



**May - 02**

## **TNPSC BITS**

- ❖ Vaishali S Hiwase will become the first woman officer to be appointed as Officer Commanding in the Border Roads Organisation (BRO), India.
  - She will be responsible for providing connectivity through an Indo-China border road.
- ❖ Shivalik Small Finance Bank has commenced operations as a small finance bank with effect from April 26, 2021.
  - This became the first urban co-operative bank (UCB) in India to receive a licence from RBI to operate as a Small Finance Bank (SFB).
- ❖ Dr. Krithi K Karanth, Chief Conservation Scientist at Bengaluru-based Centre for Wildlife Studies (CWS), has been chosen as the first Indian and Asian woman for the 2021 'WILD Innovator Award'.
  - This award given by the "WILD ELEMENTS Foundation".
- ❖ The United Kingdom has become the first country to announce regulation for the use of self-driving vehicles at low speeds.
  - The speed limit is to be set at 37 miles per hour and it shall drive itself in a single lane.
- ❖ The Central Bureau of the United States recently announced that the population of the United States has increased by 7.4%.
  - This is the second slowest growth of US Population since the Great Depression.
- ❖ The Tamil Nadu government has reconstituted the State Commission for Women with Gowri Ashokan as its Chairperson.
  - The Chairperson and the Members of the Commission will hold office for three years.

## **TAMIL NADU**

### **3D printed house**

- ❖ The Union Finance Minister Nirmala Sitaraman inaugurated the first 3D printed house at IIT Madras.
- ❖ The House was constructed using indigenous 3D printing technology.
- ❖ It was built in just five days.

- ❖ It was built by TVASTA Manufacturing solutions based on a concept by former IIT-M students.
- ❖ 3D printing is a process of making three dimensional objects through digital instructions.



### **Kaaval karangal**

- ❖ The Commissioner of Police Maheshkumar Agarwal has launched a new integrated program called 'Kaaval karangal' in Chennai.
- ❖ The Greater Chennai Police has launched this program to help the elderly, women, children and the mentally ill who are left without support on the roads.

## **INTERNATIONAL**

### **Time Magazine's list 2021**



- ❖ Two Indian firms, Reliance Industries' technology arm Jio Platforms and e-learning startup BYJU'S have figured in the Time Magazine's first-ever list of 100 most influential companies.



- ❖ BYJU's was listed alongside Tesla, Huawei, Shopify, Airbnb, and DiDi Chuxing in the Disruptors category.
- ❖ Jio Platforms was listed under the Innovators category alongside Zoom, Adidas, TikTok, Ikea, Moderna, and Netflix.

### **Trends in world Military Expenditure - report**

- ❖ The Stockholm International Peace Research Institute recently released its "Trends in world Military Expenditure" report.
- ❖ According to the report, the top military spenders in the world are the United States, China and India.
- ❖ These three countries alone contributed 62% global military expenditure.
- ❖ The military expenditure of
  - India has grown by 2.1%,
  - China has grown by 1.9% and
  - United States has grown by 4.4%.

### **Immunisation Agenda 2030**

- ❖ IA 2030 was launched by World Health Organisation, GAVI and the UNICEF.
- ❖ It aims to maximise lifesaving impact of vaccines.
- ❖ The Immunisation Agenda 2030 was launched during the World Immunisation Week.
- ❖ It aims to achieve 90% coverage of essential vaccines that are administered to infants, children and adolescents.
- ❖ Also, it will aim to halve the number of children missing vaccines by 2030.

### **Massacre of Armenians as genocide**

- ❖ US President Joe Biden has called the massacre of Armenians during the World War I as genocide.
- ❖ He is the first US president to describe the atrocities on Armenians in 1915 as such.
- ❖ Turkey acknowledges the atrocities but reject the term genocide.

