

December - 29

## TNPSC BITS

- ❖ Geta Sora of Arunachal Pradesh won the under-9 category of the Top Arena Junior International Badminton Championship in Malaysia.
- ❖ The Unique Identification Authority of India (UIDAI) has bagged a top data security award for best practices in the government sector.
- ❖ The UIDAI Headquarter in New Delhi has won the prestigious GRIHA Exemplary Performance Award 2022, a top national level Green Building Award.
- ❖ Bollywood actor Shah Rukh Khan has become the only Indian to be named in an international list of 50 greatest actors of all time by a prominent British magazine.
- ❖ The Reserve Bank of India (RBI) emerged as the second-largest buyer of yellow metal after Central Bank of Thailand, among the world's Central Banks in 2021.

## NATIONAL

### **Audit of 'physical and functional access'**

- ❖ Chief Justice of India D Y Chandrachud has constituted a judge-led committee to conduct an audit of “physical and functional access”.
- ❖ It aims to make top court premises as disabled friendly.
- ❖ The ‘Supreme Court Committee on Accessibility’ was headed by Justice S Ravindra Bhat.

### **Encroached Centrally Protected Monuments**

- ❖ India has a total of 3,695 Centrally Protected Monuments or Sites in the country.
- ❖ A total of 356 centrally protected monuments have been illegally encroached into across India.
- ❖ This is an increase from the 2019 figure of 321 protected monuments that have been infringed.
- ❖ Uttar Pradesh has the largest number (743) of centrally protected monuments
- ❖ Tamil Nadu has the second-highest number (412) of centrally protected monuments.
- ❖ Same time, they have the high number of that have been illegally encroached viz. Uttar Pradesh (75) and Tamil Nadu (74).

- ❖ They are followed by Karnataka and Maharashtra with 48 and 46 monuments respectively.
- ❖ Centrally Protected Monuments are those that are protected under the Ancient Monuments and Archaeological Sites and Remains Act, 1958.
- ❖ Under amended Act 2010, construction activities are prohibited within 100 meters of a centrally protected monument.
- ❖ Construction within 100 - 200 meters of these structures is strictly regulated.

**Slow seige**  
The removal of encroachments is a continuous process and action is being taken by the Archaeological Society of India, the Culture Ministry said in Parliament



Temporary structures set up in the premises of the Fort Gateway (Main Guard Gate) in Tiruchi.

**States with the most number of monuments encroached upon**

■ Uttar Pradesh: 75
■ Tamil Nadu: 74
■ Karnataka: 48
■ Maharashtra: 46
■ Gujarat: 35
■ Rajasthan: 22

## **INTERNATIONAL**

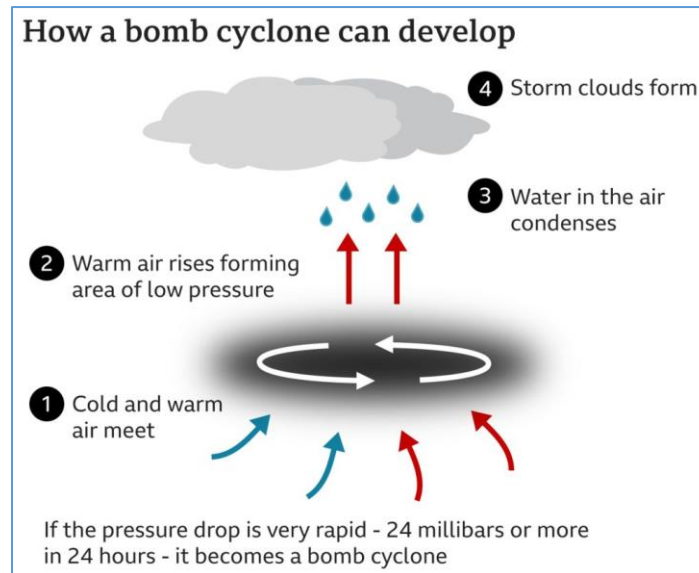
### **New gender recognition Bill**

- ❖ Scotland government passed the gender recognition law to introduce a self-identification system for people who want to change their gender.
- ❖ The law brings sweeping reforms to the system through which people obtain their gender recognition certificate (GRC).
- ❖ Currently, they have to apply to a UK gender recognition panel and must present two medical reports.

- ❖ Under the new gender recognition law, applications will be made to the Registrar General for Scotland instead of the UK panel.

