

May - 07

## TNPSC BITS

- ❖ Around eight Asiatic lions have tested positive for COVID-19 at Hyderabad Nehru Zoological Park.
  - This is the first time that transmission of virus to animal has been detected in India.
- ❖ Former Jammu and Kashmir Governor, Jagmohan Malhotra has passed away.
  - Jagmohan served two terms as Jammu and Kashmir Governor, once from 1984 to 1989, and then from January 1990 to May 1990.

## TAMIL NADU

### Tamilnadu governor dissolves 15th assembly

- ❖ The Governor of Tamil Nadu accepted the resignation of Chief Minister Thiru Edappadi K Palaniswami and his Council of Ministers, with effect from the afternoon of 3.5.2021.
- ❖ However, Mr Purohit requested him and the present Council of Ministers to continue until alternative arrangements are made
- ❖ The Governor has dissolved the 15th (2016-21) Tamil Nadu Legislative Assembly (May 3, 2021).

## NATIONAL

### Roadmap 2030

- ❖ The Indian Prime Minister Narendra Modi and the UK Prime Minister Boris Johnson held a virtual bilateral summit.
- ❖ During the summit, the leaders adopted an ambitious “Roadmap 2030”.
- ❖ This will help to elevate the bilateral ties between the countries.

### Key points

- ❖ India and UK agreed to work closely in the development of India’s indigenous Light Combat Aircraft Mark 2.
- ❖ They will work together to ensure ambitious outcome at the COP26.
- ❖ The roadmap will expand India-UK health partnership.



- ❖ The leaders agreed to remove the trade barriers between the countries and begin the negotiations of Free Trade Agreement.
- ❖ They are implementing “India-UK Together” (SAATH-SAATH).
- ❖ It is a joint cultural exchange programme.
- ❖ There is also to be an increase collaboration to accelerate development of GIFT city.

### **100 Most valued Indian firms - SAIL**

- ❖ The stock of SAIL increased to a nine year high of Rs 135.60 on the BSE.
- ❖ In the last six weeks, the stocks of SAIL have increased by 85%.
- ❖ It has entered the hundred most valued Indian firms list.
- ❖ SAIL is Steel Authority of Indian Limited.
- ❖ It operates under Ministry of Steel.
- ❖ It has five large integrated steel plants, namely
  - Rourkela steel plant,
  - Bhilai Steel plant,
  - Durgapur steel plant,
  - IISCO and
  - Bokaro Steel plant.
- ❖ It also has three special steel plants namely
  - Visvesvaraya iron and steel plant,
  - Salem Steel plant,
  - Alloy steel plant and Ferri Alloy plant at Chandrapur.

### **Mobile operators to conduct 5G trials**

- ❖ The Department of Telecommunications recently allowed mobile operators to conduct 5G trials.
- ❖ The Telecom Department has allowed Reliance Jio, Bharti Airtel, Vodafone Idea and MTNL to conduct trials using 5G technology.
- ❖ These service providers have tied up with original equipment manufacturers such as Nokia, Ericsson, Samsung.
- ❖ The Reliance Jio is to conduct trials using its own technology.
- ❖ The Chinese companies have been kept out of the trials.

## INTERNATIONAL

### **PepsiCo Foundation partnered with SEEDS**

- ❖ PepsiCo Foundation has partnered with the not-for-profit organisation, Sustainable Environment and Ecological Development Society (SEEDS).
- ❖ This partnership is to launch a community COVID-19 vaccination drive and set up COVID care centres.
- ❖ This is to focus on Maharashtra, Punjab, West Bengal, Uttar Pradesh, and Telangana.
- ❖ As part of the partnership, SEEDS will drive Covid-19 vaccinations for the community at large, set up Covid care centres equipped with beds and medical facilities, including oxygen cylinders.



