

July - 28

TNPSC BITS

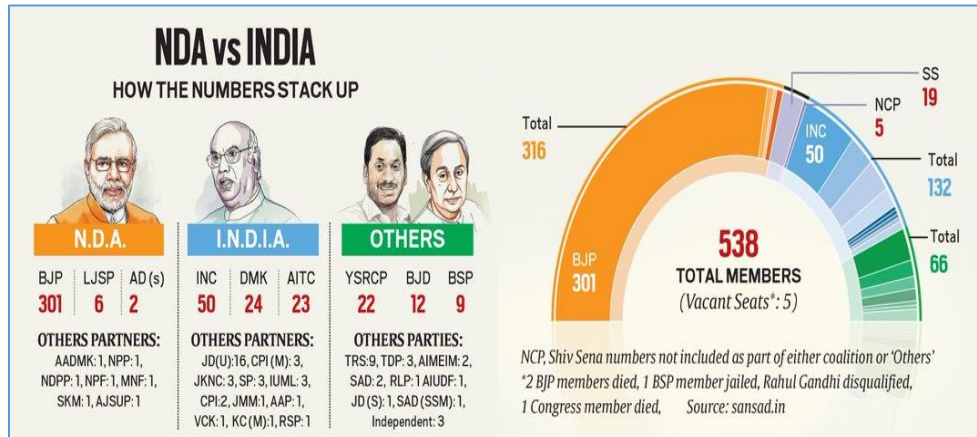
- ❖ The Union Ministry Jal Shakti has released the Manual for Disaster Management Plan (DMP).
- ❖ Central Govt approves 8.15% rate for Provident Fund (PF) deposits for 2022-23.
- ❖ India's first fisheries Atal incubation centre in fisheries is to be set up in the Kerala University of Fisheries and Ocean Studies (Kufos).
- ❖ Phangnon Konyak became the first woman member from Nagaland to preside over the Rajya Sabha.
 - She is also the first woman to be elected to Rajya Sabha from Nagaland (April 2022) and the second woman from the state to be elected to either house of the Parliament.
- ❖ Worldcoin, a cryptocurrency project, is founded by OpenAI CEO Sam Altman.

NATIONAL

No-confidence motion in Parliament

- ❖ Congress's deputy leader in the Lok Sabha Gaurav Gogoi submitted the no-confidence motion.
- ❖ This motion is meant to test whether the government of the day enjoys the confidence of the majority of the house, as under a parliamentary democracy.
- ❖ Any Lok Sabha MP with the signatures of 50 members can bring a no-confidence motion.
- ❖ Under Rule 198 of the Rules of Procedure and Conduct of Lok Sabha, a member has to move a written notice before 10 am.
- ❖ It will be read out by the speaker within 10 days of the written motion being submitted.
- ❖ Once the speaker reads out the motion in the House, a minimum of 50 members will have to rise in support of it for the speaker to give a date or dates for discussion of the motion.
- ❖ This motion was the 28th no-confidence motion since Independence in the Lok Sabha.
- ❖ Also, this was the second faced by the current government.
- ❖ In 2018, it defeated the first no-confidence motion.

- ❖ The first no-confidence motion of independent India was moved against the Jawaharlal Nehru government in 1963 by Acharya J.B. Kripalani.
- ❖ Indira Gandhi faced 15 no-confidence motions in her 16-year tenure.
- ❖ Both Jawaharlal Nehru and Rajiv Gandhi faced one motion each.
- ❖ Prime ministers Charan Singh, V.P. Singh, Chandra Shekhar, H.D. Deve Gowda and I.K. Gujral did not face any such motion.



