

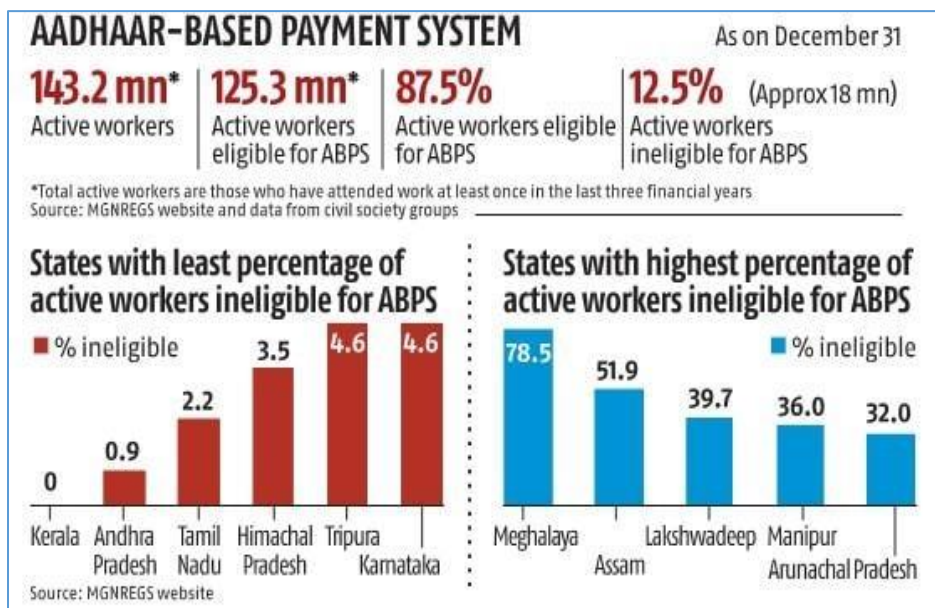
January - 08

## TNPSC BITS

- ❖ Tamil Nadu has included Village Cooking YouTube Channel, to showcasing its rural talent in the creative economy space in Global Investors Meet (GIM) 2024.
- ❖ Adidas is going to set up its first and only global capacity centre (GCC) in Asia outside China in Chennai.
- ❖ The Aviation major Boeing is signed a MoU to invest Rs 300 crore at its global engineering capability centre (GECC) in Chennai.
- ❖ North India's first industrial biotech park was inaugurated at Kathua in Jammu.
- ❖ The International Mind-Body Wellness Day is observed on January 3 to promote self-care, mindfulness, and healthy practices to make people aware of the mind-body connection.

## TAMIL NADU

### ABPS in Tamilnadu



- ❖ Tamil Nadu does not seem to be affected by the Centre's move of making Aadhaar-based payment system (ABPS) mandatory for the payment of wages under the MGNREGA.
- ❖ There are about 92.13 lakh active workers attached to 76.62 lakh active job cards.

- ❖ 90.3 lakh active workers (accounting for 98%) have been found to be falling under the category of “ABPS eligible” workers.
- ❖ The State has a total of 91.17 lakh job cards with about 1.25 crore workers.
- ❖ But, the number of active job cards is 76.62 lakh only.
- ❖ As for the State’s performance in generation of person days, Tamil Nadu stands first at the all-India level.

### New excavation sites in Tamilnadu



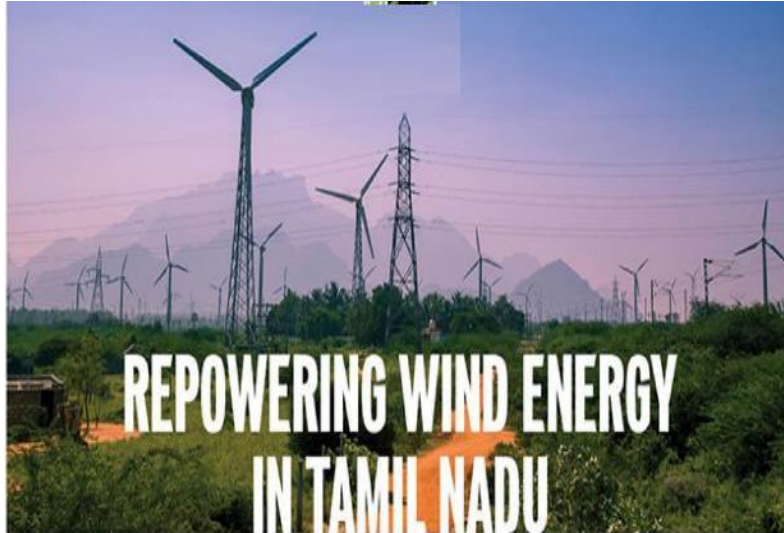
Site name	District	Reason for excavation
Thirumalapuram	Tenkasi	In search of evidence of <b>origin of high tin bronze</b>
Kongalnagaram	Tiruppur	Sangam age <b>artefacts and Tamil Brahmi script</b>
Marungur	Cuddalore	Evidence of <b>dating in Iron age</b>
Chennanur	Krishnagiri	<b>Neolithic period</b>

