

November - 22

## TNPSC BITS

- ❖ The Tamil Nadu Assembly, in a Special Session, again passed 10 Bills for which Governor had earlier withheld assent.
- ❖ The Madras high court has clarified that mother of a man who died intestate does not become the heir unless there is a failure on other heirs' widow and children under Indian Succession Act, 1925.
- ❖ Tamil writer Perumal Murugan wins the coveted JCB Prize for Literature for his novel, Fire Bird, an English translation of his Tamil novel Aalanda Patchi.
- ❖ The Renowned art historian and writer Brijender Nath Goswamy passed away recently.
  - He quit the civil services in 1958 to follow a career in academics and research.
- ❖ Nicaragua's Sheynnis Palacios has been crowned Miss Universe for the year 2023.
- ❖ London-based luxury travel magazine Condé Nast has listed Kochi as one of the best places to visit in Asia in 2024.
- ❖ Cambridge Dictionary has announced 'hallucinate' as its Word of the Year 2023.

## NATIONAL

### Patents in 2023-24



- ❖ The Indian patent office has granted "highest" number of 41,010 patents till November 15 this fiscal year.

- ❖ In 2013-14 fiscal year, 4,227 patents were granted.
- ❖ According to a World Intellectual Property Organization report, patent applications by Indians grew 31.6 per cent in 2022

### **Measles Vaccination Gaps in India**



- ❖ In 2022, an estimated 11 lakh children missed their first dose of the measles vaccine in India.
- ❖ WHO is placing the country among the ten nations with the highest measles vaccination gap.
- ❖ This WHOS's report also highlights India as one of the 37 countries that experienced outbreaks, recording 40,967 cases in 2022.
- ❖ Measles is a highly contagious viral infection, which most commonly affects children.
- ❖ The infection itself usually causes high fever, cough, runny nose, and red rashes all over the body, complications may lead to death.

### **4<sup>th</sup> Anti-Submarine Warfare Craft**

- ❖ The Indian Navy launched its most advanced and state-of-the-art anti-submarine warfare shallow watercraft, named Amini.
- ❖ The vessel is named after a strategically important island in the Lakshadweep archipelago on India's western coast.

- ❖ This is the fourth in the series of eight anti-submarine warfare shallow watercrafts.



## INTERNATIONAL

### **BDS Movement**



- ❖ Boycott, Divestment, Sanctions (BDS) is a Palestinian-led movement for freedom, justice and equality.
- ❖ BDS upholds the simple principle that Palestinians are entitled to the same rights as the rest of humanity.

- ❖ Inspired by the South African anti-apartheid movement, the BDS call urges action to pressure Israel to comply with international law.

### **Operation 1027**

- ❖ “Operation 1027” was launched by the Three Brotherhood Alliance (3BTA).
- ❖ This Alliance comprises the Myanmar National Democratic Alliance Army (MNDAA), the Ta’ang National Liberation Army (TNLA), and the Arakan Army (AA).
- ❖ Its goal is to combat the junta’s armed forces and allied militias in northern Shan State, close to the Myanmar-China border.

