

August - 26

TNPSC BITS

- ❖ The Chandrayaan-3 Mission Soft-landing LIVE Telecast, broadcasted on August 23, 2023, captured the attention of over 80 lakh peak concurrent viewers, making it the most-watched live stream globally.
- ❖ Sachin Tendulkar is recognised as 'national icon' of the Election Commission (EC) to encourage greater voter participation in the electoral process.
- ❖ NTPC Ltd, India's largest power producer and a central PSU under Ministry of Power, has started a trial run of a hydrogen bus in Leh.
- ❖ Prakash Shrivastava, the Former Chief Justice of Calcutta High Court, took charge as chairperson of the National Green Tribunal.
- ❖ Khelo India Women's League was renamed as Asmita Women's League.

TAMIL NADU

Reservation in Local Body polls

Empowering Transgender Persons
Transgender Persons (Protection of Rights) Bill 2019 Approved



-  To mitigate the **stigma, discrimination & abuse** against transgender persons
-  To **bring transgender into the mainstream** of the society & make them productive members
-  To bring **greater accountability of all stakeholders** dealing with Transgender persons, and make them more responsive

- ❖ The Madras High Court directed the Tamil Nadu government to initiate steps to grant reservation for transgender persons in local body polls.
- ❖ The direction aims to helping them slowly become part of mainstream society.

- ❖ The Justice also directed the Cuddalore district collector to remove the president and members of Nainarkuppam village panchayat by invoking the Tamil Nadu Panchayats Act, 1994.
- ❖ The Government of India enacted the Transgender Persons (Protection of Rights) Act, 2019, which bestowed rights and protection to the Transgender community in India.

India Centre for Advanced Manufacturing



- ❖ The Tamil Nadu government in collaboration with the World Economic Forum, hosted a public-private discussion for establishing the 'India Centre for Advanced Manufacturing' in Chennai.
- ❖ The discussion highlighted three key focus areas for the Centre — technology adoption and innovation, industry-academia engagement, and sustainable production.
- ❖ In the past, Tamil Nadu had already established three Centers of Excellence in collaboration with Siemens, G.E., and Dassault Systems.

NATIONAL

9th Commonwealth Parliamentary Association

- ❖ The Ninth Commonwealth Parliamentary Association (CPA) India Region Conference took place in Udaipur, Rajasthan.
- ❖ The conference brought together the Presiding Officers from 23 states and union territories.
- ❖ The Commonwealth Parliamentary Association (CPA) serves Parliamentarians from Commonwealth countries.

- ❖ It is facilitating regular consultation and the exchange of ideas and information among members of the Commonwealth Parliament.



INTERNATIONAL

Suspension of Niger from African Union



- ❖ The African Union suspended Niger from all of its institutions and activities.

- ❖ Soldiers overthrew Niger's democratically elected president almost four weeks ago and quickly entrenched themselves in power
- ❖ President Mohamed Bazoum, his wife and son have been kept under house arrest in the capital, Niamey, Niger.

SCIENCE AND TECHNOLOGY

Maisies Galaxy



- ❖ The James Webb Space Telescope has enabled astronomers to confirm that a galaxy initially spotted last summer ranks among the earliest ever observed.
- ❖ The first detection of Maisie's galaxy has shown that it dates back to 390 million years after the Big Bang.
- ❖ For reference, the universe as a whole is about 13.77 billion years old.
- ❖ The team is currently evaluating about 10 other galaxies that might be from an era even earlier than Maisie's.

