

November - 06

## TNPSC BITS

- ❖ Rahul Dravid was appointed the new head coach of the Indian men's cricket team.
  - He was appointed by the Board of Control for Cricket in India's Cricket Advisory Committee.
- ❖ The US Centers for Disease Control (CDC) officially approved Pfizer's vaccine for children aged 5 to 11 years old in the US.
  - This is the first COVID-19 vaccine for young children under 12 years of age in the US.
- ❖ The Government has declared Kalij Pheasant as the bird of the Union Territory of Jammu and Kashmir.
  - Hangul (Kashmir stag) will continue to be the animal of Jammu and Kashmir.
- ❖ NASA's Perseverance Mars rover has emerged from its first "solar conjunction" blackout and gotten back to work on the Red Planet.
  - In this alignment, known as solar conjunction, our star can corrupt commands sent from Earth to Mars.

## NATIONAL

### Anti-terror agency in J&K

- ❖ The J&K Government has set up a new State Investigation Agency (SIA) for "speedy and effective investigation and prosecution of militancy-related cases in the Union Territory".
- ❖ The SIA will be a nodal agency for coordinating with the National Investigation Agency (NIA) and other Central agencies.
- ❖ The head of the CID wing shall be the ex-officio Director of the SIA.

### Ganga Atlas

- ❖ Gajendra Singh Shekhawat launched the 'Ganga Atlas: River of the Past'.
- ❖ It was developed by Prof Rajiv Sinha, IIT Kanpur, Uttar Pradesh (UP).
- ❖ It documents the changes in River Ganga over the past 5-6 decades.



- ❖ The Global Methane Pledge was launched at the UN COP26 climate conference in Glasgow, Scotland.
- ❖ Global Methane Pledge is an effort led by the United States and the European Union, jointly.
- ❖ This pledge was announced with the aim of reducing methane emissions by 30 per cent by the year 2030, as compared to 2020 levels.
- ❖ This pledge is significant because Methane is the second-most abundant greenhouse gas present in the atmosphere.

### **One Sun, One World, One Grid**

- ❖ Prime Minister Narendra Modi and his British counterpart Boris Johnson jointly launched the 'One Sun, One World, One Grid' (OSOWOG) initiative at the COP 26 Climate Meet in Glasgow, Scotland.
- ❖ This project is about setting a 'trans-national electricity grid to supply solar power across the world.
- ❖ The vision behind OSOWOG is 'The Sun Never Sets'.
- ❖ 'One Sun, One World, One Grid' (OSOWOG) solution will be used to tackle the challenge of solar power.



### **Vinisha Umashankar at Glasgow**

- ❖ Vinisha Umashankar from Tamil Nadu recently spoke on clean energy at a meeting as part of the 26th UN Climate Change Conference of Parties (COP26) in Glasgow, Scotland.
- ❖ The meeting discussed clean technology and innovation.

- ❖ She urged everyone - world leaders, business leaders, international organizations as well as civil societies – to immediately “stop talking and start acting” when it comes to tackling climate change.
- ❖ She also mentioned that young people have every reason to be angry and frustrated at leaders who have made empty promises and failed to deliver.



### **Exercise Desert Warrior**

- ❖ The Exercise Desert Warrior is a bilateral military exercise held between India and Egypt.
- ❖ It is held between the Air Forces of the countries.
- ❖ The Exercise was held at El Berigat Air Base in Egypt.

### **Nepal to sell surplus power**

- ❖ India has given permission to Nepal to sell surplus power in its market.
- ❖ This will be the first time India will buy electricity from Nepal.
- ❖ The Central Electricity Authority allowed Nepal to sell 39 MW of electricity produced by the 24 MW Trishuli Hydropower Project and the 15 MW Devighat Hydropower Project in the India Energy Exchange Limited.
- ❖ Both projects were developed with India's help.

## **ECONOMY**

### **Bandhan Bank**

- ❖ The Reserve Bank of India has now appointed Bandhan Bank as an Agency Bank of the RBI to conduct government business.

