

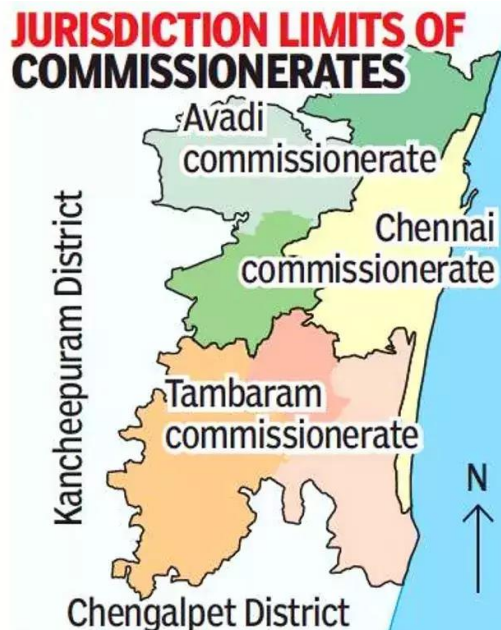
January - 05

## TNPSC BITS

- ❖ Assistant professor Subodh G of Kerala University and research scholar Vidhya Lalan have developed fifth-generation (5G) microwave absorbers.
  - The development of 5G microwave absorbers could act as an effective shield against electromagnetic radiations.
- ❖ Coronavirus vaccinations for those between 15-18 years of age begins from January 3rd.
  - Those with the birth year 2007 or before will be eligible for vaccination under this category.
- ❖ Mumbai water taxi services are starting in January 2022.
  - They are expected to provide connectivity between the Domestic Cruise Terminal at Ferry Wharf and the terminals at Belapur and Nerul.

## TAMIL NADU

### New Police Commissionerate

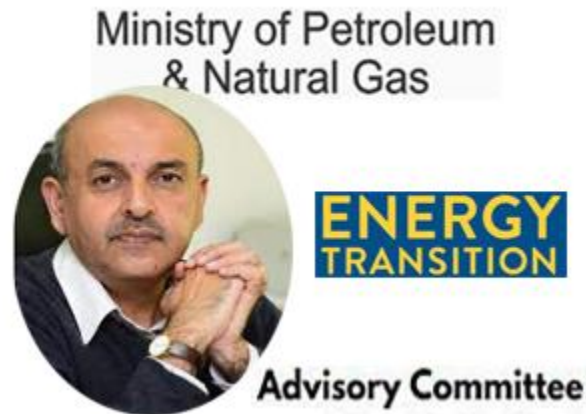


- ❖ Chief Minister M.K. Stalin formally inaugurated new police Commissionerate in Tambaram and Avadi.
- ❖ These have been carved out of the Greater Chennai City Police jurisdictions.

- ❖ Senior IPS officers M. Ravi and Sandeep Rai have been posted as Commissioners of Police of Tambaram and Avadi.

## NATIONAL

### Energy Transition Advisory Committee



- ❖ The Energy Transition Advisory Committee was formed by the Ministry of Petroleum and Natural Gas.
- ❖ It is headed by Tarun Kapoor, former Secretary of Petroleum Ministry.
- ❖ It will focus on increasing the share of clean energy sources such as hydrogen, biofuel, nuclear, geothermal, tidal in the energy mix of the country.
- ❖ It was formed,
  - To help India achieve its net-zero emission target by 2070.
  - To create an energy transition road map (within 6 months).
  - To create a step-by-step plan for moving from fossil fuels to green energy.
  - The committee will primarily focus on biofuel and green hydrogen of all the clean energies

### Syrphid flies

- ❖ It is a new species recently discovered in India.
- ❖ Along with *Monoceromyia flavoscutata*, researchers also found *Monoceromyia nigra*.
- ❖ These newly discovered species were classified as a new type of Syrphid flies.
- ❖ *Monoceromyia flavoscutata* was discovered in the Dindigul district of Tamil Nadu.
- ❖ *Monoceromyia nigra* was discovered in the Bastar district of Arunachal Pradesh.