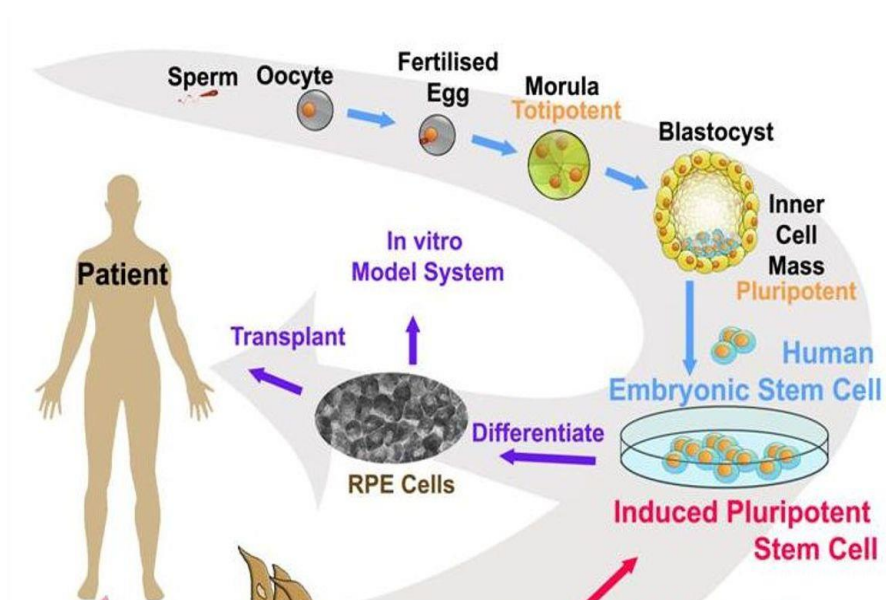
World's first humanoid robot pilot

- ❖ The South Korean scientists have unveiled a humanoid robot capable of piloting an aircraft.
- ❖ The robot – called PIBOT – uses AI technology to memorize flight charts and emergency protocols.

- ❖ It is fitted with multiple cameras capable of monitoring the aircraft's systems and operational conditions.
- ❖ PiBot can also communicate with air traffic control (ATC) and other humans on the flight deck, meaning it can operate via a Captain or First Officer.



Human Skin Cells Conversion Method

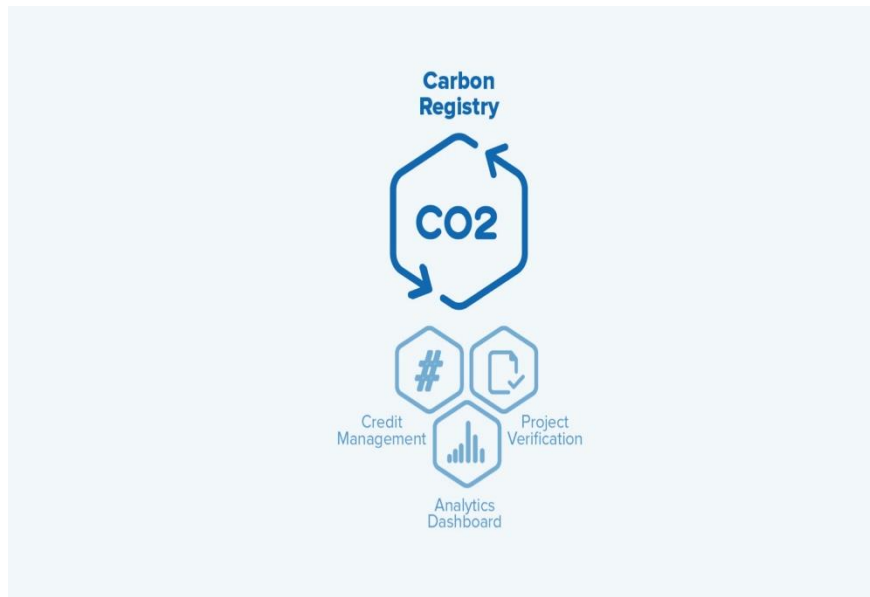


- ❖ The Indian Researchers successfully developed a technique to transform regular human skin cells into pluripotent stem cells.
- ❖ It is known as Induced Pluripotent Stem Cells (iPSCs).
- ❖ The research paves the way for personalized stem-cell therapies targeting various diseases.

- ❖ These iPSCs are patient-specific, reducing the risk of immune rejection when used for transplants.

ENVIRONMENT

National Carbon registry



- ❖ The UNDP has developed an open-source software which allows countries to effectively manage national data and processes for trading carbon credits.
- ❖ The software, called the National Carbon Registry, has recently been accredited as a digital public good (DPG).
- ❖ As a DPG, the registry uses open-source code, which allows countries to replicate and adapt the information to fit their own needs and contexts.
- ❖ The registry's modules, software and technical documentation can be reused and tailored by countries
- ❖ It could potentially reduce production costs and implementation timelines.

State Liability on Climate Breach

- ❖ A group of residents from Montana's Missoula of USA successfully sued their own state for violating their constitutional right to a clean and healthful environment.
- ❖ A district court has ruled that the state's negligence in addressing climate change while approving fossil fuel projects was unconstitutional.
- ❖ It is the first time that a US court has held a government responsible for breaching the constitution based on climate change.

- ❖ The judgement could further invigorate the environmental movement and also influence thousands of pending climate change lawsuits in the country.



