- ❖ The global care workforce comprises 249 million women and 132 million men.



- ❖ By 2030, the number of care recipients is predicted to reach 2.3 billion.
- ❖ Women perform 76.2 per cent of the total amount of unpaid care work, 3.2 times more time than men.

National Ayurveda Day 2024 - October 29



- ❖ This day is celebrated on Dhanvantri Jayanti.
- ❖ It aims to raise the awareness about Ayurvedic principles, medicinal herbs, and lifestyle practices.
- ❖ The theme for 2024 is 'Ayurveda Innovation for Global Health'.

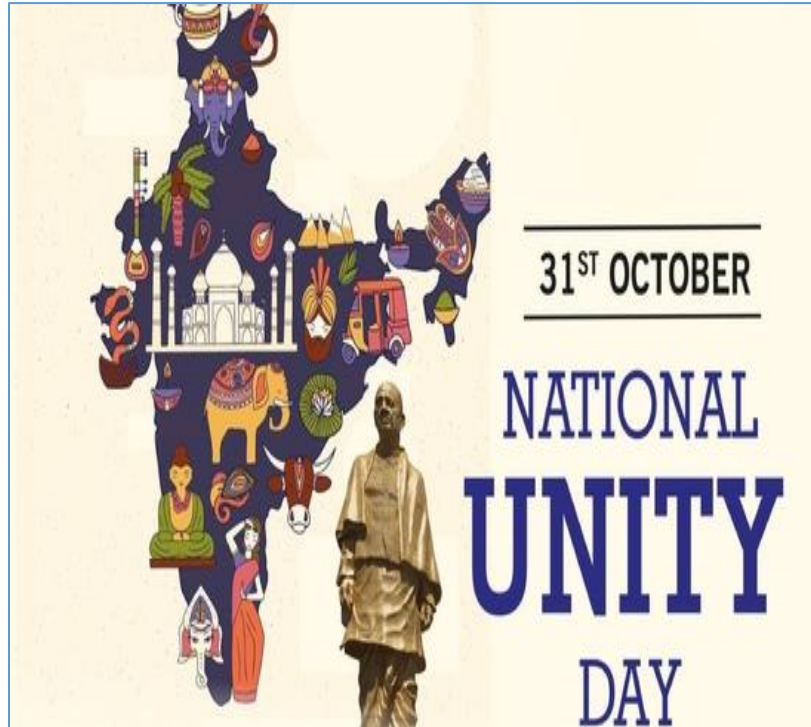
World Thrift Day 2024 - October 30



- ❖ It aims to aware consciousness to people about their financial security, savings, and freedom.

- ❖ During the 1st International Savings Bank Congress on 31 October 1924, at Italy's Milan, World Savings Day was established.
- ❖ It was proposed by Filippo Ravizza, an Italian professor.

National Unity Day 2024 - October 31



- ❖ Rashtriya Ekta Diwas or National Unity Day is celebrated to commemorate the birth anniversary of Sardar Vallabhbhai Patel.
- ❖ He was India's first Deputy Prime Minister of India and first Home Minister of India from 1947 to 1950.
- ❖ Patel successfully persuaded all the 565 self-governing princely states to accede to India after getting independence from British colonial rule.
- ❖ The government will commemorate the 150th birth anniversary of Sardar Vallabhbhai Patel with a two-year-long nationwide programme from 2024 to 2026.

World Cities Day 2024 - October 31

- ❖ It highlights the global push towards creating sustainable, inclusive urban spaces.
- ❖ In 2013, the United Nations General Assembly officially designated this day.

- ❖ The theme for 2024 is “Youth leading climate and local action for cities.”



MISCELLANEOUS

Cyber fraud cases 2024



- ❖ Indians lost approximately Rs 120.3 crore to ‘digital arrest’ fraud schemes during the first quarter of 2024.
- ❖ Also, they had lost Rs 1,420.48 crore in trading scam, Rs 222.58 crore in the investment scam, and Rs 13.23 crore in romance/dating scam.
- ❖ The National Cybercrime Reporting Portal had recorded 0.74 million complaints between January 1 and April 30 this year.
- ❖ It is following 1.5 million complaints logged in 2023.
- ❖ Tamil Nadu had a 9% share in cyber fraud cases.