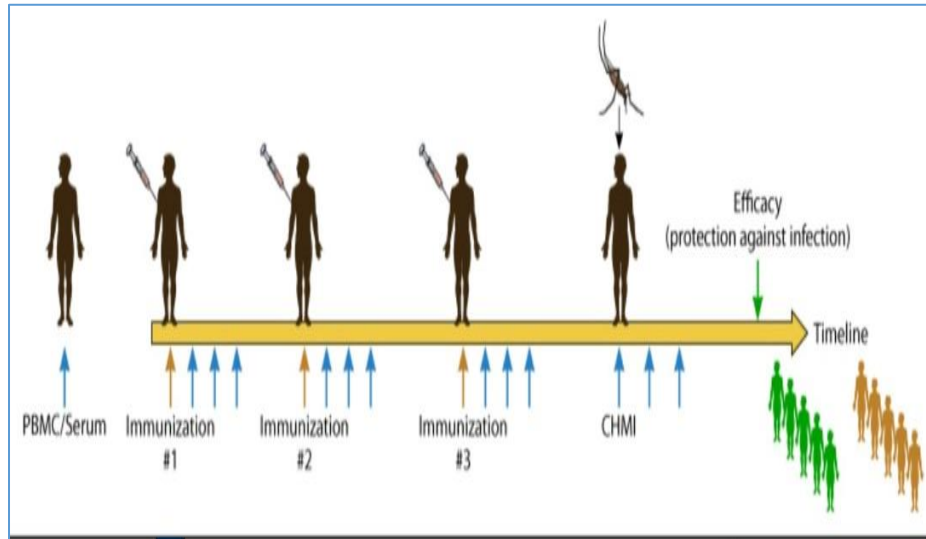
Deletion of MGNREGA Job Cards

National	
1.Total No. of Districts	739
2.Total No. of Blocks	7,172
3.Total No. of GPs	2,69,664
Job Card	
4.Total No. of Job Cards issued[In Cr]	14.89
5.Total No. of Workers[In Cr]	26.35
6.Total No. of Active Job Cards[In Cr]	9.72
7.Total No. of Active Workers[In Cr]	14.42
8.(i)SC worker against active workers[%]	19.74
9.(ii)ST worker against active workers[%]	16.27

- ❖ More than five crore job cards under the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) were cancelled in 2022-23.
- ❖ This is 247 per cent more than the number of deletions in 2021-22
- ❖ In 2021-22, 1,49,51,247 MGNREGA job cards were deleted.
- ❖ In 2022-23, 5,18,91,168 job cards were cancelled.
- ❖ West Bengal, Andhra Pradesh and Telangana were among the states which saw the highest number of deletions.

- ❖ The deletions were made due to reasons like "fake" job cards, duplicate job cards, people not willing to work anymore, family shifted from Gram Panchayat permanently, or person's death.