STATES

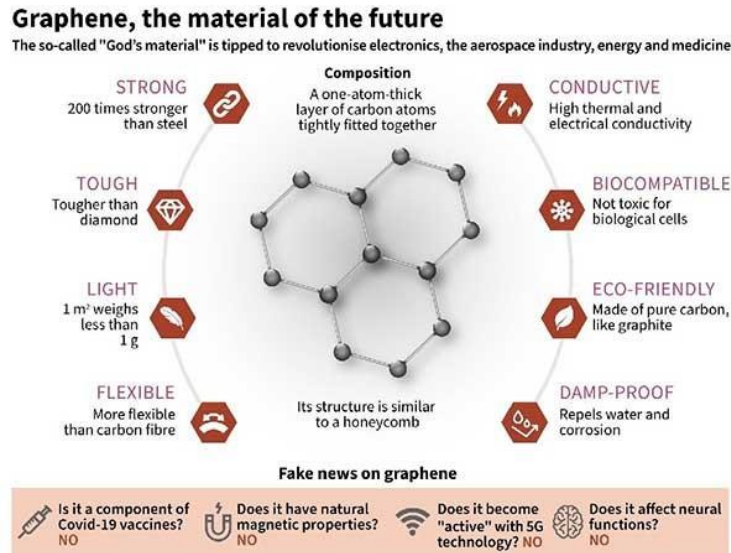
Maharashtra's 1st elephant reserve



- ❖ The Maharashtra government declared almost 3,000 hectares of Tillari forest land as a conservation reserve for elephants.

- ❖ Tillari is a forest located in the hilly ranges of Konkan-Western Ghats corridor.
- ❖ Maharashtra is home to 62 conservation reserves, of which 13 are in the Western Ghats.

Graphene-Aurora Program



- ❖ The Ministry of Electronics & Information Technology (MeitY) launched the 'Graphene-Aurora program' at a function in Maker Village Kochi.
- ❖ The program shall be implemented by Digital University Kerala.
- ❖ It will act as a bridge between research and commercialization.
- ❖ It is providing a comprehensive facility for startups and industries to develop and scale graphene technologies.
- ❖ Graphene is a material that is extracted from graphite and is made up of pure carbon.
- ❖ It is one of the most important elements in nature which we find in daily objects like the lead of a pencil.
- ❖ It is the world's thinnest, strongest, and most conductive material of both electricity and heat.
- ❖ It conducts electricity better than copper.
- ❖ It is 200 times stronger than steel but six times lighter.

India's First Hydrogen Bus

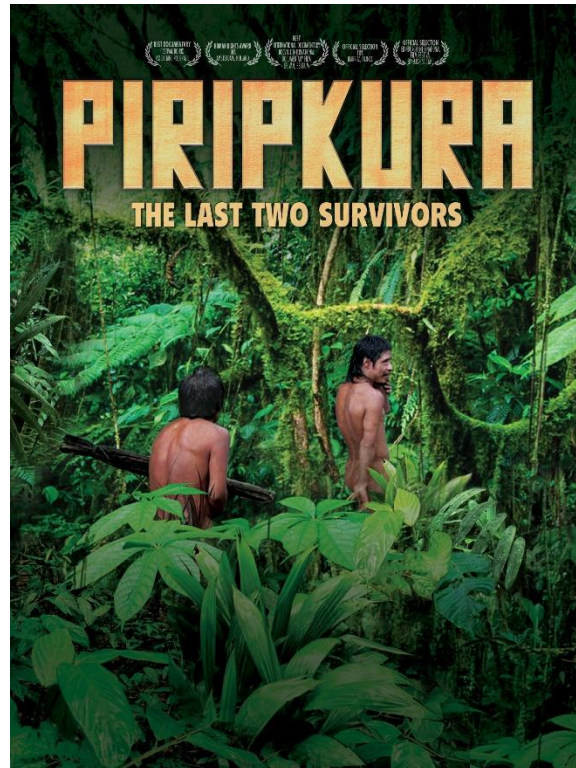
- ❖ NTPC Ltd has started a trial run of a hydrogen bus in Leh.

- ❖ NTPC is India's largest power producer and a central PSU under Ministry of Power.



MISCELLANEOUS

Piripkura Tribe



- ❖ Tamandua and Baita are two of the last three remaining members of the Piripkura Indigenous people in northwest Brazil.



- ❖ The protected status of the Piripkura Indigenous Territory spans 243,000 hectares (600,000 acres).
- ❖ It is maintained by a periodically renewed use restriction ordinance issued by Funai, the federal agency for Indigenous affairs.
- ❖ Today, 18 percent of the Amazon has disappeared.
- ❖ There are traces or reports of 39 uncontacted tribes.

