

August - 20

## TNPSC BITS

- ❖ The UN Secretary-General António Guterres has appointed Simon Stiell as the new Executive Secretary of the UN Framework Convention on Climate Change (UNFCCC).
- ❖ Satish Kashinath Marathe, Swaminathan Gurumurthy, Revathy Iyer, and Sachin Chaturvedi have all been renominated as non-official directors on the RBI's central board.

## NATIONAL

### 'Panch Pran' target for next 25 years



- ❖ Prime Minister set a “Panch Pran Targets” (Five Resolves) to turn India into a developed nation in next 25 years.
- ❖ The Five Targets
  - Move forward with bigger resolves and resolve of a developed India
  - Erase all traces of servitude
  - Be proud of India's legacy
  - Strength of unity
  - Duties of citizens including PM and CMs.

- ❖ The five resolves will be significant for a developed country when country will mark 100 years of independence in 2047

### India's first Saline Water Lamp

- ❖ India's first saline water lantern, 'Roshini' was launched recently.
- ❖ It uses seawater to power LED lamps.
- ❖ It is the first-of-its-kind lantern.
- ❖ It was launched in Sagar Anveshika, a coastal research vessel operated by the National Institute of Ocean Technology Chennai for marine research.
- ❖ Saline water lanterns use seawater as an electrolyte between specially designed electrodes to power LED lamps.



### Petrol With 20% Ethanol

#IndiasGreenFuture

**Government of India is releasing E-20 notification directing Oil Companies to sell ethanol blended petrol with percentage of ethanol up to 20% from 1<sup>st</sup> April 2023**

The E-20 notification will provide guidance to

- Setting up of ethanol distillation capacities.
- Timelines for making blended fuel available across the country.
- Ensuring manufacturing and availability of compatible vehicles.

An infographic with a green and yellow color scheme. It features a background image of a field of crops. At the bottom, there is a stylized illustration of a factory, a fuel pump, and a car, with the word 'bio' written in a cursive font.

- ❖ India will start supplying petrol with 20 per cent ethanol at select petrol pumps from April 2023.
- ❖ It aims to cut oil import dependence and address environmental issues.
- ❖ India, achieved the target of supplying petrol mixed with 10 per cent ethanol blended petrol in June this year.

### **Asia's Largest Compressed Biogas Plant**

- ❖ Asia's largest Compressed Biogas plant has begun its commercial operations in Sangrur, Punjab.
- ❖ The plant which has been setup at village Bhuttal Kalan (Sangrur) has a total operational capacity of 33.23-tonne CBG per day.

### **Statue of Veer Durgadas Rathore**



- ❖ The Statue of “Veer Durgadas Rathore” was unveiled on his 385<sup>th</sup> birth anniversary in Rajasthan’s Jodhpur.
- ❖ He was the Rathore Rajput General of the Kingdom of Marwar.
- ❖ Durgadas single-handedly preserved the rule of the Rathore dynasty over Marwar (Jodhpur) after the death of Maharaja Jaswant Singh in the 17<sup>th</sup> century.
- ❖ He commanded the Rathore forces during the Rajput War (1679–1707).
- ❖ He played a major role in the Rajput Rebellion (1708–1710) which became one of the main reasons for the decline of the Mughal Empire.

- ❖ He was elected as the leader of the revolt along with Raja Jai Singh II of Jaipur.

## INTERNATIONAL

### Moscow Conference on International Security 2022



- ❖ The Moscow Conference on International Security-2022 was held recently.
- ❖ India stressed on bringing comprehensive reform in structure of United Nations.
- ❖ These conferences on international security are organised with the objective of sharing practical ideas and exploring solutions on issues of global security.
- ❖ Conferences also give opportunity to defence ministers to engage with their counterparts on security issues.

### Free sanitary napkin to all



- ❖ Scotland has become the first country in the world to make period products free for all.

- ❖ There is now a legal duty on local authorities to provide free items such as tampons and sanitary pads to "anyone who needs them".
- ❖ Period products will be distributed through councils and education providers as the Period Products Act comes into force.
- ❖ In 2018, Scottish government made history by becoming the first in the world to make period products free to students.

## **ECONOMY**

### **Dedicated branch to support start-ups**



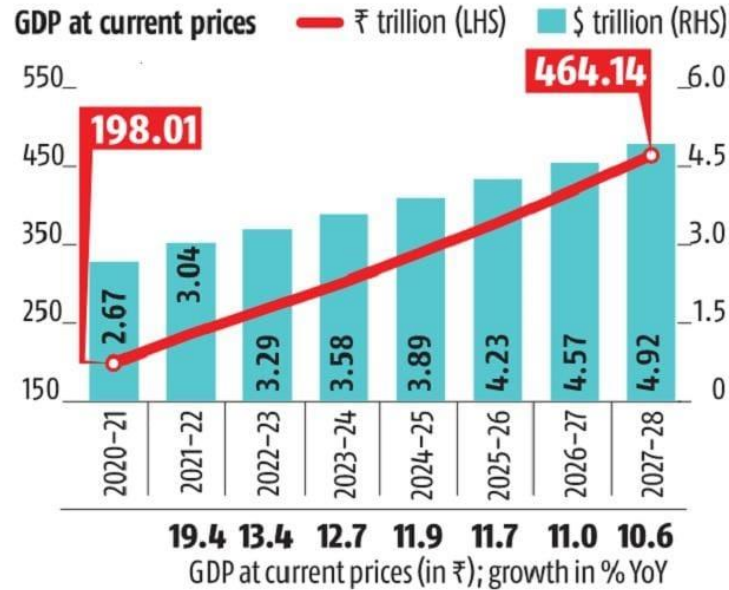
- ❖ State Bank of India has launched its first branch dedicated to start-ups in Koramangala, Bengaluru.
- ❖ The branch will provide services ranging from the stage of formation of start-ups to Initial Public Offerings and Follow-on Public Offerings

