

June - 12

TNPSC BITS

- ❖ Weyan India's first village to vaccinate all its adult population against COVID-19.
 - It is a remote village in Bandipora district of Jammu & Kashmir with an adult population of 362.
- ❖ Russia is building its first naval ship which will be fully equipped with stealth technology.
 - Stealth technology will to make it hard to detect.
- ❖ NITI Aayog has recommended divesting government stake in the Central Bank of India and Indian Overseas Bank (IOB).
 - This is a part of the privatisation initiative announced in the Union Budget.
- ❖ India has been elected as a member of the United Nations Economic and Social Council.
 - It has the membership for three-year terms of 2022-24.

NATIONAL

Surakshit Hum Surakshit Tum Abhiyaan



The poster features the logos of NITI Aayog, Aspirational Districts Collaborative, and Piramal Foundation at the top. The central text reads 'NITI Aayog & Piramal Foundation Launch Surakshit Hum Surakshit Tum Abhiyaan HOME CARE SUPPORT CAMPAIGN'. Below this, it lists the following statistics: 112 ASPIRATIONAL DISTRICTS, 1000+ MOTHER NGOs, 1 LAKH + VOLUNTEERS, and 2 MILLION+ FAMILIES TO BE SUPPORTED. The background is blue with illustrations of people wearing masks.

- ❖ NITI Aayog and Piramal Foundation launched 'Surakshit Hum Surakshit Tum Abhiyaan'.



- ❖ This is to provide home-care support to asymptomatic covid-19 patients or patients with mild symptoms.
- ❖ This campaign was launched in 112 Aspirational Districts.
- ❖ This campaign will be supported by Piramal Foundation.
- ❖ It will work with district magistrates to support training of NGOs and volunteers.

INTERNATIONAL

President of the UN General Assembly

- ❖ Foreign Minister Abdulla Shahid (Maldives) was elected as the President of the UN General Assembly for 2021-22.
- ❖ Abdulla Shahid won against Afghanistan's former foreign minister Zalmi Rassoul.
- ❖ Maldives will occupy office of President of UNGA for the first time.
- ❖ Election to UNGA presidential post is held annually.

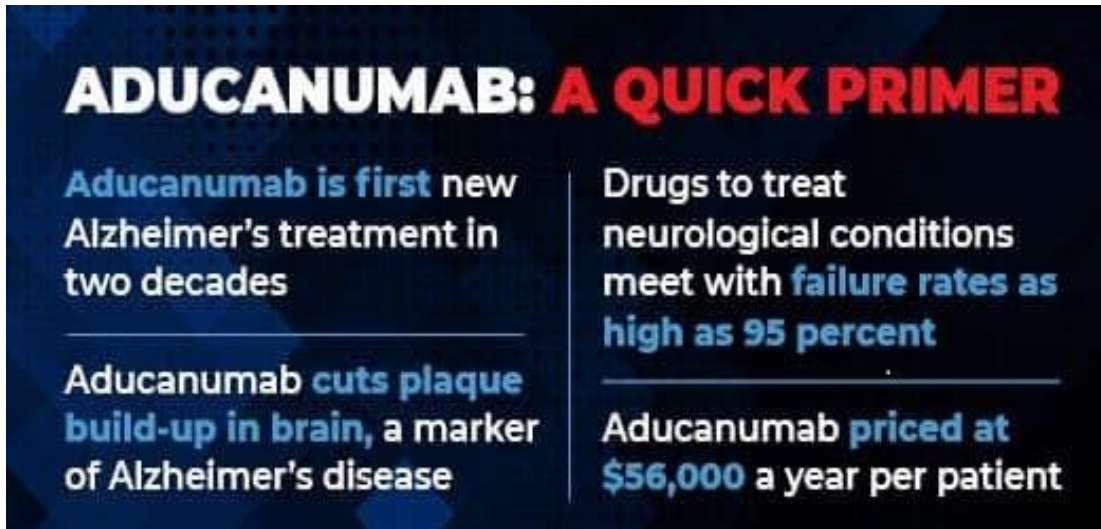
Russia withdraws from Open Skies Treaty

- ❖ Russian President Vladimir Putin recently signed a law formalizing Russia's withdrawal from Open Skies Treaty.
- ❖ This is after United States withdrew from pact in 2020.
- ❖ Open Skies Treaty is an international treaty that allows nations to collect information on one another's military forces.
- ❖ This was to increase transparency.
- ❖ United States withdrew from pact in November 2020 after accusing Russia of violating it.

Aducanumab

- ❖ Aducanumab (Aduhelm) is the new drug approved by the US Food and Drug Administration (FDA) for treating Alzheimer's disease.
- ❖ It is developed by the company Biogen.
- ❖ Alzheimer's disease causes the accumulation of the debris caused by the breakdown of neurons in the brain.
- ❖ This leads to plaque formation.

