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TNPSC BITS


- ❖ The second edition of the National Cyber Security Exercise, known as 'Bharat NCX 2023,' is organised by the National Security Council Secretariat (NSCS).
- ❖ The 8th BRICS International Competition Conference 2023 (BRICS ICC 2023), hosted by the Competition Commission of India (CCI) was held in New Delhi.

NATIONAL

Election seizure management system

ESMS: Enhancing Oversight for an inducement free Elections

- ❑ **Election Seizure Management System**
 - A Tech platform for **real-time updates on seizures** from the field by multifarious state & central enforcement agencies
- ❑ Facilitates **qualitative analysis** and **planning** of the seizures
- ❑ Ensures **seamless coordination** and **intelligence sharing** amongst enforcement agencies
- ❑ To be used for the first time in these five state assembly elections



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- ❖ The upcoming assembly elections in five states will witness the roll-out of the Election Commission's latest technology initiative.
- ❖ It will enhance transparency in monitoring use of money power and poll inducements as well as action taken by central and state enforcement agencies against such offences.
- ❖ The technology is called Election Seizure Management System (ESMS).
- ❖ This is a platform where all the central and state enforcement agencies will be onboarded.
- ❖ It will require them to upload details of every recorded movement and seizure of illicit cash, liquor, drugs etc.
- ❖ This will also, enabling real-time updates from the field as well as coordination and intelligence-sharing between such agencies.

- ❖ The rise in seizures between the latest poll and election before that was 2,184% in Tripura, 1,150% in Nagaland, 6,627% in Meghalaya, 2,862% in Gujarat, 533% in HP and 200% in Uttarakhand.

Protocol for Management of Malnutrition in Children

- ❖ The Centre has launched a standardised national protocol to identify and provide extensive care to malnourished children in the country.
- ❖ It includes fresh initiatives like appetite testing and “buddy mother” concept.
- ❖ It provides detailed 10-step guidelines for identification and management of malnourished children at the Anganwadi level.
- ❖ It is including decision-making for referral, nutritional management and follow-up care.
- ❖ The “Buddy mother” concept was first used in the state of Assam.
- ❖ Under this scheme, the mother of a healthy baby guides the mother of a malnourished child at an Anganwadi centre every week.



INTERNATIONAL

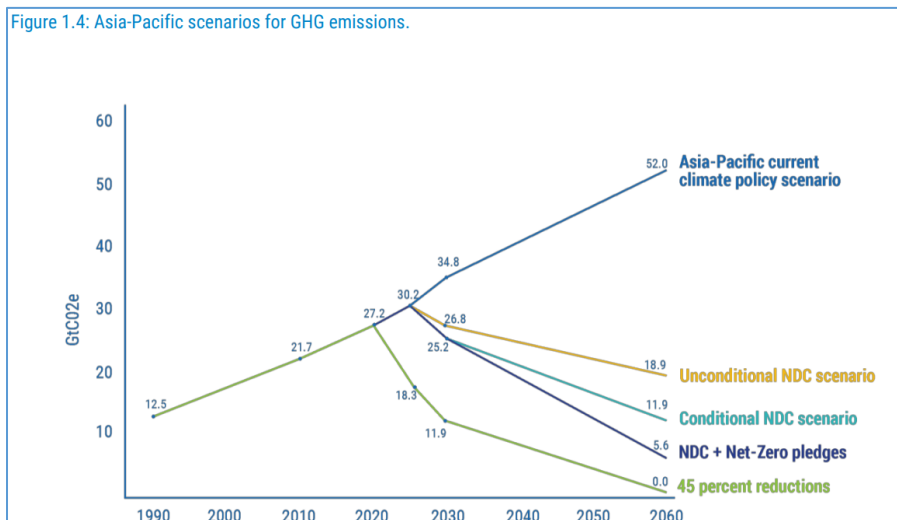
Europe's First Private Rocket Launch

- ❖ Spain's company PLD Space launched Miura-1 rocket successfully.
- ❖ This is marking Europe's first fully private rocket launch.
- ❖ Miura-1, a recoverable rocket, was launched from a site in southwest Spain.

- ❖ The primary objective of the Miura-1 rocket's debut mission was to conduct a suborbital test flight.