### **Major Dhyan Chand Sports University**



- ❖ Prime Minister Narendra Modi lays the foundation stone of Major Dhyan Chand Sports University in Meerut.
- ❖ The University will be established in the Salawa and Kaili villages of Sardhana town in Meerut.
- ❖ The University will have the capacity of training 1080 sportspersons including 540 female and 540 male sportspersons.

### **Trincomalee oil tank farm**


- ❖ Recently, Sri Lanka announced that the Indian Oil Subsidiary Lanka IOC would be given a 49% stake in the joint development of the Trincomalee Oil Tank farm, with Ceylon Petroleum Corporation keeping 51%.
- ❖ If it goes according to plan, India and Sri Lanka would have finally achieved the implementation of an agreement contained in an exchange of letters between them

Prime Minister Rajiv Gandhi and Sri Lankan President J R Jayawardene as part of the annexure to the India-Sri Lanka Accord of July 29, 1987.


- ❖ Trincomalee is the nearest port to Chennai.

**INDO-LANKA ACCORD**

The Indo-Sri Lanka Peace Accord was an accord signed in Colombo on July 29, 1987, between Indian Prime Minister Rajiv Gandhi and Sri Lankan President J.R. Jayewardene.



- ⊙ The accord was expected to resolve the ongoing Sri Lankan civil war. Under the terms of the agreement, Colombo agreed to a devolution of power to the provinces, the Tamil rebels were to disarm.
- ⊙ The Indo-Sri Lanka Accord also underlined the commitment of Indian military assistance on which the Indian Peace Keeping Force came to be inducted into Sri Lanka.



### **Indo-Lanka Accord**

- ❖ It is popularly referred to as the Rajiv-Jayewardene Accord.
- ❖ It was signed in 1987 on the pretext of the Civil War in Sri Lanka (between Tamils and the Sinhala community).
- ❖ The accord sought to balance India's strategic interests, the interest of people of Indian origin in Sri Lanka, and Tamil minority rights in Sri Lanka.
- ❖ The accord saw the placement of the Indian Peace Keeping Force (IPKF) in Sri Lanka to resolve the Sri Lankan Civil War.
- ❖ The accord also resulted in the enactment of the thirteenth Amendment to the Constitution of Sri Lanka and the Provincial Councils Act of 1987.

### **Digi Zone**

- ❖ Life Insurance Corporation (LIC) of India has inaugurated "Digi Zone", at Bandra Kurla Complex, Mumbai.
- ❖ LIC's Digi Zone can be used by the customers to purchase policies online, pay the premium, and avail of other services.

- ❖ LIC will offer information related to its products and services through kiosks installed on the Digi Zone premises.



### **One Nation One Grid One Frequency**



- ❖ The Power Grid Corporation of India Ltd (PGCIL) celebrates the first anniversary of One Nation-One Grid-One Frequency.
- ❖ One Nation One Grid shall synchronously connect all the regional grids and there will be one national frequency (frequency band of 49.90-50.05 Hz).
- ❖ Synchronization of all regional grids will help in optimal utilization of scarce natural resources by transfer of Power from Resource centric regions to Load centric regions.

- ❖ Further, this shall pave way for establishing a vibrant Electricity market facilitating trading of power across regions.

## IndiGau Chip



The infographic features the logos of NIAB (National Institute of Animal Biotechnology) and the Department of Biotechnology, Government of India. The main title is 'DBT-NIAB DEVELOPS IndiGau SNP Chip to Conserve Germplasm of Indigenous Cow Breeds'. It lists three key points: 1) IndiGau is the largest cattle chip of the world with 11,498 markers (SNPs) more than that on famous 777K Illumina chip of US & UK breeds. 2) Till now, Indian researcher and dairy development programs have been referring to SNP chips which are developed for foreign western breeds of cattle. 3) This chip will help in analysing all breeds of cows and help in identifying pure undisturbed germ plasm of cows and bulls which can be segregated to conserve pure varieties of cattle like, Gir, Kankrej, Sahiwal, Ongole etc. An image of the chip is shown in a tray, labeled 'IndiGau SNP Chip'. At the bottom, there are social media handles for dbtindia.gov.in, /dbtIndia, @dbtIndia, and @dbtIndia.