Controlled Human Infection Studies

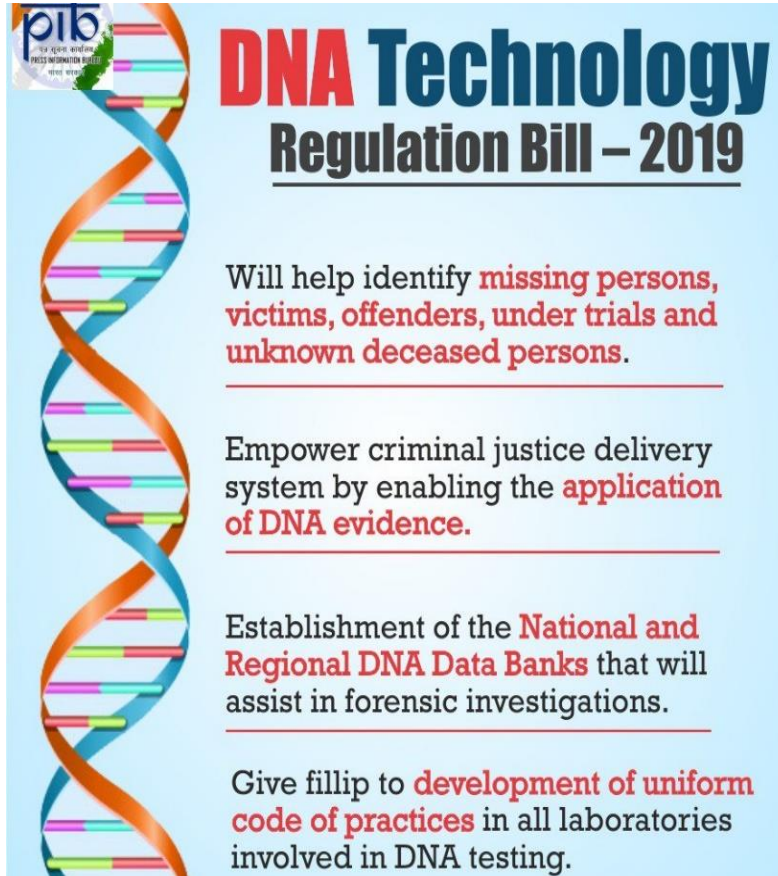


- ❖ The Indian Council of Medical Research (ICMR) has embarked on introducing Controlled Human Infection Studies (CHIS).
- ❖ The innovative research model involves deliberately exposing healthy volunteers to pathogens within a controlled environment.
- ❖ CHIS is also known as Controlled Human Infection Model studies (CHIMs).
- ❖ It involves deliberately infecting healthy volunteers with specific pathogens in a regulated manner to study disease progression, and host-pathogen interactions, and assess the efficacy of novel vaccines.
- ❖ This method allows for faster and more cost-effective outcomes compared to traditional large-sample clinical trials.

The DNA Technology (Use and Application) Regulation Bill 2019

- ❖ The government withdrew The DNA Technology (Use and Application) Regulation Bill 2019 from the Lok Sabha.
- ❖ This Bill was introduced in the Lok Sabha in July 2019.
- ❖ Then it was referred to the Department-related Parliamentary Standing Committee on Science and Technology.
- ❖ The Bill had three primary objectives.

- ❖ First, it sought to set up a DNA profiling board as the regulatory body.
- ❖ The Bill also provided for the creation of databases- DNA Data Banks for storing of DNA information collected from convicts and accused.
- ❖ This database could be indexed and searched for matching samples from crime scenes.
- ❖ And third, it sought to facilitate collection of DNA samples from the convicts and accused.



DNA Technology Regulation Bill – 2019

Will help identify **missing persons, victims, offenders, under trials and unknown deceased persons.**

Empower criminal justice delivery system by enabling the **application of DNA evidence.**

Establishment of the **National and Regional DNA Data Banks** that will assist in forensic investigations.

Give fillip to **development of uniform code of practices** in all laboratories involved in DNA testing.

INTERNATIONAL

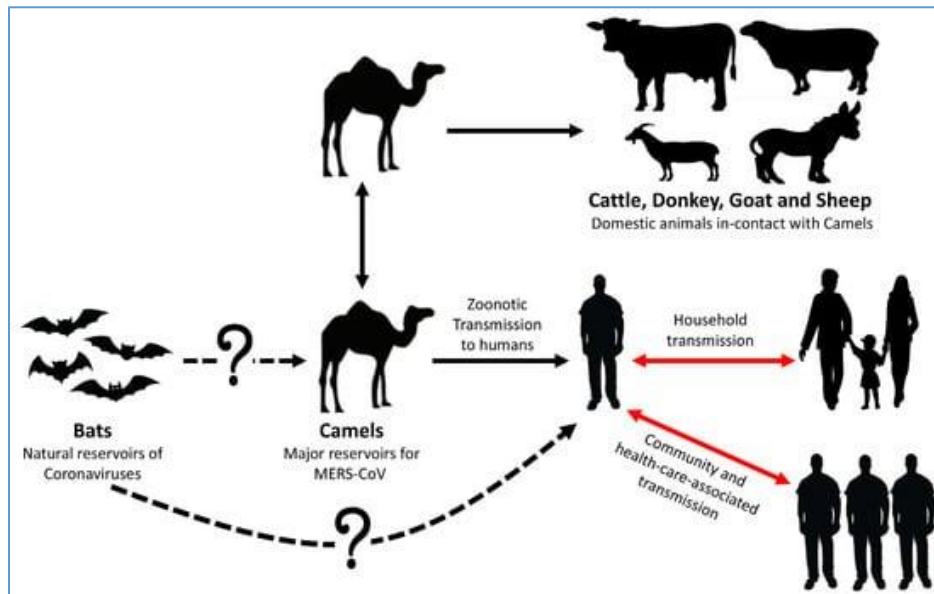
Israel's Judicial Reform Bill

- ❖ Israel's parliament passed the controversial "reasonable standard bill."
- ❖ This is the first major legislation in the government's plan to weaken the judiciary.
- ❖ This bill strips the Supreme Court of the power to declare government decisions unreasonable.

