



April - 16

## **TAMIL NADU**

### **New Chairman of TNPSC**

- ❖ The Tamil Nadu government has appointed senior IAS officer Ka. Balachandran as the chairperson of the Tamil Nadu Public Service Commission (TNPSC).
  - The Current Chairperson is Arulmozhi.

## **NATIONAL**

### **CollabCAD initiative**

- ❖ The NITI Aayog, Atal Innovation Mission (AIM) and National Informatics Centre jointly launched CollabCAD initiative.
- ❖ The initiative aims to provide a platform to find solutions in terms of 2D drafting and 3D product design.
- ❖ The initiative aims to provide platform for the students of Atal Tinkering Labs to create and modify 3D designs.

### **Lockdown extension**

- ❖ Prime Minister Narendra Modi launched “Saptapdi” to fight against COVID-19.
- ❖ Saptapadi is seven mantras to fight against the virus.
- ❖ The States such as Tamilnadu, Punjab, Telangana, Odisha, West Bengal and Karnataka extended their lock down to April 30, 2020.
- ❖ On the other hand, the centre has extended the lock down till May 3, 2020.
- ❖ The law and order of the public is a state subject and lies with the State Government.
- ❖ Thus, the state governments have announced different date.
- ❖ However, the centre has ordered lock down under Disaster Management Act, 2005.
- ❖ In order to do so, the centre declared COVID-19 as “notified disaster”.

## ECONOMY

### Helicopter Money

- ❖ Helicopter Money is a solution being suggested by economic specialists all over the world.
- ❖ It was the term framed by an American Economist Milton Friedman.
- ❖ It is the monetary policy tool used for Quantitative Easing.
- ❖ It aims to dump money into a struggling economy.
- ❖ It is extension of non-repayable money towards state and central governments from central bank.
- ❖ It intends to make more money available for the people to induce them to spend more.



### World Bank on India

- ❖ India is likely to record its worst growth performance since the 1991 liberalisation this fiscal year.
- ❖ India's economy is expected to grow 1.5 per cent to 2.8 per cent in the 2020-21 fiscal.
- ❖ The slow growth will be the result of a Coronavirus outbreak.
- ❖ The World Bank said the above observations in its South Asia Economic Focus report.
- ❖ It estimated India will grow 4.8 per cent to 5 per cent in the 2019-20 fiscal.

## SCIENCE AND TECHNOLOGY

### Primordial Black Holes (PBH)

- ❖ A recent study on Primordial black holes has confirmed that the marginal rise in potential energy resulted in birth of several PBHs and also emitted very powerful gravitational waves.
- ❖ Primordial Black Holes (PBH) were formed during the Hot Big Bang phase.
- ❖ PBH can be massively large as 3000 kms or be extremely tiny like nucleus of an atom.
- ❖ It is believed that they are formed as a result of collapsing radiations as opposed to the collapse of massive stars, which is the case of any other black holes.
- ❖ Primordial black holes were born as a result of a tiny bump in the potential energy levels of the universe, at a time when it was expanding rapidly.
- ❖ After big bang the universe had expanded to nearly  $10^{27}$  times its original size.
- ❖ It occurred within just fraction of a second by the time Cosmic Inflation phase concluded.
- ❖ Thereafter, the remnant energy possessed by gravitational force got converted mainly into photons (light) in addition to protons, electrons, neutrons and other particles.
- ❖ As the universe continued to grow exponentially during the Cosmic Inflation phase, it was sent across tiny quantum jitters.
- ❖ These fluctuations, released in a specific fashion, when sufficiently large, slowly give birth to galaxies and stars and there is a bump in energy.
- ❖ Among those that were significantly large, helped form PBHs.
- ❖ The bump in energy then produces PBHs besides triggering very strong gravitational waves.



## STATES

### Coronavirus Curve

- ❖ Kerala's coronavirus curve has started to flatten.
- ❖ The recovered cases (green curve) will cross the yellow curve soon.
- ❖ The Graph has three colours
  - Total positive cases reported - red line
  - Positive cases at present - yellow line
  - People recovered - green line.

## IMPORTANT DAYS

### Jallianwala Bagh Massacre – April 13

- ❖ The Government of India marked the anniversary of Jallianwala Bagh Massacre on April 13, 2020.
- ❖ It is also known as Amritsar Massacre.
- ❖ On April 13, 1919, (Baisakhi Day), at Jallianwala Bagh in Amritsar in Punjab, a peaceful meeting was held by the people.
- ❖ The people gathered at the park to protest against Rowlatt Act silently.
- ❖ The people also assembled to condemn the arrest of two national leaders Satya Pal and Saifuddin Kitchlew.
- ❖ General Dyer ordered to open fire at the crowd that killed thousands.





### **Siachen Day - April 13**

- ❖ The Indian Army commemorated Siachen Day.
- ❖ The day is observed to commemorate the courage of Indian Army under “Operation Meghdoot”.
- ❖ The Operation Meghdoot was launched on April 13, 1984.
- ❖ Under the operation, the Indian troops successfully gained control of entire Siachen glacier in Kashmir.

### **World Chagas Disease Day – April 14**

- ❖ On April 14, 2020, the world community is to celebrate World Chagas Disease Day for the first time.
- ❖ The Chagas disease is also called “American trypanosomiasis”.
- ❖ The disease has been termed as silent and silenced disease.
- ❖ It progresses very slowly and mainly affects the people under poverty
- ❖ The disease mainly affects poor people in Latin America.
- ❖ It is prevalent in USA, Western Pacific, European and Canada.
- ❖ The Day is marked by the World Health Organization.
- ❖ It transmits through vectors such as T cruzi parasite.
- ❖ Also, it transmits through contact with urine or faeces of blood sucking bugs.
- ❖ The disease does not spread through human to human contact.
- ❖ However, it can spread through infected blood transfusion.
- ❖ The disease got its name from Dr Carlos Ribeiro Justiniano Chagas, who diagnosed the first patient with the disease in Brazil on April 14, 1909.
- ❖ It is classified as a neglected tropical disease (NTD), meaning it affects the low-income populations in developing countries across the globe.

### **Ambedkar Jayanthi - April 14**

- ❖ India celebrated the 129th birth anniversary of Bhimrao Ramji Ambedkar.
- ❖ Ambedkar was born in Mhow, Madhya Pradesh.
- ❖ The town was later renamed as Dr Ambedkar Nagar in 2003.
- ❖ The Indian Constitution was prepared under the leadership of Ambedkar.
- ❖ The Indian Government has set up Panchteerath in the memory of Dr BR Ambedkar.

❖ Panchteerath include:

- Amedbkar's birthplace in Mhow
- The place in London where he stayed while studying in the UK
- Deeksha Bhoomi in Nagpur, where he took education
- Mahaparinirvan Sthal in Delhi
- Chaitya Bhoomi in Mumbai