## SCIENCE AND TECHNOLOGY

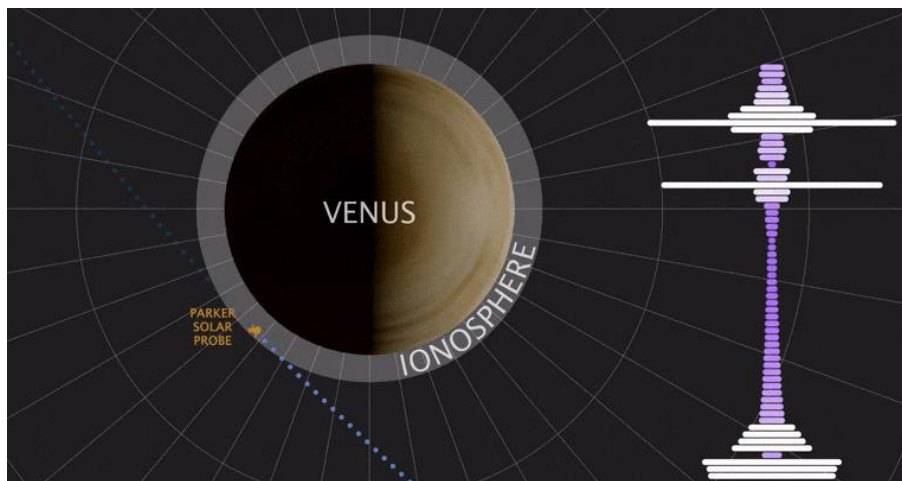
### **Millisecond pulsars discovered**

- ❖ A group of astronomers have discovered 8 milli second Pulsars.
- ❖ These pulsars are located within the dense clusters of stars called the “Globular Clusters”.
- ❖ The Pulsars were discovered using the MeerKAT telescope located in South Africa.
- ❖ The Milli second pulsars are the most compact stars known to mankind.

- ❖ The Milli second pulsars are made of neutrons.
- ❖ Their mass is hundreds of thousands of times the mass of the earth.
- ❖ They emit beams of radio waves.

### Radio signal from Venus

- ❖ The NASA Spacecraft Parker Solar Probe has discovered a natural radio signal from Venus.
- ❖ These signals were detected when the space probe flew over the upper atmosphere of Venus.
- ❖ The Parker Solar probe has measured the Venusian atmosphere.
- ❖ According to the findings of Parker Solar Probe, just like the earth, planet Venus also has an electrically charged layer of gas in its upper atmosphere called the ionosphere.



- ❖ The radio signal was picked up by the probe from a sea of charged particles in this layer.
- ❖ Also, the space probe has confirmed that the upper Venus atmosphere undergoes changes over a solar cycle.

### Solar Cycle

- ❖ The sun is a huge ball of electrically charged hot gas.
- ❖ This gas moves generating powerful magnetic field.
- ❖ The magnetic field of the sun undergoes changes every eleven years.
- ❖ This is called solar cycle.

## **Mayflower 400**

- ❖ Mayflower 400 is the world's first Artificial Intelligence ship.
- ❖ The ship is to study marine pollution and analyse plastics in water.
- ❖ It navigates with complete autonomy.
- ❖ Mayflower 400 helps to study the rough seas where sailors get sick at sea or a storm might strike them down.

## **STATES**

### **Bones of Sauropods dinosaur in Meghalaya**

- ❖ The researchers in the Geological Survey of India recently found fossil bone fragments of Sauropod dinosaurs.
- ❖ They were 100 million years old.
- ❖ These dinosaur bones were found in West Khasi hills in the district of Meghalaya.
- ❖ This is the first record of the Sauropods discovered in the region.





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

### **UNESCO World Press Freedom Prize 2021**

- ❖ Maria Ressa has been named as the 2021 laureate of the UNESCO/Guillermo Cano World Press Freedom Prize.
- ❖ The \$25,000 prize “recognizes outstanding contributions to the defence or promotion of press freedom especially in the face of danger,” according to UNESCO.
- ❖ The prize was named after Guillermo Cano Isaza, the Colombian journalist.

## **IMPORTANT DAYS**

### **International No Diet Day - May 06**

- ❖ The symbol of International No Diet Day is a light blue ribbon.
- ❖ It is an annual celebration of body acceptance, including fat acceptance and body shape diversity.
- ❖ The day is dedicated to promoting a healthy lifestyle with a focus on health at any size and in raising awareness of the potential dangers of dieting and the unlikelihood of success.

