

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



- ❖ 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

SALIENT POINTS OF ANIMAL BIRTH CONTROL RULES	
<ul style="list-style-type: none">➤ Local authority is responsible for deworming, vaccination, and sterilization of stray dogs➤ Local authority to ensure adequate facilities at each animal birth control centre➤ 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➤ Reasons for capturing stray dogs and guidelines for their sterilization, immunization and release using humane methods	
	<ul style="list-style-type: none">➤ Sterilization and immunization of domestic or feral cats➤ Guidelines for resolving complaints related to dog bites or rabid dogs➤ Progress reports on capturing, sterilization and vaccination of stray dogs to be submitted on a monthly and annual basis

- ❖ 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

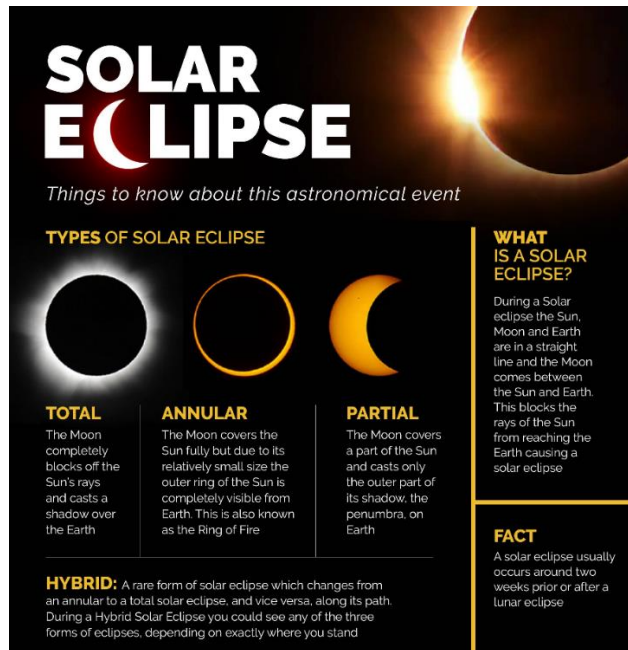
World first smart gun



- ❖ 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

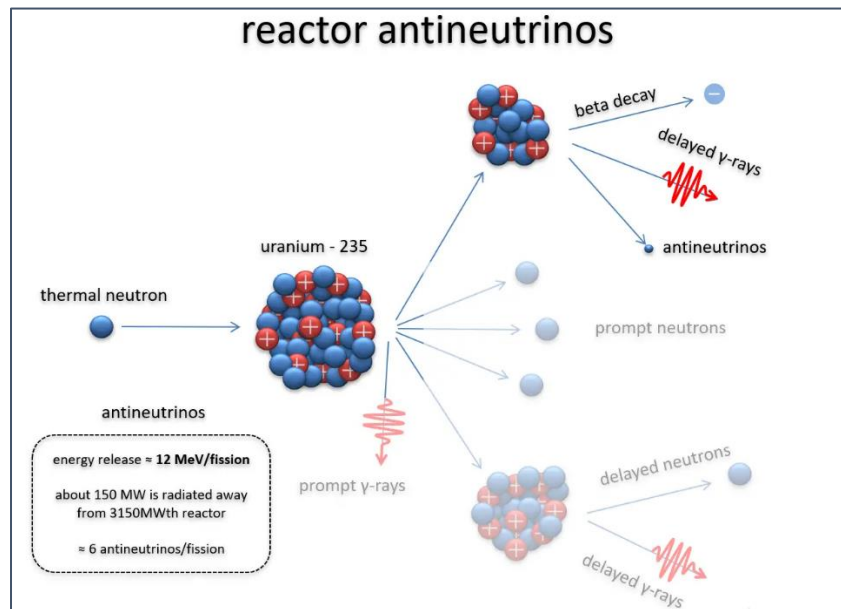


- ❖ During the eclipse, the Moon will pass between the Sun and the Earth.
- ❖ In the parts of the Earth that are in the dark part of the Moon's shadow will experience a total solar eclipse.
- ❖ But sometimes, the Moon is too far away from the Sun to completely cover the sun.
- ❖ When this happens, it 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.

