

September - 11

## TNPSC BITS

- ❖ The Standing Committee of the National Board of Wildlife has given its approval to the Indian Air Force to setup a new airbase in Ladakh.
  - The new IAF airbase is expected to come up in the Changthang sanctuary area, right off the Line of Actual Control.
- ❖ Suella Braverman is UK's new Home Secretary.
  - Priti Patel, who is of Indian descent, will be replaced in the position by Suella Braverman.

## NATIONAL

### WEST initiative



- ❖ Principal Scientific adviser Pravinder Maini has launched the Women in Engineering, Science and Technology Initiative (WEST) to enable women's contribution to science.
- ❖ WEST is a new I-STEM (mapping of Indian Science Technology and Engineering) using a web portal for research sharing and promoting collaborations in R&D.
- ❖ I-STEM comes to under PM-STIAC Mission (allows scientific cross-sectoral collaboration and development).

- ❖ Other schemes: KIRAN (to encourage women scientists); CURIE (to develop infrastructure in women universities); Vigyan Jyoti (for girls in high school to pursue STEM).

## Counter Ransomware Exercise



- ❖ The National Security Council Secretariat (NSCS) and the UK government has jointly conducted the virtual Cyber Security Exercise for 26 countries.
- ❖ The exercise is a part of the India-led International Counter Ransomware Initiative- Resilience Working Group, facilitated by the British Aerospace (BAE) Systems.

## 7th Bengaluru Space Expo 2022



- ❖ It is organized in association with the ISRO, Indian National Space Promotion and Authorisation Centre (IN-SPACE), and NewSpace India Limited.
- ❖ It will have a concurrent international conference.
- ❖ The theme of the conference is 'Nurturing the NewSpace in India'.
- ❖ Country partner – Australia; Focus country – United Kingdom; Guest country - Netherlands

## **TB MukT Bharat Abhiyaan**



- ❖ President Draupadi Murmu launched the Pradhan Mantri TB MukT Bharat Abhiyaan.
- ❖ Pradhan Mantri TB MukT Bharat Abhiyaan aims to eliminate tuberculosis from India by 2025.
- ❖ Prime Minister Narendra Modi has given a distinctive call to end TB in India giving years ahead of the Sustainable Development Goal (SDG) of 2030.
- ❖ Murmu also launched the Ni-Kshay Mitra initiative.
- ❖ The Ni-Kshay Mitra initiative will provide a platform for the donors to help TB patients who are undergoing treatment.
- ❖ The donors will be called Ni-Kshay Mitras.
- ❖ And the donation will include nutritional, additional diagnostic, and volcanic support.

## **INTERNATIONAL**

### **UNESCO Global Network of Learning cities 2022**

- ❖ According to UNESCO, this network is a global policy-oriented network offering “inspiration, know-how and best practice”.

- ❖ India's Three Cities i.e., Telangana's Warangal, Kerala's Thrissur & Nilambur have been inducted into this list.
- ❖ They became the nation's first entrants in the UNESCO Global Network of Learning Cities.
- ❖ Warangal is the second UNESCO recognition for Telangana.
- ❖ Earlier, Ramappa Temple in Mulugu district of Telangana was included in the list of UNESCO World Heritage Sites.
- ❖ The Three Indian Cities were part of the 77 cities from 44 countries.
- ❖ There are six features that define a learning city
  - Effectively mobilises its resources in every sector to advocate inclusive learning
  - Revitalises learning in families and communities
  - Facilitates learning for and at workplaces
  - Extends the use of modern learning technologies
  - Augments quality and excellence in learning
  - Fosters a culture of learning throughout life.



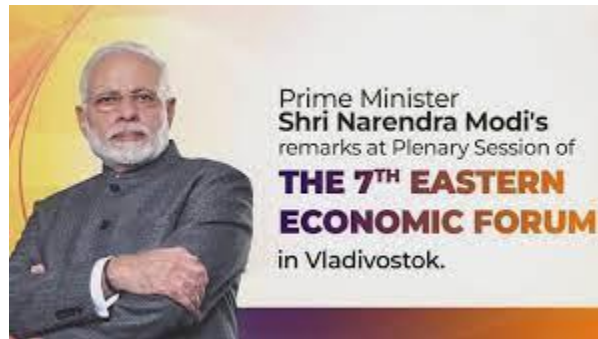
### **Maitree Super Thermal Power Project**





- ❖ Prime Minister Narendra Modi and Bangladesh Prime Minister Sheikh Hasina recently unveiled Unit-1 of Maitree Super Thermal Power Project.
- ❖ It is located at Rampal in Bagerhat district of Khulna division of Bangladesh.
- ❖ It is being developed under India's concessional financing scheme.

### **7th Eastern Economic Forum**



- ❖ It was held in Vladivostok, Russia.
- ❖ This year's theme was 'On the Path to a Multipolar World'.
- ❖ It was established in 2015 for the purpose of encouraging investment in the Russian Far East.
- ❖ The Russian Far East has many petroleum resources which is of great interest to India.
- ❖ India was the first country to open a consulate in this city.

### **International Travel Award 2023**



- ❖ West Bengal has been accredited the International Travel Award 2023 for Best Destination for Culture by the Pacific Area Travel Writers Association (PATWA).