- ❖ Aducanumab is a monoclonal antibody.
- ❖ It is designed to reduce the presence of amyloid beta, a protein that forms plaques in the brain.



ADUCANUMAB: A QUICK PRIMER

- Aducanumab is first new Alzheimer's treatment in two decades
- Aducanumab cuts plaque build-up in brain, a marker of Alzheimer's disease
- Drugs to treat neurological conditions meet with failure rates as high as 95 percent
- Aducanumab priced at \$56,000 a year per patient

Remain in Mexico policy ended

- ❖ The United States has formally ended the Trump's "remain in Mexico" policy.
- ❖ This policy forced thousands of Central American asylum-seekers to wait in Mexico for U.S. court cases.
- ❖ After ending this policy more than 11,000 migrants enrolled in it have been allowed to enter the United States to pursue asylum claims.

ECONOMY

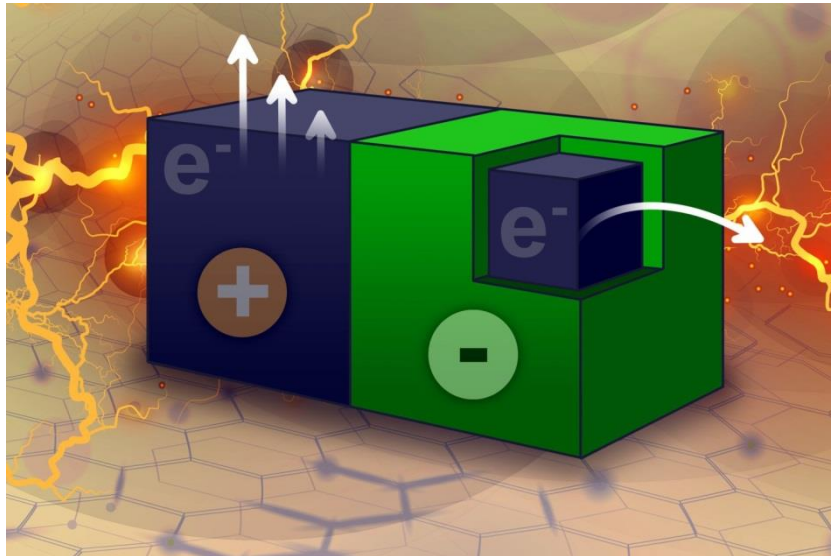
Global corporate tax deal

- ❖ Finance ministers from wealthy G7 nations have endorsed a new global corporate tax deal.
- ❖ The agreement will now be discussed in detail at a meeting of G20 financial ministers and central bank governors in July.
- ❖ The aim is to counter tax avoidance to make companies pay in the countries where they do business.
- ❖ The agreement commits states to a global minimum corporate tax rate of 15% to avoid countries undercutting each other.

SCIENCE AND TECHNOLOGY

Electricity from carbon nanotubes

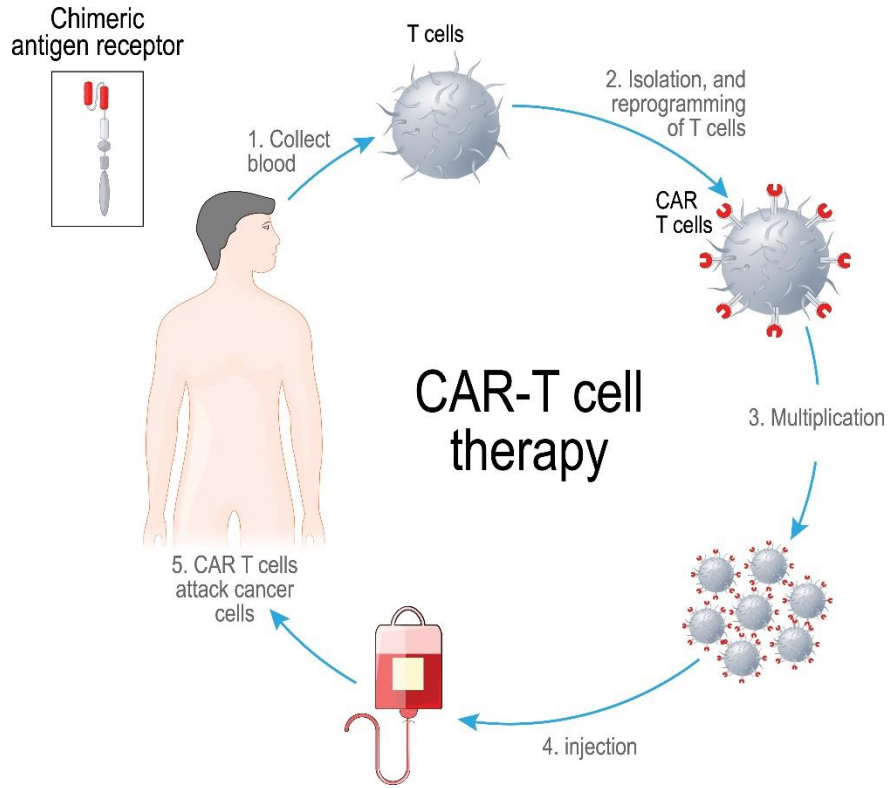
- ❖ MIT engineers (Massachusetts Institute of Technology) have discovered a new way of generating electricity using carbon nanotubes.
- ❖ A new material made up of carbon nanotubes has potential to generate electricity by collecting energy from its environment.
- ❖ These micro carbon particles can create current by interacting with liquid around them.
- ❖ Liquid, an organic solvent, attracts electrons out of the nanoparticles, which generates current.