- ❖ Tamil Nadu has sought permission from the Archaeological Survey of India (ASI) for carrying out excavations in four new places this year.
- ❖ The four sites would be: Marungur in Cuddalore; Kongalnagaram in Tiruppur; Thirumalapuram in Tenkasi; and Chennanur in Krishnagiri districts.
- ❖ One of the significant findings last year was the discovery of 2,030 graffiti marks, including four with Tamil-Brahmi inscriptions, from Thulukarpatti in Tirunelveli district.

### Repowering policy for wind projects

- ❖ The State government unveiled a ‘Tamil Nadu Repowering and Life Extension Policy for Wind Power Projects’ at the Global Investors’ Meet.
- ❖ With the roll-out of the new policy, the State will regain the pole position in the wind energy sector, which it lost to Gujarat.
- ❖ Gujarat had an installed wind energy capacity of 11,176.12 MW as of November 30, 2023.
- ❖ Tamil Nadu’s installed wind energy capacity stood at 10,377.97 MW.

- ❖ Under the repowering project, wind energy generators replace old wind turbines with new ones.
- ❖ The total wind energy repowering potential of the country stands at 25,406 MW, of which Tamil Nadu has the largest share, at 7,387 MW.



## **NATIONAL**

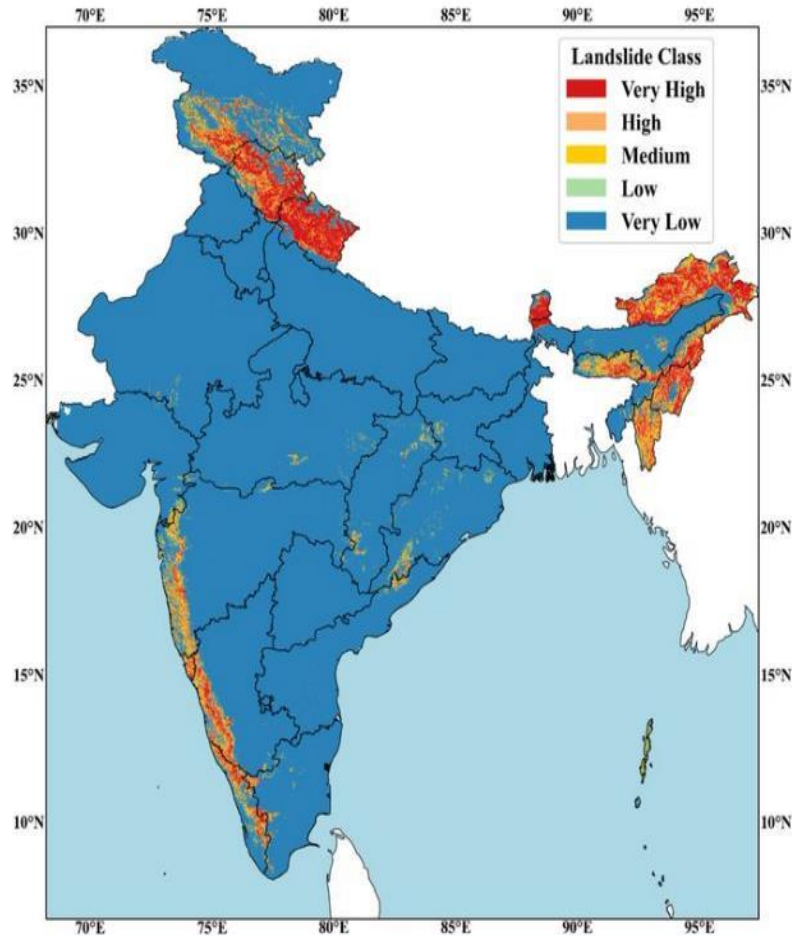
### **SMART 2.0**



- ❖ The Central Council for Research in Ayurvedic Sciences (CCRAS) along with National Commission for Indian System of Medicine (NCISM) has launched 'SMART 2.0' program.