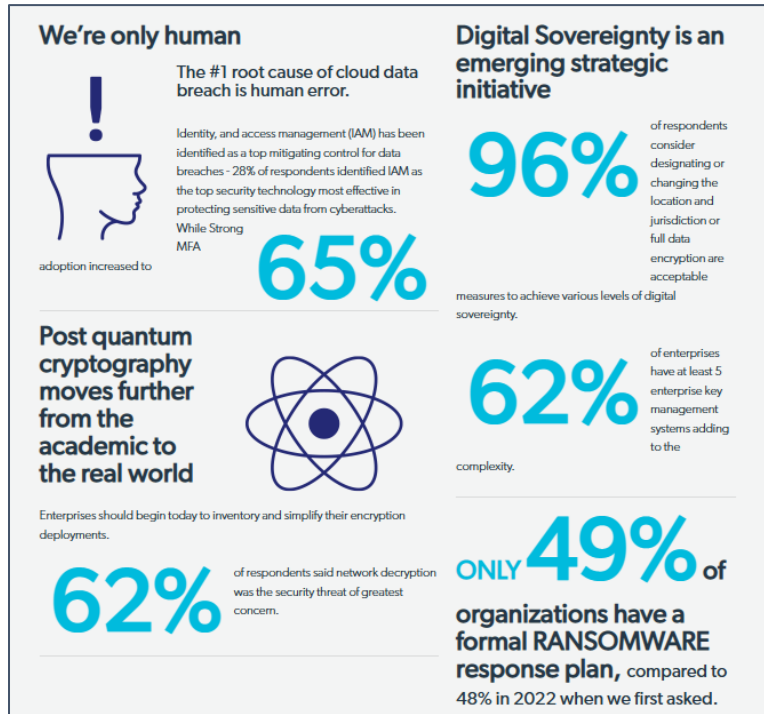


REPORTS AND INDICES

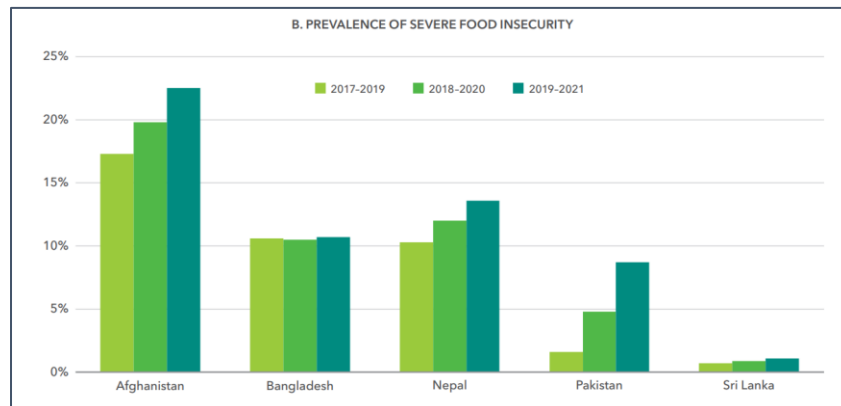
Thales Data Threat Report 2023

- ❖ 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 4th 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
Total		2,90,93,06,921	3,63,19,42,687	-19.90

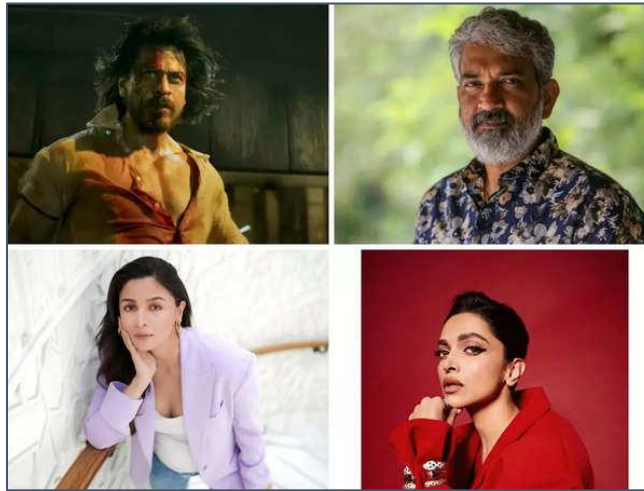
- ❖ Rajasthan topped the country in terms of person days generation under Mahatma Gandhi National Rural Employment Guarantee Scheme.
- ❖ This is the continuous fourth year for the state.
- ❖ In 2022-23, Rajasthan generated 35.61 crore person days at a total cost of Rs 10,175 crore under the scheme.
- ❖ 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.