### **Bomb Cyclone Winter Storm**

- ❖ A wild winter storm hit much of the US and bringing blizzards, freezing rain, flooding and intense cold close to record lows.
- ❖ Storms can form when a mass of low-pressure air collides with a mass of high-pressure air.
- ❖ Winds are formed when air flows from high pressure to low pressure.
- ❖ A bomb cyclone is defined by how quickly the pressure in the low-pressure mass drops — at least 24 millibars in 24 hours.
- ❖ This rapidly increases the pressure difference, or gradient, between the two air masses, increasing the strength of the winds.
- ❖ This rapid intensification is known as bombogenesis.
- ❖ In the Northern Hemisphere, the direction is anticlockwise (when viewed from above).



## **SCIENCE AND TECHNOLOGY**

### **Artificial Heart**

- ❖ IIT Kanpur has developed an artificial heart that would be of great help to people with acute cardiac problems.
- ❖ These Artificial hearts can be implanted in serious patients.

- ❖ After success in the trial, transplantation can be done in humans in the next two years.



## ENVIRONMENT

### Data on polluted rivers

- ❖ This report was released by the Central Pollution Control Board (CPCB)
- ❖ The number of polluted stretches in India's rivers has fallen from 351 in 2018 to 311 in 2022.
- ❖ Tough the number of most polluted stretches is practically unchanged.
- ❖ No change/ slight change in the Priority I & II category of polluted river stretches.

## STATES

### Losar Festival



- ❖ Ladakh celebrated Losar Festival to mark the Ladakhi New Year.
- ❖ The Losar Festival or the Ladakhi New year is a major socio-religious festival of Ladakh celebrated during winter.
- ❖ The Losar Festival will continue for nine days from the new year.
- ❖ They will also dance and sing in honour of Ibex and the pilgrimage of Mount Kailash.

## **PERSONALITIES, AWARDS, AND EVENTS**

### **3<sup>rd</sup> ASEAN-India Grassroots Innovation Forum**

- ❖ The 3<sup>rd</sup> ASEAN-India Grassroots Innovation Forum as well as the second Government Meeting held in Cambodia.
- ❖ Shalini Kumari from Bihar received the first prize for her innovation 'Modified Walker with Adjustable Legs' at the grassroots innovation competition at this event.
- ❖ The second and third prizes were won by grassroots innovators from the Philippines and Myanmar, respectively.
- ❖ The first two forums were held in Indonesia (2018) and the Philippines (2019) respectively.



### **VinFuture special prize**

- ❖ Indian scientist Professor Thalappil Pradeep from IIT-Madras received VinFuture special prize- 2022 in Hanoi Vietnam.
- ❖ He was awarded for innovation of a low-cost filtration system to remove arsenic and other heavy metals from groundwater.



- ❖ He was earlier conferred with the Padma Shri in honour of his work to develop affordable and safe drinking water solutions using nanomaterials.



### **First Rohini Nayyar prize**



- ❖ Sethrichem Sangtam was awarded the first Rohini Nayyar prize for outstanding contribution to rural development.
- ❖ He helped triple the incomes of 1,200 marginalised farmers in Eastern Nagaland through his organisation 'Better Life Foundation'.
- ❖ The prize awarded to an individual 40 years or under in age.

- ❖ The prize will be given out annually by the Nayar Foundation for Social and Economic Purpose, set up to contribute to the social and economic development in India.

## SPORTS

### World's Highest Paid Female Athletes 2022 list

- ❖ PV Sindhu has been ranked at number 12 in the World's Highest Paid Female Athletes 2022 list of Forbes.
- ❖ Sindhu is also the only Indian in the World's Highest Paid Female Athletes 2022 list.
- ❖ Japanese tennis star Naomi Osaka tops the list.
- ❖ She is followed by Serena Williams.



### FIFA world rankings 2022

Latest FIFA rankings December 2022			
Rank	Nation	Confederation	Last (Move)
1.	Brazil	CONMEBOL	—
2.	Argentina	CONMEBOL	3rd (+1)
3.	France	UEFA	4th (+1)
4.	Belgium	UEFA	2nd (-2)
5.	England	UEFA	—
6.	Netherlands	UEFA	8th (+2)
7.	Croatia	UEFA	12th (+5)
8.	Italy	UEFA	6th (-2)
9.	Portugal	UEFA	—
10.	Spain	UEFA	7th (-3)



- ❖ Brazil holds on to their No. 1 spot and 22<sup>nd</sup> FIFA Men's World Cup 2022 Champions Argentina ranked 2<sup>nd</sup> place.
- ❖ Morocco has improved from 22<sup>nd</sup> to 11<sup>th</sup> in the FIFA world ranking.
- ❖ India was placed on 106<sup>th</sup> place.