- ❖ SMART stands for Scope for Mainstreaming Ayurveda Research among Teaching professionals.
- ❖ It aims to promote robust clinical studies in priority areas of Ayurveda with Ayurveda academic institutions/hospitals across the country through mutual collaboration.

### Indian Landslide Susceptibility Map



- ❖ IIT Delhi team makes first hi-resolution landslide risk map for India.
- ❖ This map is the first of its kind by virtue of being on a national scale, leaving out no locations in the country.
- ❖ It also revealed some previously unknown places with high risk, such as some areas of the Eastern Ghats, just north of Andhra Pradesh and Odisha.
- ❖ It can help identify the most dangerous areas and help allocate resources for mitigation strategies better.
- ❖ Landslides are a unique and deadly problem in India.



- ❖ Unlike floods, they are less widespread and harder to track and study with the satellites.
- ❖ Landslides happen in very localised areas and affect only about 1-2% of the country.

## SCIENCE AND TECHNOLOGY

### Zosurabalpin antibiotic

#### EXPERIMENTAL ANTIBIOTIC ZOSURABALPIN SHOWS PROMISE IN KILLING DRUG-RESISTANT BACTERIA

A NEW EXPERIMENTAL ANTIBIOTIC CALLED ZOSURABALPIN HAS SHOWN PROMISE IN KILLING DRUG-RESISTANT BACTERIA IN LAB EXPERIMENTS AND MICE. IT WORKS BY BLOCKING THE TRANSPORT SYSTEM OF THE BACTERIA, LEADING TO LETHAL TOXICITY. THE DRUG TARGETS GRAM-NEGATIVE BACTERIA, WHICH ARE NOTORIOUSLY DIFFICULT TO TREAT. ZOSURABALPIN HAS ALREADY ENTERED CLINICAL TRIALS AND COULD POTENTIALLY BECOME A MUCH-NEEDED NEW ANTIBIOTIC IN THE FIGHT AGAINST DRUG-RESISTANT INFECTIONS.

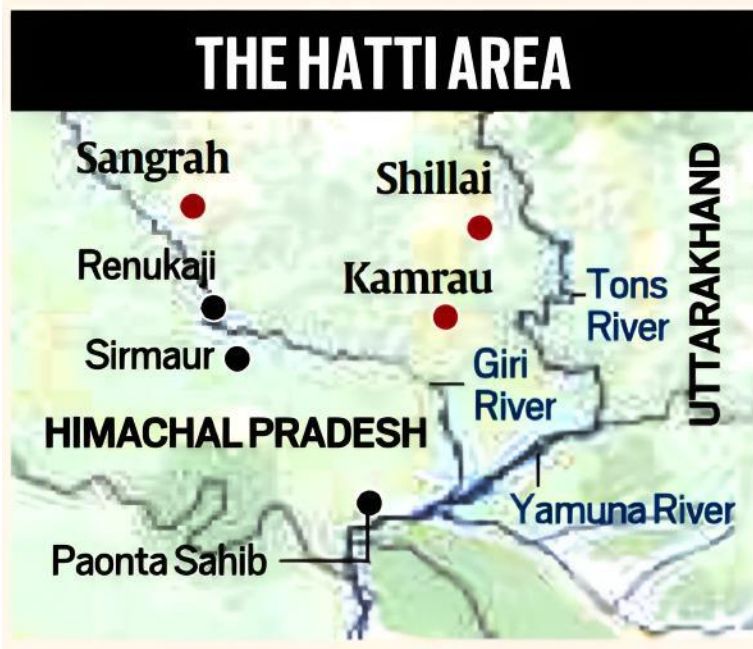
- ❖ Researchers have identified a new class of antibiotics with the potential to tackle a drug-resistant bacterium, *Acinetobacter baumannii*.
- ❖ Zosurabalpin was found to be effective against CRAB (carbapenem-resistant *Acinetobacter baumannii*)-induced pneumonia and sepsis in mouse models.
- ❖ CRAB was at the top of the World Health Organization's list of antibiotic-resistant "priority pathogens" in 2017.
- ❖ It's more common in Asia and the Middle East and causes up to 20% of infections in intensive care units worldwide.

