

April - 23

## TNPSC BITS

- ❖ City Union Bank (CUB) launched India's first Voice Biometric Authentication banking app for its mobile banking app which uses it to improve security.
- ❖ Argentina will host the FIFA Under-20 World Cup following the decision to strip Indonesia of the right to stage the tournament by FIFA.
- ❖ IFGE-Compressed Biogas Producers Forum has organized the two-day Global Conference on Compressed Biogas in New Delhi.
  - Theme of the event is “Towards Progressive Policy Framework for a Robust CBG Foundation and Growth”.
- ❖ Ace Indian boxer Nikhat Zareen won the second world Championships title by defeating Vietnam's Nguyen Thi Tam in the 50kg summit.
  - She becomes only the second Indian after Mary Kom to win the title twice.
- ❖ Former Chancellor Angela Merkel was decorated with Germany's highest possible honour in recognition of her near-record 16 years at the helm of the country.

## NATIONAL

### Scheme to promote tribal products

The image is a promotional poster for the launch of a scheme. At the top, it features logos for G20 India 2023, the Government of India, and the 75th Azadi Ka Amrit Mahotsav. The central text reads: "Launch of Scheme 'Marketing and Logistics Development for Promotion of Products from North-Eastern Region' by Shri Arjun Munda, Hon'ble Minister for Tribal Affairs, Government of India". Below this, the date and time are given as "18th April, 2023 | 3:00 PM" and the location as "MSFDS Auditorium, Konung Mamang, Imphal, Manipur". At the bottom, there are seven hexagonal icons representing products from different states: Arunachal Pradesh (textile), Assam (tea), Meghalaya (orange juice), Manipur (pottery), Nagaland (peppers), Mizoram (textile), and Tripura (pottery).

- ❖ Union Tribal Affairs Ministry launched a 'Marketing and Logistics Development for Promotion of Tribal Products from North Eastern Region' (PTP-NER).

- ❖ This centrally-sponsored scheme aims to empower individuals to become self-employed and self-reliant.
- ❖ It will promote value addition and marketing of products made by the tribals from the north eastern region.

## Animal Birth Control Rules - 2023

| <b>SALIENT POINTS OF ANIMAL BIRTH CONTROL RULES</b>   |  |
|---|--|
| <ul style="list-style-type: none"><li>➤ Local authority is responsible for <b>deworming, vaccination, and sterilization of stray dogs</b></li><li>➤ Local authority to ensure adequate facilities at each animal birth control centre</li><li>➤ Resident welfare associations/Apartment owner association or local body representatives are responsible for providing necessary arrangements for feeding community animals and establishing methods for conflict resolution between animal caregivers and RWAs/AOAs or other residents</li><li>➤ Reasons for capturing stray dogs and guidelines for their sterilization, immunization and release using humane methods</li></ul> |    |
|   | <ul style="list-style-type: none"><li>➤ <b>Sterilization and immunization of domestic or feral cats</b></li><li>➤ Guidelines for resolving complaints related to <b>dog bites or rabid dogs</b></li><li>➤ Progress reports on capturing, sterilization and vaccination of stray dogs to be submitted on a monthly and annual basis</li></ul> |

- ❖ The Central Government has notified the Animal Birth Control Rules, 2023 under Prevention of Cruelty to Animal Act, 1960
- ❖ This is superseding the Animal Birth Control (Dog) Rules, 2001.
- ❖ As per the extant Rules, the Animal Birth Control (ABC) programme for the sterilization and immunization of the stray dogs are to be carried out by the respective local bodies/municipalities/Municipal Corporations and Panchayats.
- ❖ The Municipal Corporations need to implement the ABC and Anti Rabies Program jointly.
- ❖ The Rules also provides the guidelines how to deal with the human and stray dog conflicts without relocating the dogs in an area.

## INTERNATIONAL

### Olkiluoto 3 Reactor

- ❖ After 18 years, the Olkiluoto 3 reactor kicked off regular production recently.
- ❖ It has 1,600-megawatt capacity and was connected into the Finnish national power grid in March 2022.

- ❖ Construction of Olkiluoto 3 began in 2005 and was due to be completed four years later.
- ❖ The Olkiluoto 3 is Western Europe's first new reactor in more than 15 years.
- ❖ It is the first new-generation EPR, or European Pressurized Reactor.
- ❖ It was developed in a joint venture between France's Areva and Germany's Siemens.