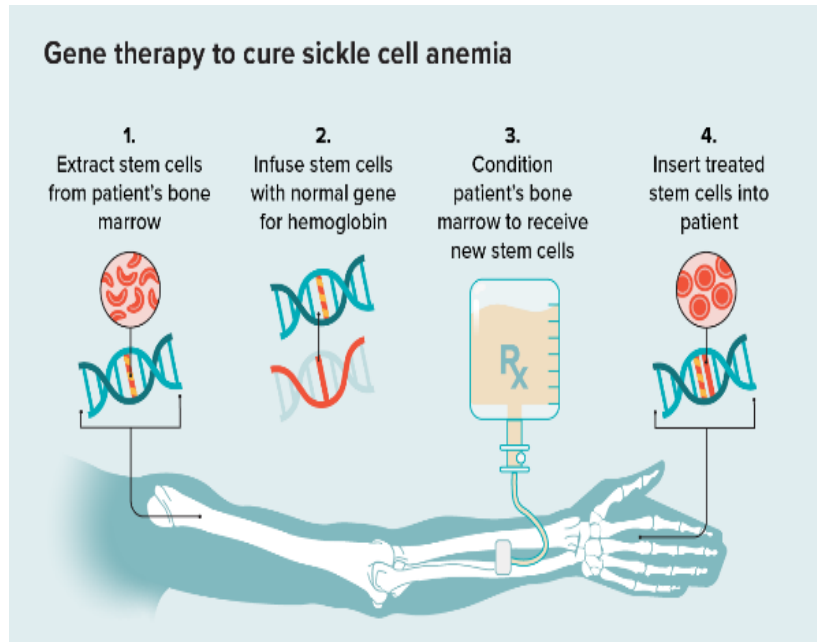


## **SCIENCE AND TECHNOLOGY**

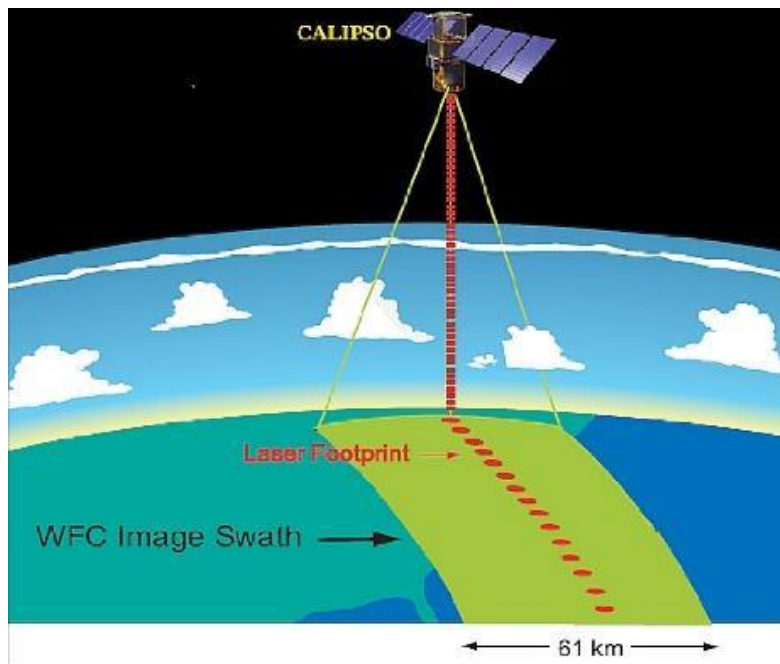
### **Gene therapy for Sickle cell Disease**

- ❖ The United Kingdom has approved the world's first gene therapy treatment for sickle cell disease and thalassemia.
- ❖ It approved Casgevy for patients with sickle cell disease and thalassemia who are 12 years old and over.
- ❖ Casgevy is made by Vertex Pharmaceuticals (Europe) Ltd. and CRISPR Therapeutics.

- ❖ Both sickle cell disease and thalassemia are caused by errors in the genes that carry haemoglobin, the protein in red blood cells that carry oxygen.



### **CALIPSO Science Mission**



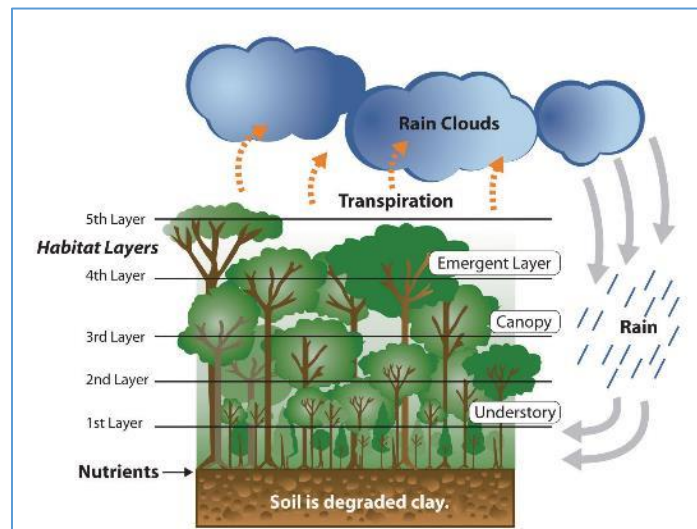
- ❖ The CALIPSO mission that analysed climate, weather, and air quality ended its work recently.

- ❖ The CALIPSO (Cloud-Aerosol Lidar and Infrared Pathfinder Satellite Observation) mission recorded more than 10 billion LIDAR measurements.
- ❖ It helped create thousands of scientific reports over its 17 years of operation.
- ❖ It was launched jointly by NASA and France's CNES along with the cloud-profiling radar system on the CloudSat satellite.

## ENVIRONMENT

### High Rainfall: A Lifesaver for Equatorial Rainforests

- ❖ High rainfall helped the survival of equatorial rainforests at a time when Earth was globally warm, around 50 million years ago.
- ❖ The Earth was around 13°C warmer than present and carbon dioxide concentration was more than 1000 ppmv during this time.
- ❖ The existing paleoclimate data of mid and high latitudes suggest the large fluctuations in rainfall at around 50 million years ago.
- ❖ The mechanism in which biota survives adverse conditions is still poorly known.