- ❖ It is an affiliate member of the United Nations World Tourism Organization (UNWTO).
- ❖ The award will be presented at the World Tourism and Aviation Leaders' Summit in Berlin, Germany, on March 9, 2023.
- ❖ For the second year in a row, World Travel Awards selected the Republic of Cuba as the Caribbean's Leading Cultural Destination in 2022.

## SCIENCE AND TECHNOLOGY

### Qimingxing-50

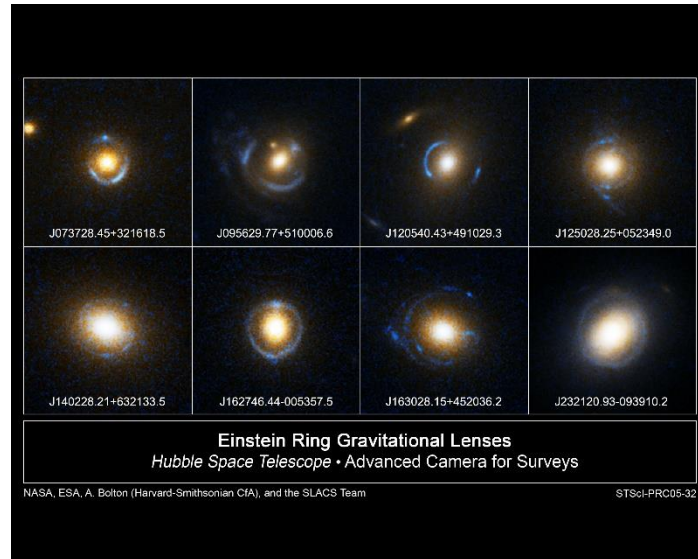


- ❖ Also named Morning Star-50, it is China's first fully solar-powered unmanned aerial vehicle.
- ❖ It has successfully completed its maiden test flight with all onboard systems functioning optimally.
- ❖ This drone flies above 20-km altitude where there is stable airflow with no clouds.
- ❖ This helps these drones to make maximum use of solar equipment to stay functional for extended durations.
- ❖ Drone can operate in near-space – 20 km to 100 km above the Earth's surface.
- ❖ It is making them capable of carrying out satellite-like functions.

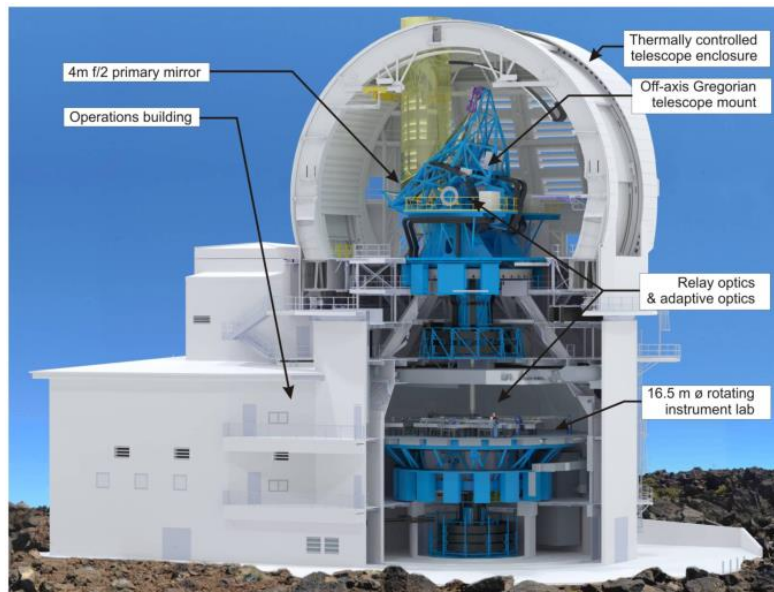
### Einstein Ring

- ❖ The Mid-Infrared Instrument (MIRI) of the James Webb Space Telescope has captured an image of an almost perfect "Einstein ring".
- ❖ The Einstein ring is also known as the Chwolson ring.
- ❖ Einstein Ring phenomenon was first discovered in 1988.

- ❖ It is a ring of light created when light from a galaxy, star or other light-emitting cosmic objects passes near a massive object before it reaches the Earth.
- ❖ When this happens, gravitational lensing causes the light to get diverted.
- ❖ And if the source, lens and the observing element are all in perfect alignment, this light appears as a ring.
- ❖ So, the ring itself not a real physical structure in space.
- ❖ But just a play of light and gravity, a result of the gravitational lensing effect.



## Inouye Solar Telescope



- ❖ The Inouye Solar Telescope has captured an image of the Sun's chromosphere a resolution of 18 kilometres.
- ❖ It is located at the Haleakala Observatory on the Hawaiian island of Maui.
- ❖ The chromosphere is the second of the three main layers in the Sun's atmosphere.
- ❖ It is located above the photosphere and below the solar transition region and corona.

## IMPORTANT DAYS

### International Literacy Day – Sep 08

- ❖ The day was instituted in 1966 by United Nations Educational, Scientific and Cultural Organization (UNESCO).
- ❖ On this day in year 1965, World Congress of Ministers of Education had met for first time in Tehran, Iran to discuss the programme of education at international level.
- ❖ This year it was 54th observation.
- ❖ This year's theme was "Transforming Literacy Learning Spaces".