## SCIENCE AND TECHNOLOGY

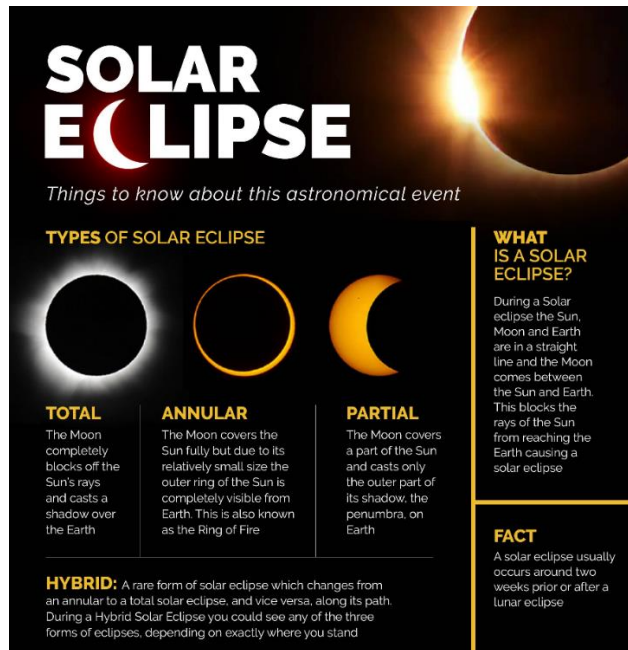
### World first smart gun



- ❖ Biofire company of USA announced the sale of 'smart guns' that uses biometric identification.

- ❖ Using the biometric identification, only authorized persons are allowed to fire from the gun.
- ❖ It utilizes fingerprint and facial recognition, and have been integrated seamlessly with the firing mechanism.

## Ningaloo Eclipse

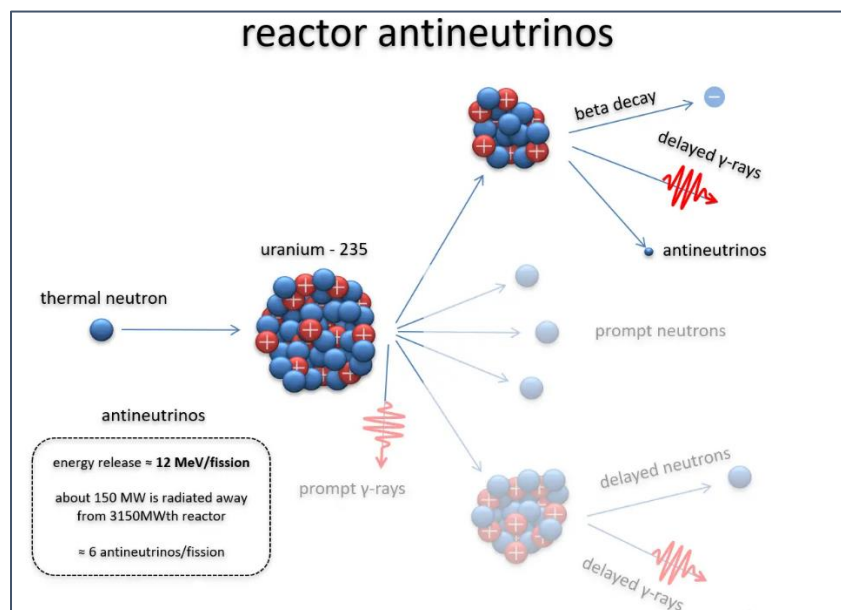


- ❖ During the eclipse, the Moon will pass between the Sun and the Earth.
- ❖ In the parts of the Earth that are in the dark part of the Moon's shadow will experience a total solar eclipse.
- ❖ But sometimes, the Moon is too far away from the Sun to completely cover the sun.
- ❖ When this happens, it is called an annular eclipse.
- ❖ Since the surface of the Earth is curved, eclipses can go from annular to total and vice versa.
- ❖ This is called a hybrid eclipse or Ningaloo Eclipse.
- ❖ The hybrid solar eclipse not visible in India.

## Antineutrinos discovery

- ❖ Scientists accidentally discovered antineutrinos using extremely pure water for the first time.

- ❖ They originated from a nuclear reactor more than 240 kilometers (150 miles) away.
- ❖ This breakthrough promises neutrino experiments and monitoring technology that use inexpensive, easily acquirable and safe materials.
- ❖ Antineutrinos are the antimatter of neutrinos.
- ❖ They have an almost non-existent mass and charge and they rarely if ever interact with other particles.
- ❖ This makes them especially difficult to detect.
- ❖ They are produced as a by-product when neutrons separate into protons and electrons in nuclear reactors.