- ❖ It scraps the requirement for ministers to obey the advice of their legal advisers - guided by the attorney general



First case of MERS-CoV in 2023

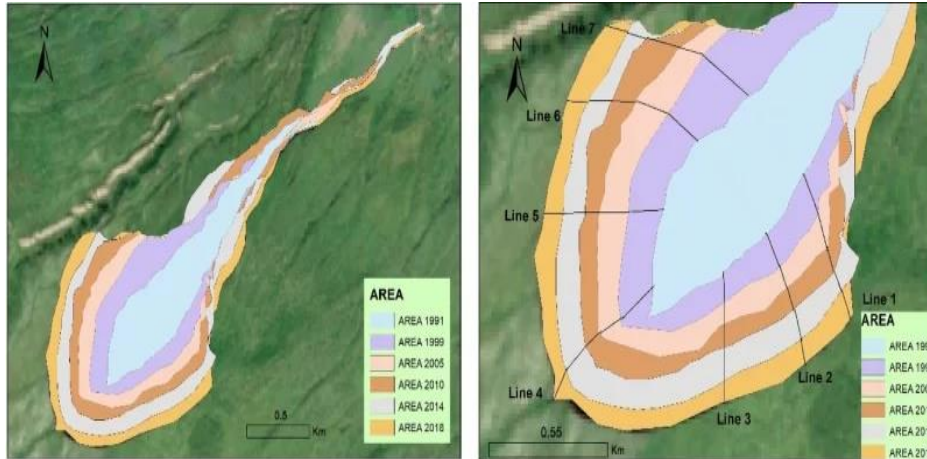


- ❖ World Health Organization (WHO) has identified a case of Middle East Respiratory Syndrome Coronavirus (MERS-CoV) from United Arab Emirates (UAE).
- ❖ MERS-CoV is a viral respiratory infection that is caused by a coronavirus called Middle East respiratory syndrome coronavirus (MERS-CoV).

- ❖ Humans are infected with direct or indirect contact with dromedary camels.
- ❖ They are the natural host and zoonotic source of the MERS-CoV infection.
- ❖ The first case of MERS-CoV was reported in UAE in July 2013.

ENVIRONMENT

Batagaika Crater

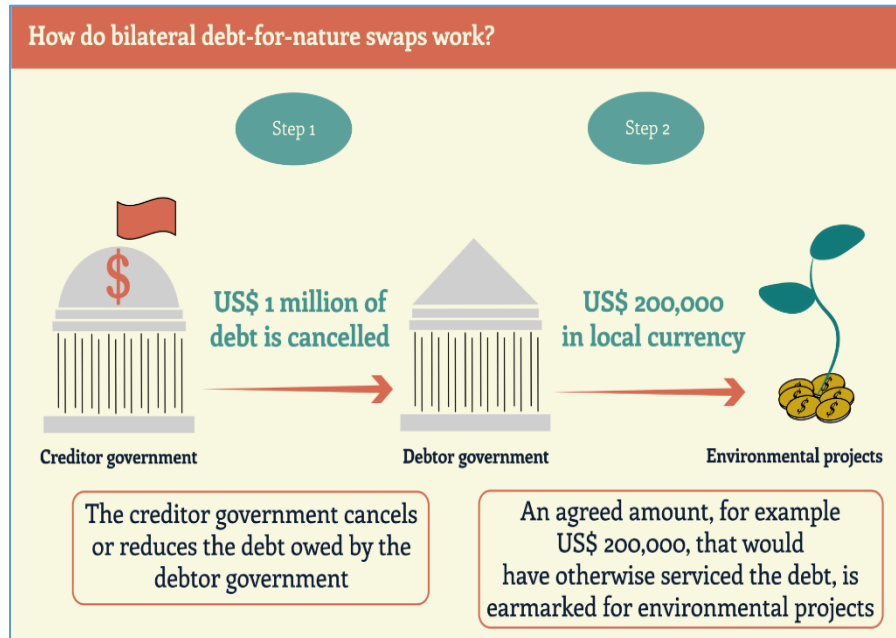


- ❖ Russia's Batagaika Crater is located in the far eastern Siberian taiga (that is, boreal forest).
- ❖ It's a rapidly growing 1-kilometer (0.6-mile) pit.
- ❖ Scientists call it as a mega-slump.
- ❖ The expanding crater highlights rapid changes occurring even to Earth's geology, as Earth's climate changes in this century.
- ❖ As the active soil slumps, more of the surrounding and underlying frozen soil is exposed and melts.
- ❖ It causing the land to slump further and the extent and speed of the permafrost thawing to increase.
- ❖ Batagaika Crater is expanding about 10 meters (33 feet) per year.

