

October - 20

## TNPSC BITS

- ❖ The Former Indian batter, Rahul Dravid has been appointed as Team India's head coach.
  - He will be succeeding Ravi Shastri.
- ❖ The Centre launched the anthem (Bharat Ka Tikakaran) on India's Covid 19 vaccination.
  - The song has been sung by eminent singer Padma Shri Kailash Kher.
- ❖ A team from 5th Battalion, Gorkha Rifles (Frontier Force), representing the Indian Army won the gold medal at the prestigious Cambrian Patrol Exercise.
  - This was held in the United Kingdom.
- ❖ Israel joined as the newest member in the International Solar Alliance.
- ❖ ER Sheikh took charge as the first Director-General of the Ordnance Directorate (Co-ordination and Services).
  - This is the newly-created entity to replace the Ordnance Factory Board (OFB).

## TAMIL NADU

### Tiger T23

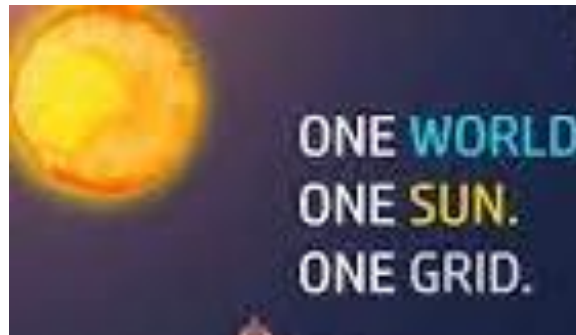


- ❖ The man-hunting Tiger T23 of Mudumalai Tiger Reserve has finally been captured alive by the Tamil Nadu Forest Department.
- ❖ They had captured it after 22 days of the massive hunt.
- ❖ T23 was spotted near the Masinagudi forest area.
- ❖ It was moved to Mysuu Zoo.

## NATIONAL

### One Sun One World One Grid

- ❖ The 4th General Assembly of the International Solar Alliance (ISA) is being held virtually.
- ❖ Initiatives in the solar energy sector including the operationalization of India's One Sun One World One Grid (OSOWOG) initiative will be discussed.
- ❖ The OSOWOG is an initiative by India to interconnect global renewable energy systems with the vision 'The Sun Never Sets'
- ❖ The initiative was outlined by PM Narendra Modi during the 1st General Assembly of the International Solar Alliance (ISA) in October 2018.



### Mount Manipur

- ❖ The Union government has decided to rename Mount Harriet as Mount Manipur.
- ❖ The Mount Harriet is the third-highest island peak in Andaman and Nicobar Islands.
- ❖ The renaming is done as a tribute to the freedom fighters of Manipur.
- ❖ Manipur's Maharaja Kulchandra Singh and 22 other freedom fighters were imprisoned here during the Anglo-Manipuri war (1891).

### National Security Guard - Raising Day

- ❖ The National Security Guard (NSG) force observes its Raising Day on October 16, every year.
- ❖ They are popularly known as Black Cats.
- ❖ The NSG is an elite counter-terrorism unit under the Indian Ministry of Home Affairs.

- ❖ The year 2021 marks the 37th anniversary of the establishment of the NSG.
- ❖ It was established in 1984.



## **INTERNATIONAL**

### **COP 26**

- ❖ The UK will host the COP 26 UN Climate Change Conference.
- ❖ This year marks the 26th Conference of Parties (COP26).
- ❖ It will be held in the Scottish Event Campus in Glasgow.
- ❖ The COP comes under the United Nations Climate Change Framework Convention (UNFCCC).
- ❖ The UNFCCC was formed in 1994.