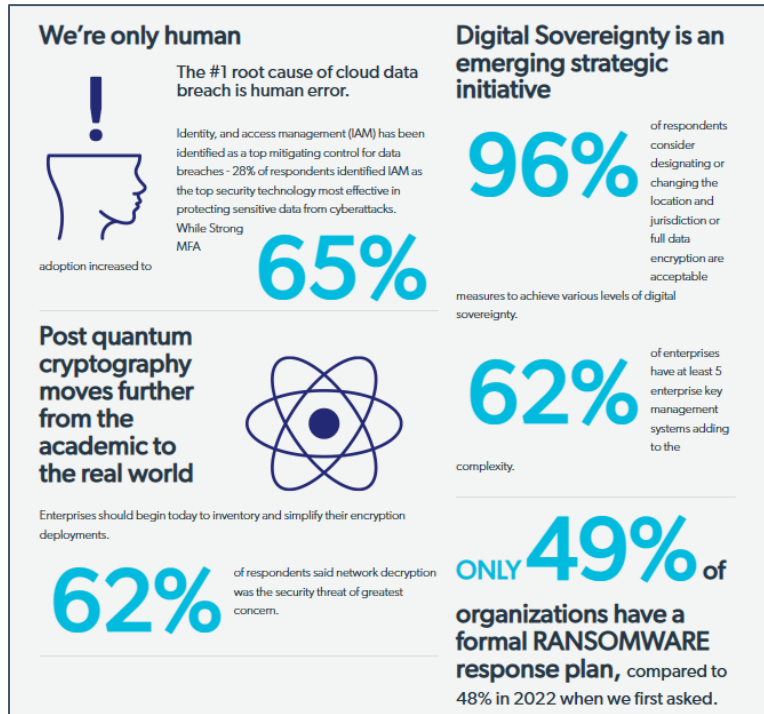
## REPORTS AND INDICES

### Thales Data Threat Report 2023

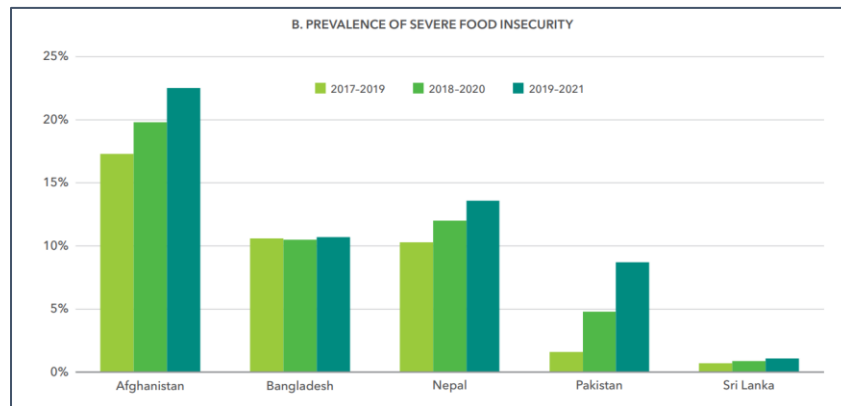
- ❖ This is a comprehensive analysis of cybersecurity trends and threats.
- ❖ In India, more than half (52%) of IT professionals reported a surge in ransomware attacks in the past one year.
- ❖ This is higher than the global figure of 48 percent.
- ❖ 53% of respondents in India said that their IoT devices were the biggest targets.
- ❖ It is followed by Cloud-based storage (41%) and Cloud delivered applications (SaaS) (40%).



- ❖ 82 percent of Indian respondents reported data loss from ransomware attacks, compared to 67 percent globally.



## Global Food Policy Report



- ❖ The International Food Policy Research Institute (IFPRI) released the Global Food Policy Report-2023.
- ❖ Rise in food insecurity during 2020-2022 due to multiple crises such as the COVID-19 pandemic, climate change, natural disasters along with civil unrest and political instability.
- ❖ 205 million people across 45 countries experienced crisis-level acute food insecurity or worse in 2022.

- ❖ 20% of Africa's population is food insecure and undernourished.
- ❖ Due to the climate change impact, as many as 72 million more people will be undernourished by 2050.
- ❖ Half of the world's population or around 3.83 billion people worldwide live in households reliant on agrifood systems-based livelihoods.