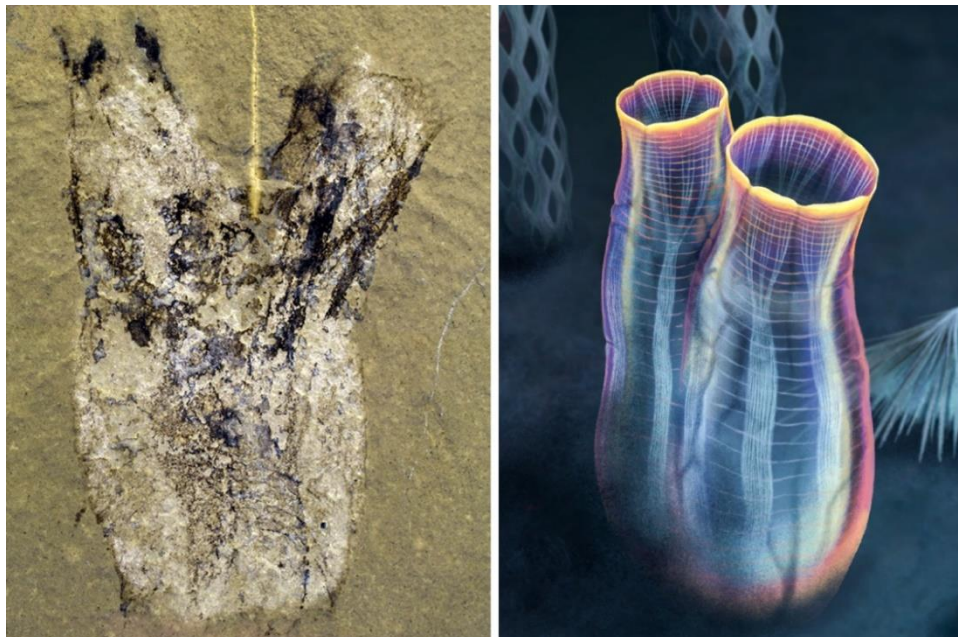
Debt-for-Nature Swap Initiative

- ❖ The Central African nation Gabon became the African nation to launch a debt-for-nature swap.
- ❖ It plans to buy up at least \$450 million of its government debt in exchange for an eco-friendly blue bond.

- ❖ Debt-for-nature swap is when creditors provide debt relief for developing countries who commit to taking steps towards the conservation of the environment.



Megasiphon Thylacos



- ❖ Palaeontologists have made an exciting discovery—a fossil of a tunicate dating back 500 million years.

- ❖ A 'tunicate' fossil has represented the first-ever discovery with intact soft tissues and holds the distinction of being the oldest of its kind.
- ❖ Today, some 3000 species of tunicate live in almost every habitat of the oceans.
- ❖ Tunicates are the closest relatives of vertebrates, which includes fish, mammals, and even humans.