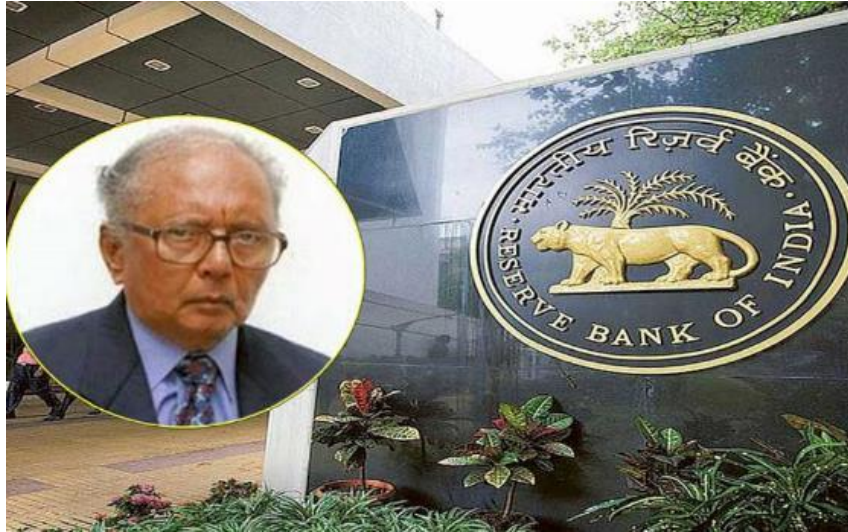


## PERSONALITIES, AWARDS, AND EVENTS

### Former RBI Governor S Venkitaramanan

- ❖ Former Governor of the Reserve Bank of India S Venkitaramanan passed away recently.
- ❖ He was a member of the Indian Administrative Service and prior to taking up the role of RBI Governor.

- ❖ He had served as the Finance Secretary and later as an Adviser to the Government of Karnataka.
- ❖ He had served the RBI between December 1990 and December 1992.



## IMPORTANT DAYS

### **World Day for the Prevention of and Healing from Child Sexual Exploitation, Abuse, and Violence 2023 - November 18**



- ❖ It is a global initiative to raise awareness about the devastating impact of child sexual exploitation, abuse, and violence (CSEAV),
- ❖ The adoption of the Convention on the Rights of the Child (CRC) in 1989 marked a significant turning point in the issue of CSEAV.

- ❖ In 1996, the World Congress against Commercial Sexual Exploitation of Children was held in Stockholm, Sweden.
- ❖ The theme for 2023 is “Strengthening Prevention: A Collective Responsibility.”

### **National Naturopathy Day 2023 - November 18**



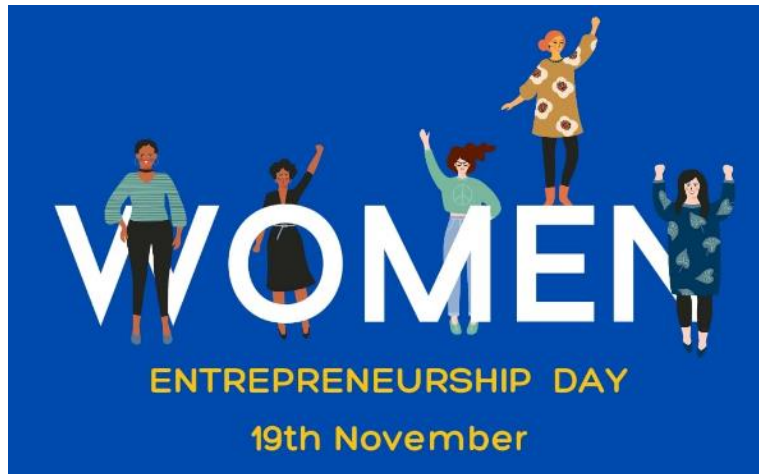
- ❖ The day was declared by the Ministry of AYUSH (Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homeopathy) in 2018.
- ❖ It was on this day in 1945 when MK Gandhi became lifetime Chairman of the All-India Nature Cure Foundation Trust.
- ❖ The National Institute of Naturopathy (NIN), Pune has released a book on Naturopathy Day titled as ‘Gandhi the Healer’.
- ❖ Theme of this year is “Naturopathy for holistic Health”.
- ❖ MK Gandhi himself was a proponent of this practice.
- ❖ He wrote a book called Nature Cure.
- ❖ He helped set up Nisargopachar Ashram, a naturopathy centre, at Urulikanchan near Pune.

### **Women Entrepreneur’s Day 2023 - November 19**

- ❖ It aims to recognise the achievement of women entrepreneurs and to support the efforts of women to build their business ventures.
- ❖ This global initiative was established by the Women’s Entrepreneurship Development Organization (WEDO).



- ❖ The first Women Entrepreneurship Day was observed in New York City in 2014.
- ❖ Theme of 2023 is “Let’s make a better future”.



## MISCELLANEOUS

### **Kavro Doma 360**

- ❖ Kanpur-based MKU Limited has unveiling of the Kavro Doma 360 at Milipol Paris.
- ❖ This is the first time in the world a ballistic helmet offers uniform protection in all 5 zones of the head.
- ❖ It protects against threats like the AK-47 MSC, M80 NATO BALL, and M193 rifle bullets.