Sustainable Finance: Bridging the Gap in Asia and the Pacific



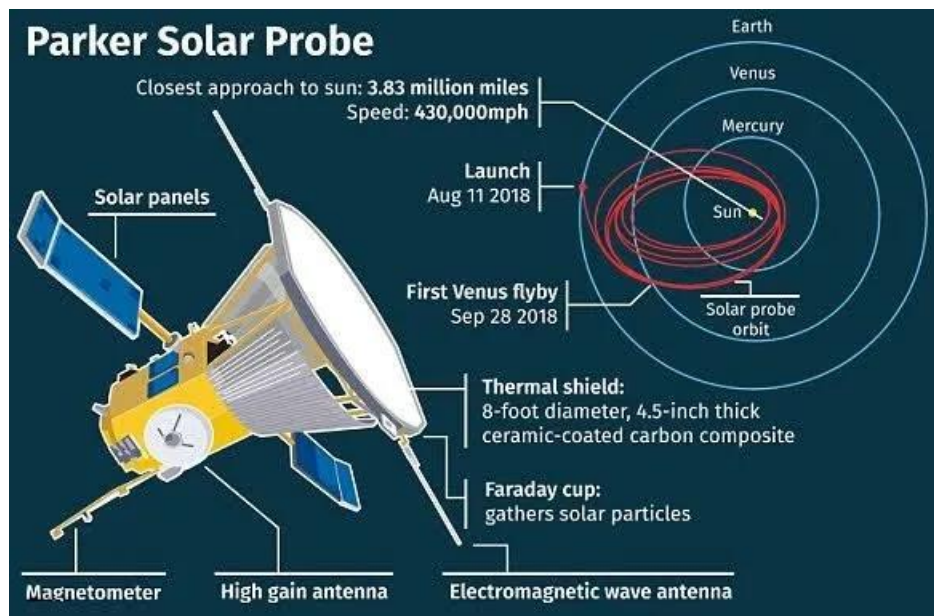
- ❖ It was a new report by the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) has put forward 10 principles for action for policymakers, regulators and private financiers.
- ❖ Only 17 of the 51 Asia-Pacific countries party to the UN Framework Convention on Climate Change have assessed and reported their financial needs to meet their Nationally Determined Contributions.
- ❖ Only seven have broken down financial needs between adaptation and mitigation.
- ❖ Average economic losses in the region from disaster-related and other natural hazards are expected to rise to \$1.1 trillion in a moderate climate-change scenario.

- ❖ 1.4 trillion USD in a worst-case scenario of above.

SCIENCE AND TECHNOLOGY

Parker Solar Probe's New Speed Record

- ❖ NASA's Parker Solar Probe has hurtling through the Solar System at an astonishing speed of 635,266 kilometres (394,736 miles) per hour.
- ❖ This milestone was reached during the probe's 17th orbit around the Sun.
- ❖ It collects crucial data about the Sun's charged particle winds and magnetic fields.
- ❖ Notably, this speed surpasses its previous record of 586,863.4 kilometres (364,660 miles) per hour, achieved just three years ago.
- ❖ It is also ventured to a distance of just 7.26 million kilometres above the Sun's scorching plasma surface.



ENVIRONMENT

Asiatic wild dog-tiger coexistence

- ❖ Recent studies revealed that the diurnal activity of the dholes had the highest temporal overlap with leopards and the lowest with clouded leopards.
- ❖ The study was conducted in Assam's Manas National Park.

- ❖ This study reveals that the overlapping prey availability or habitat suitability could dictate a positive association between dholes and tigers, facilitating co-existence or even cooperative behaviours between the two species of carnivores.
- ❖ Animals, plant species, and populations within the same or overlapping geographical areas are referred as Sympatric.
- ❖ The dhole or Asiatic wild dog (*Cuon alpinus*) is the only endangered wild pack-living canid in the tropical Indian forests.
- ❖ It is considered at high risk of extinction.
- ❖ The global population of adult dholes is estimated to be between 949 and 2,215 individuals.
- ❖ They scattered in localised areas of India and Thailand.



STATES

Kerala's first 3D-printed building



- ❖ Kerala's first building Named Amaze-28, built using 3D printing technology has been inaugurated.

- ❖ Designed as a demonstration project, Amaze-28 is a model that was completed in just 28 days.
- ❖ In 3D printing basically, there are 3 processing.
- ❖ First is data processing, second is material processing and 3rd is robotic printing.

PERSONALITIES, AWARDS, AND EVENTS

Saraswati Samman 2022

- ❖ Tamil writer Sivasankari presented with the ‘Saraswati Samman’ 2022 for her book of memoirs Surya Vamsam.
- ❖ The award is instituted by the K.K. Birla Foundation.
- ❖ She has authored 36 novels, 48 novelettes, 150 short stories, five travelogues, seven collection of essays and three biographies.
- ❖ The Saraswati Samman is one of the most prestigious awards given annually.
- ❖ This is awarded to an outstanding literary work of an Indian citizen published during the last 10 years in any of the languages included in Schedule VIII of the Indian Constitution.
- ❖ So far 32 awards have been presented.



IMPORTANT DAYS

World Egg Day 2023 - October 13

- ❖ World Egg Day is celebrated on the second Friday of October each year.
- ❖ In 1996 the World Egg Day was established by the International Egg Commission.
- ❖ This day serve as an annual opportunity to promote the significance of eggs in human nutrition, food security and overall well-being.

- ❖ Theme for 2023 is 'Eggs for a healthy future'



World Standard Day 2023 - October 14

- ❖ The primary aim of this day is to educate consumers, policymakers, and businesses on the importance of standardization.
- ❖ This day was inaugurated on October 14, 1946.
- ❖ It serves as an opportunity to raise awareness among nations and their citizens.
- ❖ It also encourages them towards a better quality of life.
- ❖ The theme for 2023 is "Shared Vision for a Better World: Incorporating Sustainable Development Goal for Good Health and Well-Being."



World Migratory Bird Day 2023 - October 14

- ❖ The World Migratory Bird Day 2023 is a global day which is observed twice a year.
- ❖ The day is observed on the second Saturday of May and October in different countries.

- ❖ This day is observed in the United States and Canada in May while in other countries it is observed in October.
- ❖ The theme of this year is “Water: Sustaining Bird Life”.



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