REPORTS AND INDICES

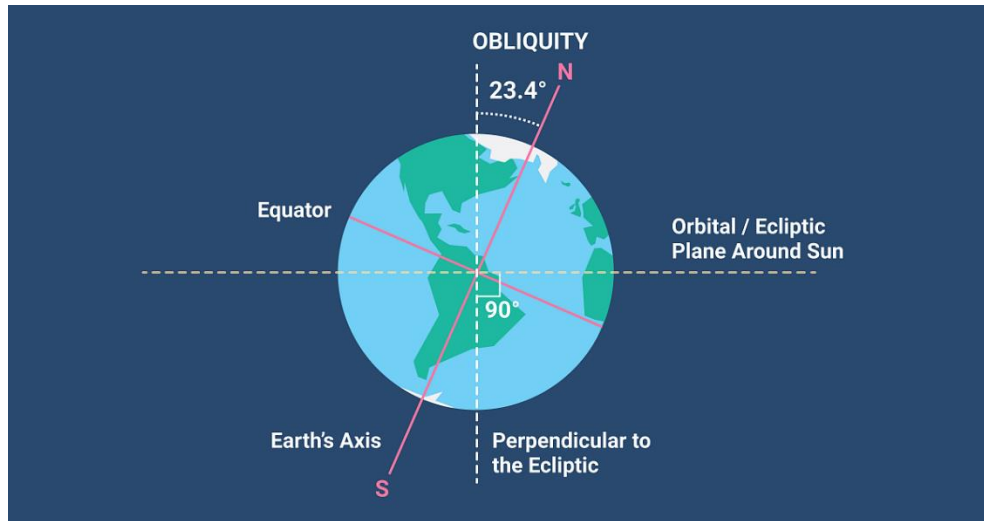
Detox Development Report



- ❖ A report titled “Detox Development: Repurposing Environmentally Harmful Subsidies” was released by the World Bank.
- ❖ The large amounts of money are wasted on subsidies for agriculture, fishing, and fossil fuels
- ❖ It could be utilized to tackle climate change and benefit humanity and the environment, rather than causing harm.
- ❖ The subsidies in the three sectors exceeded \$7 trillion which amounted to 8% of the global gross domestic product.
- ❖ Explicit subsidies i.e. direct government expenditures in the three sectors amounted to \$1.25 trillion.
- ❖ It is equal to the size of a big economy like Mexico.

- ❖ Implicit subsidies i.e. a measure of the subsidies' impact on people and the planet amounted to over \$6 trillion per year with the poor experiencing the larger burden.
- ❖ Countries spent \$577 billion to actively lower the price of polluting fuels such as oil, gas, and coal in 2021.

Groundwater Extraction Tilts the Earth Report



- ❖ As per the Geophysical Research Letters, Groundwater Extraction on Earth's Rotational Axis and its contribution to global sea-level rise.
- ❖ Groundwater pumping has tilted Earth nearly 80 centimetres east between 1993 and 2010 alone.
- ❖ The water circulated across the planet determines how mass is distributed.
- ❖ Between 1993 and 2010, people pumped 2,150 gigatons of groundwater, or more than 6 millimetres of sea level increase.


STATES

Lumpy skin disease positive state

- ❖ Nagaland has been officially declared as a Lumpy Skin Disease (LDS) positive state.
- ❖ This is announced in accordance with the "Prevention and Control of Infectious and Contagious Diseases in Animals Act, 2009.
- ❖ This disease is caused by the Capripox virus also known as the "Neethling."
- ❖ Lumpy skin disease is a poxviral disease with significant morbidity in cattle.

- ❖ Although the mortality rate is generally low, economic losses result from loss of condition, decreased milk production, abortions, infertility and damaged hides.

LSD: CAUSE AND EFFECT	
<ul style="list-style-type: none">> Lumpy skin disease is a viral disease that affects cattle> It is transmitted by blood-feeding insects like certain species of mosquitoes and flies, or ticks> It can spread through saliva and contaminated feed and fodder> It can spread rapidly in warm and moist conditions> It causes fever, nodules on the skin, enlargement of lymph	<ul style="list-style-type: none">nodes, depression and can also lead to death> Causes reduced milk yield, abortion in pregnant animals and sterility in bulls> Control options include vaccination and culling of infected animals



PERSONALITIES, AWARDS, AND EVENTS

RSL Christopher Bland Prize 2023



- ❖ Actor-author Paterson Joseph has won the RSL Christopher Bland Prize 2023.
- ❖ This is awarded for his debut novel 'The Secret Diaries of Charles Ignatius Sancho'.
- ❖ The book is a historical fiction about Charles Ignatius Sancho, who was the first Black man to vote in England.

- ❖ Recently, he has been officially installed as Chancellor of Oxford Brookes University.

IMPORTANT DAYS

CRPF Day 2023 - July 27



- ❖ This day commemorates the formation of the central force on this day in 1939.
- ❖ CRPF is an integral part of India's internal security and one of the oldest Central Armed Police Forces (CAPF).
- ❖ The force was renamed as CRPF by an Act of Parliament passed on December 28, 1949.
- ❖ Until 1965, the CRPF guarded the India-Pakistan border.