- ❖ Bandhan Bank now joins several other private banks that have been empanelled as an Agency Bank of the RBI.
- ❖ Bandhan Bank will now be authorised to handle transactions related to GST, VAT and the collection of state taxes.



## SCIENCE AND TECHNOLOGY

### Guangmu

**SDGSAT-1**

**LAUNCH PROVIDER**  
China Aerospace Science and Technology Corporation (CASC)

**MISSION TYPE**  
Earth Observation (Civilian)

**PAYLOAD**  
SDGSAT-1 "Guangmu"  
*(from China Academy of Sciences - Sustainable Dev Goals.)*

**LAUNCH SPACEPORT**  
LC-16, Taiyuan Satellite Launch Center, China

**DESTINATION**  
Low Earth Orbit (LEO-SSO)

**LAUNCH WINDOW**  
NOVEMBER 05 2021 02:19Z UTC  
NOVEMBER 04 22:19 EDT  
(SUCCESSFUL LAUNCH)

**LAUNCH VEHICLE**  
**LONG MARCH 6**  
ChangZheng-6 Y8  
Height 29.24 m  
Diameter 3.35 m  
LV mass 103 tons

**ENGINE BLOCKS**

STAGE/ENGINES	PROPELLANTS	TOTAL THRUST
TUG 1 × YF-50 (VACUUM)	N <sub>2</sub> O <sub>4</sub> / UDMH	6.5 kN
2) 1 × YF-115 (VACUUM)	LOX / RP-1	180 kN
1) 1 × YF-100 (SEA LEVEL)	LOX / RP-1	1,188 kN

**RECOVERY**  
LAUNCH VEHICLE IS EXPENDABLE

- ❖ China has launched an Earth science satellite called Guangmu into space.
- ❖ It is launched from the Taiyuan Satellite Launch Center in the northern Shanxi Province.

- ❖ The satellite was sent by a Long March-6 carrier rocket and has entered the planned orbit.
- ❖ The satellite (SDGSAT-1) is the world's first space science satellite dedicated to serving the UN 2030 Agenda for Sustainable Development.

## STATES

### Janasevaka Scheme



- ❖ The Janasevaka Scheme was launched by the Karnataka Government.
- ❖ The scheme aims to provide 56 government services at the doorsteps of the people.
- ❖ Under the scheme, the services such as property Khata certificate, caste certificate and widow pension benefits are to be provided at door steps.

### Mega-scale Maleic Anhydride Plant

- ❖ State-owned Indian Oil Corp (IOC) will set up India's first mega-scale Maleic Anhydride Plant at its Panipat refinery and petroleum complex (PRPC) in Haryana.
- ❖ This is to manufacture value-added chemical products.
- ❖ The project is proposed to have a capacity of 120,000 tonnes per annum of Maleic Anhydride (MAH).

- ❖ This would be used to make speciality products like polyester resins and surface coatings plasticisers, agrochemicals and lubricant additives.



## PERSONALITIES, AWARDS, AND EVENTS

### Guinness world - Lt. Col. Bharat Pannu



- ❖ Lt. Col. Bharat Pannu has bagged his third Guinness world record by cycling across the country from Gujarat to Arunachal Pradesh.
- ❖ He covered a distance of 3,800 km in nine days seven hours and five minutes.
- ❖ His effort was part of the celebrations of the 50th anniversary of the Liberation War of Bangladesh in 1971.

- ❖ This is being observed as 'Swarnim Vijay Varsh' in honour of the soldiers who laid down their lives in the line of duty.

## MISCELLANEOUS

### **Mahatma Gandhi coin**

- ❖ Britain unveiled a new commemorative coin celebrating the life and legacy of Indian independence leader Mahatma Gandhi.
- ❖ The special coin is available in gold and silver.
- ❖ It features an image of India's national flower, the lotus, and one of Gandhi's most famous quotes: "My life is my message."