- ❖ IndiGau is the world's largest cattle genomic chip launched by the National Institute of Animal Biotechnology (NIAB), Hyderabad.
- ❖ IndiGau is India's first Single Nucleotide Polymorphism (SNP) based chip.
- ❖ It is used for the conservation of pure varieties of indigenous cattle breeds like, Gir, Kankrej, Sahiwal, Ongole, etc.
- ❖ This chip will have practical utility in the Governments schemes to achieve the goal of conservation of our own breeds with better characters and help towards doubling of farmers' income by 2022.

## STATES

### Battery-powered electric boat

- ❖ In Kerala, the first battery-powered electric boat built for the Kochi Water Metro Project was handed over to the Kochi Metro Rail Limited.
- ❖ The fully air-conditioned boat was built by the Cochin Shipyard.
- ❖ The battery-powered water metro boat can carry 100 passengers.

## PERSONALITIES, AWARDS, AND EVENTS

### Sir Tony Blair

- ❖ Former British Prime Minister Tony Blair has been awarded a knighthood by Queen Elizabeth II and

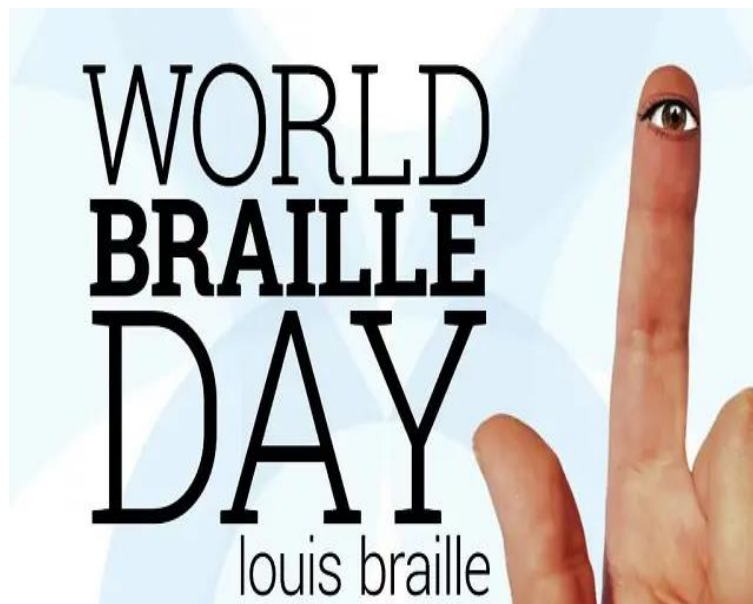


- ❖ Hence, he become to be known as Sir Tony.
- ❖ Blair has been appointed as a member of the Order of the Garter.
- ❖ It is England's oldest and most senior honour which is made as a personal choice of the monarch.



## IMPORTANT DAYS

### World Braille Day – January 04



- ❖ Braille is a tactile representation of alphabetic and numerical symbols using six dots to represent each letter and number, and even musical, mathematical, and scientific symbols.
- ❖ Braille (named after its inventor in 19th century France, Louis Braille) is used by blind and partially sighted people to read the same books and periodicals as those printed in a visual font.
- ❖ Before the existence of the Braille system, the Haüy system was being used by blind and partially visually impaired people for reading purposes.



- ❖ The date for the event was chosen by the United Nations General Assembly via a proclamation in November 2018.
- ❖ It marks the birthday of Louis Braille.