### **5 dollar Trillion Economy in 2029**

- ❖ There are eight key challenges for India to overcome to achieve the dream of 5 trillion economy.

- ❖ The challenges are increasing investment, improving productivity and education and health outcomes, creating jobs, raising agriculture productivity, maintaining macroeconomic stability, managing global mega trends and improving governance.
- ❖ So, India may become a \$5 trillion economy by 2028-29 only if the GDP grows at nine per cent per annum consistently for the next five years.

## THE PROJECTION



Source: IMF

## SCIENCE AND TECHNOLOGY

### 3D printed Human Cornea



- ❖ Researchers in Hyderabad have successfully 3D-printed an artificial cornea (3D-printed Human Cornea).
- ❖ It placed in a rabbit eye for the first time ever in India.
- ❖ The 3D-printed Human Cornea is biocompatible, natural, and free of animal by-products.
- ❖ It is made of components derived from human corneal tissue.

## STATES

### Medicine from the sky

- ❖ Arunachal Pradesh has adopted drone-based medical facilities named 'Medicine from the sky'.
- ❖ The first successful flight was conducted from Seppa to Chaoyang Tajo in the East Kameng district.
- ❖ This drone service or the first pilot project aims to provide medicine and essential services to people in need with the help of drones.
- ❖ This will also help to reach difficult terrains and areas.

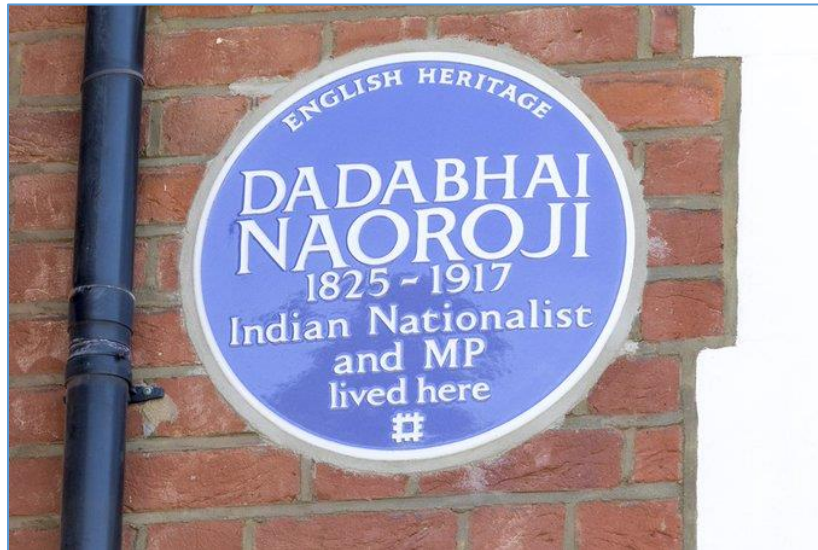


## PERSONALITIES, AWARDS, AND EVENTS

### Blue Plaque Honour

- ❖ London home of Dadabhai Nauroji will get a 'Blue Plaque'.

- ❖ It is an honour that is reserved for notable personalities who have lived and worked in London.
- ❖ Nauroji was the first Asian who was elected as a Member of Parliament in Britain in 1892.
- ❖ The Blue Plaque scheme is run by the English Heritage charity.
- ❖ It honours the historic significance of particular buildings across London.
- ❖ Nauroji often referred to as the “grand old man of India”.
- ❖ Nauroji made seven trips to England and spent over three decades of his long life in London.
- ❖ The Blue Plaque was erected at the homes of Raja Ram Mohan Roy, Gandhi, Sri Aurobindo, Jawaharlal Nehru, and BR Ambedkar among others.



## **SPORTS**

### **Durand Cup 2022**

- ❖ The 131<sup>st</sup> edition of the historic Durand Cup begins in Kolkata.
- ❖ It is the Asia’s oldest football tournament signifies the beginning of the football season in India.
- ❖ Mortimer Durand, the former Foreign Secretary of British India, founded the Durand Cup in 1888.
- ❖ It was initially played only amongst the armed services but was later opened for professional football clubs as well.
- ❖ The Durand Cup Football Tournament Society organizes the annual event in association with the All-India Football Federation (AIFF).



- ❖ The winner receives three trophies: the Durand Cup, the President's Cup, and the Shimla Trophy.