## STATES

### MGNREGA Person days generation for 4<sup>th</sup> year

| PDs generation Status |                |                       |                       |               |
|-----------------------|----------------|-----------------------|-----------------------|---------------|
| Sl. No.               | State          | 2022-23               | 2021-22               | Progress      |
| 1                     | 2              | 3                     | 4                     | 5             |
| 1                     | RAJASTHAN      | 34,87,05,653          | 42,42,89,686          | -17.81        |
| 2                     | TAMIL NADU     | 32,74,45,475          | 34,57,25,793          | -5.29         |
| 3                     | UTTAR PRADESH  | 30,70,68,005          | 32,56,41,088          | -5.70         |
| 4                     | ANDHRA PRADESH | 23,88,99,978          | 24,17,25,517          | -1.17         |
| 5                     | BIHAR          | 23,11,91,401          | 18,08,23,428          | 27.85         |
| 6                     | MADHYA PRADESH | 22,57,26,978          | 29,98,98,130          | -24.73        |
| 7                     | ODISHA         | 18,26,54,080          | 19,77,62,682          | -7.64         |
| 8                     | CHHATTISGARH   | 12,87,95,160          | 16,92,26,462          | -23.89        |
| 9                     | KARNATAKA      | 12,56,06,266          | 16,32,11,145          | -23.04        |
| 10                    | TELANGANA      | 11,85,80,875          | 14,57,92,686          | -18.66        |
| 11                    | KERALA         | 9,59,01,922           | 10,59,65,999          | -9.50         |
| 12                    | JHARKHAND      | 9,05,25,835           | 11,32,20,183          | -20.04        |
| 13                    | MAHARASHTRA    | 7,79,62,213           | 8,25,32,444           | -5.54         |
| 14                    | ASSAM          | 7,76,18,371           | 9,15,85,078           | -15.25        |
| 15                    | GUJARAT        | 4,64,64,332           | 5,68,01,298           | -18.20        |
| <b>Total</b>          |                | <b>2,90,93,06,921</b> | <b>3,63,19,42,687</b> | <b>-19.90</b> |

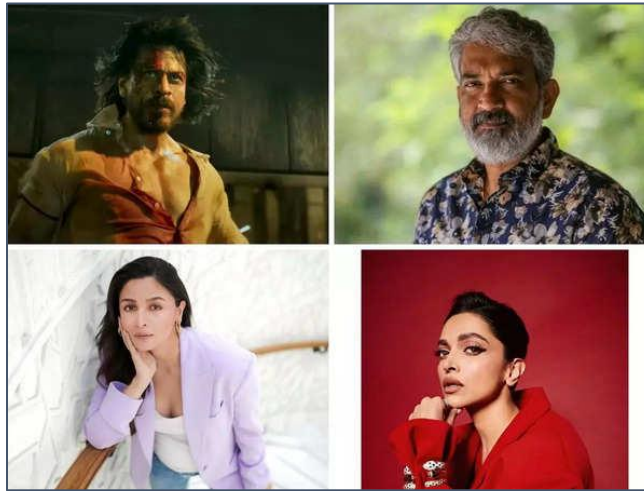
- ❖ Rajasthan topped the country in terms of person days generation under Mahatma Gandhi National Rural Employment Guarantee Scheme.
- ❖ This is the continuous fourth year for the state.
- ❖ In 2022-23, Rajasthan generated 35.61 crore person days at a total cost of Rs 10,175 crore under the scheme.
- ❖ Rajasthan is followed by Tamil Nadu (33.45 crore), Uttar Pradesh (31.18 crore), Andhra Pradesh (23.96 crore) and Bihar (23.69 crore) in terms of person days generation.

## PERSONALITIES, AWARDS, AND EVENTS

### 100 Most Influential People of 2023

- ❖ Shah Rukh Khan, topped the list of most influential people around the world in the 2023 TIME100 poll.
- ❖ In second place are the Iranian women who are protesting for their rights.

- ❖ In third place, were the healthcare workers who've been at the frontlines of the pandemic since 2020.
- ❖ Prince Harry and Meghan Markle took the fourth spot.
- ❖ Lionel Messi secured the fifth spot
- ❖ India's SS Rajamouli, Alia Bhatt and Deepika Padukone also have secured a place on the list.



## SPORTS

### Hero Intercontinental Cup 2023



- ❖ Hero Intercontinental Cup 2023 football tournament is to be held at Bhubaneswar in June month.



- ❖ India will play with Lebanon, Mongolia and Vanuatu in the tournament.
- ❖ The Indian Men's National Team had previously never played against Mongolia and Vanuatu.
- ❖ But Against Lebanon, India holds a record of playing six matches.
- ❖ This will be the third edition of the Hero Intercontinental Cup in India.
- ❖ The previous two being held in Mumbai (2018) and Ahmedabad (2019).

### **Wisden Almanack's cricketers**



- ❖ Surya kumar won the honour of Wisden Almanack's leading T20I cricketer.
- ❖ Harmanpreet Kaur became the first Indian woman to win the Cricketer of the Year award.
- ❖ She is one of the five Cricketers of the Year announced in the 2023 Wisden Cricketers' Almanack.