#### **Background**

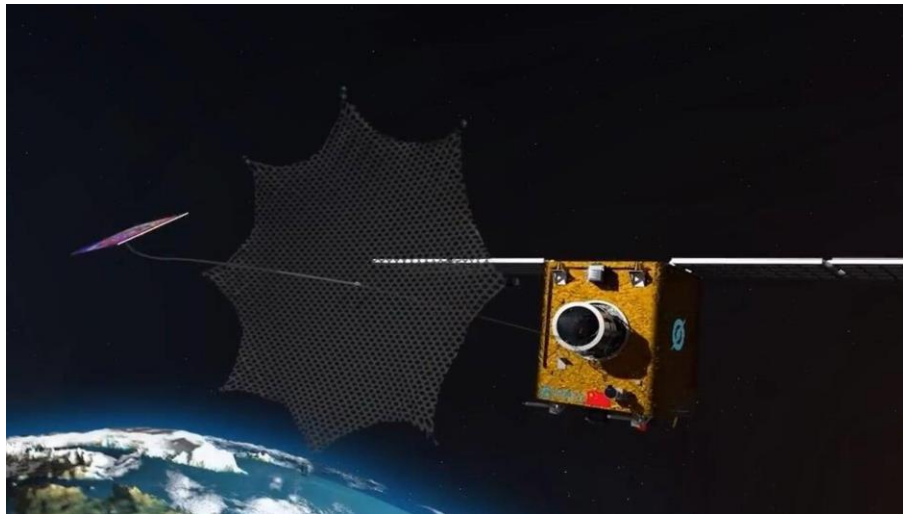
- ❖ The Ottoman Empire suffered a humiliating defeat in the Caucasus in 1915 at the hands of the Russians.

- ❖ The Turks accused the Armenians of treachery.
- ❖ Therefore the Armenian soldiers, public intellectuals and writers were executed.
- ❖ Hundreds of thousands of Armenians, including children, were forcibly moved to the Syrian desert.
- ❖ Many died during this exodus and many others, after reaching the concentration camps in the deserts.
- ❖ Between 1915 to 1922, in the First World War, thousands of Armenians perished due to killings, starvation and disease.

## SCIENCE AND TECHNOLOGY

### NEO - 01

- ❖ A Space Mining Startup of China recently launched NEO-01.
- ❖ It is a robotic platform launched into the low earth orbit.
- ❖ It will conduct experiments on space debris removal technique.
- ❖ The NEO-01 robot was launched on Long March 6 rocket.



### Tiangong space station

- ❖ China has successfully sent the first section of its own space station - the Tianhe core module cabin - into preset orbit.
- ❖ It was sent via a Long March-5B Y2 carrier rocket from Wenchang spaceport.
- ❖ The Tianhe core module houses life support equipment and a living space for astronauts.



- ❖ The Tiangong space station means "Heavenly Palace".

## **Python 5**

- ❖ DRDO announced that the Python 5 Air to Air Missile has been successfully added to the Light Combat Aircraft Tejas.
- ❖ The missiles were test fired in Goa and achieved 100% hits.
- ❖ It is an air to air missile built by the Israeli weapon manufacturer Rafael Advanced Defence Systems.

## **ALISC**

- ❖ A Community Service Centre has been set up on board India's first dedicated Solar Space Mission.
- ❖ The centre is called ALISC.
- ❖ ALISC is Aditya-L1 Support Cell.
- ❖ It is to be set up at the ARIES at Haldwani, Uttarakhand.
- ❖ ALISC is a joint effort of ISRO and ARIES.
- ❖ The knowledge to be provided by ALISC will help scientists to connect the features in heliosphere to the surface of the sun.
- ❖ Aditya-L1 is an Indian space mission that will study the sun and also the region between the earth and the sun.

## **MISCELLANEOUS**

### **Ct Value**

- ❖ The Ct Value in a RT-PCR test is cycle Threshold value.
- ❖ This value determines if a patient is COVID-19 positive or not.
- ❖ The ICMR recently announced that the right Ct value for a person to become COVID-19 positive is 35.
- ❖ If the Ct value of a person is less than 35, he is COVID-19 positive.
- ❖ And if it is greater than 35 then he is COVID1-19 negative.