CAR-T cell therapy

- ❖ The clinical trials of Chimeric Antigen Receptor T-cell (CAR-T) therapy were conducted globally.
- ❖ It has shown promising results on end stage cancer patients, especially in patients of Acute Lymphocytic Leukemia.
- ❖ First CAR-T cell Therapy was done by IIT Bombay and cancer care in India.
- ❖ It was done at Bone Marrow Transplant unit of Tata Memorial Centre in Mumbai.
- ❖ CAR-T cells were designed and manufactured at Bioscience and Bioengineering (BSBE) department, IIT Bombay.
- ❖ This was also supported by BIRAC-PACE scheme.

- ❖ Now, this therapy will undergo Phase I and II trial of their CAR-T product through National Biopharma Mission.



ENVIRONMENT

Sea snot



- ❖ Turkey's Sea of Marmara has witnessed the largest outbreak of 'sea snot'.
- ❖ Sea of Marmara connects the Black Sea to the Aegean Sea.

- ❖ Sea snot is a slimy layer of grey or green sludge.
- ❖ It can cause considerable damage to the marine ecosystem.
- ❖ It is formed when algae are overloaded with nutrients.

PERSONALITIES, AWARDS, AND EVENTS

Times 50 Most Desirable Women 2020

- ❖ The Times 50 Most Desirable Women 2020 list has been unveiled recently.
- ❖ It features women under 40 across various fields.
- ❖ Rhea Chakraborty has bagged the number 1 spot on Times Most Desirable Women 2020 list.
- ❖ She was in the news for most of last year due to the sudden demise of Sushant Singh Rajput and the controversy around his death.
- ❖ Miss Universe 2020, 3rd runner-up Adline Castelino bagged the second spot in the list.
- ❖ Actress Disha Patani, Kiara Advani and Deepika Padukone were on the third, fourth and fifth spot respectively.

SPORTS

Sunil Chhetri



- ❖ 36 years old Indian footballer, Sunil Chhetri, has surpassed Argentina's Lionel Messi.
- ❖ He has become second-highest active international goal-scorer with 74 strikes.
- ❖ Chhetri now leads Barcelona star Messi by two goals.



- ❖ He is placed above Ali Mabkhout of UAE, who is at third place with 73 strikes.
- ❖ He achieved this feat against Bangladesh.
- ❖ Sunil Chhetri is popularly known as Captain Fantastic.
- ❖ Following Cristiano Ronaldo, Chhetri is the second-highest international goal scorer among active players.

MISCELLANEOUS

QS World University Rankings 2022

Top varsities | JNU, featuring for the first time in the QS World Universities Ranking list, is among the top-600 in the world *= indicates shared ranking*

2022 global rank	Name
177=	Indian Institute of Technology, Bombay
185	Indian Institute of Technology, Delhi
186=	Indian Institute of Science, Bengaluru
255=	Indian Institute of Technology, Madras
277=	Indian Insititute of Technology, Kanpur
280	Indian Insititute of Technology, Kharagpur
395=	Indian Insititute of Technology, Guwahati
400=	Indian Institute of Technology, Roorkee
501-510 (ranking band)	University of Delhi
561-570 (ranking band)	Jawaharlal Nehru University, Delhi

- ❖ The London-based Quacquarelli Symonds (QS) has released the QS World University Rankings 2022.
- ❖ Eight Indian universities have found a place among the best 400 global universities in the QS World University Rankings 2022
- ❖ Three Universities got featured among the top 200. They are,
 - IIT-Bombay - 177.
 - IIT-Delhi - 185
 - IISc, Bengaluru - I86
- ❖ The Indian Institute of Science (IISc), Bengaluru, has also been adjudged as "world's top research university".



- ❖ It has achieved a perfect score of 100/100 for Citations Per Faculty (CPF) indicator, which measures research impact.
- ❖ This is the first time that any Indian institute has scored a perfect 100 in research or any other parameter.
- ❖ Massachusetts Institute of Technology (MIT) of USA has topped the ranking for the 10th years in a row.
- ❖ MIT is followed by the University of Oxford of England in the second position.
- ❖ Stanford University of USA and the University of Cambridge of England shared the third spot.