## Hypersonic missile - China

- ❖ As per the report of financial times, China tested a nuclear-capable hypersonic missile in August 2021.
- ❖ As per the report, the launch of the missile was kept secret by China.
- ❖ The missile circled the world before cruising towards its target.
- ❖ However, it missed its mark by about 24 miles.
- ❖ This demonstrates that China made impressive progress on hypersonic weapons.
- ❖ This test was more advanced than the US.
- ❖ As per the report, the weapon could fly over the South Pole in theory.
- ❖ This will pose a big challenge for the US military as its missile defence systems focus on the northern polar route.



## G20 Innovation League



**Innovation  
League**

- ❖ The Italian Presidency of the G20 grouping has unveiled the “G20 Innovation League”.



- ❖ It is a new and unique initiative that have been designed to drive forward innovative projects.
- ❖ This is to create a sustainable future.
- ❖ G20 Innovation event was held in Sorrento, Italy.

## **SCIENCE AND TECHNOLOGY**

### **Shenzhou-13**

- ❖ China launched Shenzhou-13 spacecraft carrying three astronauts on a historic 6-month long mission.
- ❖ The spacecraft was launched aboard a Long March-2F rocket from Jiuquan Satellite Launch Centre in the northwestern province of Gansu.
- ❖ The spacecraft will dock with the Tianhe module.

### **Lucy Spacecraft**

- ❖ NASA launched the first-of-its-kind mission to study the Trojan asteroids of Jupiter.
- ❖ The space probe is called Lucy.
- ❖ Lucy mission is a 12-year expedition that will study a record number of asteroids.

### **Treatment for Prostate Cancer**

- ❖ The Indian Institute of Technology (IIT), Kanpur team identifies a novel target - DLX1 gene - to treat prostate cancer.
- ❖ The team has discovered that the DLX1 gene has an important role to play in the growth and development of prostate cancer.
- ❖ When the team genetically removed the DLX1 gene that produces the protein, the ability of cancer cells to grow, develop and spread to other parts of the body was compromised.
- ❖ The team has further shown that both androgen receptor and fusion gene product 'ERG' are responsible for increased levels of DLX1 in prostate cancer cells.
- ❖ The team also found that Bromodomain and extra terminal (BET) protein assists the function of both androgen receptor and ERG.

## PERSONALITIES, AWARDS, AND EVENTS

### Eco Oscars

- ❖ An Indian Project, Takachar's Innovation, that recycles agricultural waste into fuel has won the "Prince William's inaugural Earthshot Prize".
- ❖ This Prize is also called as Eco Oscars.
- ❖ Eco Oscars honour people who are trying to save the planet Earth.
- ❖ This award is presented with the aim of providing assistance to and inspires innovative local solutions as the climate crisis is growing globally.
- ❖ Takachar's Innovation is led by Vidyut Mohan.



## SPORTS

### IPL 2021



- ❖ Chennai Super Kings has defeated Kolkata Knight Riders in the finals to win the 2021 Indian Premier League title.
- ❖ This was the 14th edition of IPL.



- ❖ Harshal Patel (RCB) is awarded the Player of the Tournament.
- ❖ This was the 4th win of Chennai Super Kings in IPL.
- ❖ They had previously won the tournament in 2010, 2011, and 2018.
- ❖ Mumbai Indians team has won the IPL title highest number of times (5 times).

### **SAFF Championship**



- ❖ India beat Nepal, 3-0, to win the 2021 SAFF (South Asian Football Federation) Championship final title.
- ❖ It was held at the National Football Stadium in Male, Maldives.
- ❖ This is the eighth SAFF Championship title claimed by the Indian men's national football team.
- ❖ Previously the team had won the title in 1993, 1997, 1999, 2005, 2009, 2011, 2015.
- ❖ Sunil Chhetri, Suresh Singh Wangjam and Sahal Abdul Samad were the goal scorer for the Indian team in the final.



- ❖ Sunil Chhetri (Captain) is the top scorer in the championship (5 goals).
- ❖ Sunil Chhetri scored his 80th international strike at the championship.
- ❖ He had equalled his score with iconic Lionel Messi.
- ❖ He has now become the second-highest goal-scorer in international football among active players.