## STATES

### ST status to the Hattee community

- ❖ Himachal Pradesh has issued notification to give Scheduled Tribe (ST) status to the Hattee community of Trans-Giri area of Sirmour district.
- ❖ This had led to significant outrage from Sirmour district's Gujjar community, the only other ST community in the area.
- ❖ But the Himachal Pradesh high court has issued an interim order staying the notification.
- ❖ The Centre had already rejected this demand thrice, in 1995, 2006 and 2017.
- ❖ The residents of the Trans-Giri area were demanding ST status on the lines of the Jaunsar-Bawar area of Uttarakhand granted in 1967 itself.

- ❖ Both Trans-Giri and Jaunsar Bawar area had remained part of erstwhile Sirmaur princely state and have similarity in all aspects.



### GI tags for over 17 products

State	Products
Arunachal Pradesh	Wancho Wooden Craft Adi Kekir (Ginger) Handmade Carpets
West Bengal	Tangail Saree Garad Saree Korial Saree Kalonunia Rice Sundarban Honey
Odisha	Dhenkanal Magji Khajuri Guda Similipal Kai Chutney Nayagarh Kanteimundi Brinjal Dongaria Kondh Embroidery Shawl Koraput Kalajeera Rice Lanjia Saura Paintings
Gujarat	Kachchhi Kharek
Jammu & Kashmir	Ramban Anardana

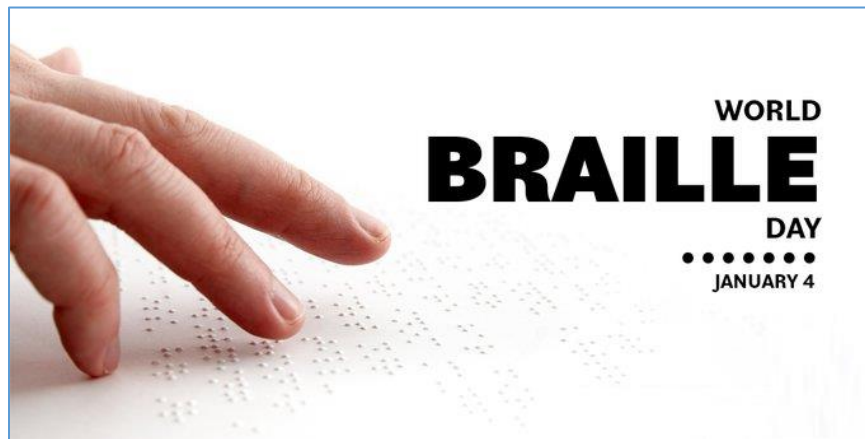
- ❖ Over 17 products from Odisha, Arunachal Pradesh, West Bengal, and J&K bagged the Geographical Indication tag.

- ❖ A total 504 items from different parts of the country have had the tag so far since 2004.
- ❖ The first product in India to be accorded with GI tag was Darjeeling Tea in the year 2004-05.

## IMPORTANT DAYS

### World Braille Day 2024 - January 04

- ❖ This will be honouring Braille's importance as a communication tool for blind and partially sighted individuals.
- ❖ Louis Braille was born in Coupvray, close to Paris, on January 4, 1809.
- ❖ He created a reading and writing system based on Charlie Barbier's night writing system which is known today as braille.
- ❖ Braille is a tactile representation of alphabetic and numerical symbols using six dots.
- ❖ They can represent each letter and number and even musical, mathematical and scientific symbols.



## MISCELLANEOUS

### Plastic-like films for packaging

- ❖ The Indian Institute of Technology – Bombay (IIT-B) has developed plastic-like films for the packaging industry that can degrade into harmless components.
- ❖ This is a combination of non-toxic, edible sugar-based or fat-based biopolymers approved by the Food Safety and Standards Authority of India.
- ❖ It can degrade in about a week or a month.

- ❖ High-density polyethylene (HDPE) is the standard non-degradable plastic barrier film.
- ❖ It is used for both consumer goods and food, by most packaging industries in India and overseas.



### **10<sup>th</sup> century Kadamba Inscription**



- ❖ An inscription written in Kannada and Sanskrit and said to be of 10th century A.D. Kadamba period has been discovered in the Mahadeva temple at Cacoda in southern Goa.
- ❖ It is in the literary style of Talangre inscription of Jayasimha I of the same period.
- ❖ The Kadambas of Goa were the subordinates of Chalukyas of Kalyana.
- ❖ Chalukyan emperor Tailapa II has appointed Kadamba Shasthadeva as maha mandaleshwara of Goa for his help in overthrowing the Rashtrakutas.





- ❖ Kadamba Shasthadeva conquered the city of Chandavara from the Shilaharas in 960 A.D.

