

THINK IAS

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10 August 2024

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 **SAMYAK IAS, NEAR RIDDHI-SIDDHI, JAIPUR**

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Geography

Relevance: Geography of the World

1. Lake Turkana - Indian Express

Context

The initial findings from the 10-year research project led by UNESCO and WFP, funded by the Dutch Government, reveal high fish potential in Africa's fourth-largest lake.

Lake Turkana

Lake Turkana

- Location:** Northern region of Kenya in the Eastern Rift Valley with its far northern end extending to Ethiopia.
- Inflowing rivers:** Omo, Turkwel and Kerio, but only Omo River is perennial, contributing 90% of the inflow of water each year.
- Size:** Africa's fourth-largest lake & largest permanent desert lake globally.
- Significance:** A UNESCO World Heritage site.
- Climate:** Lies in a hot, arid, and remote region.
- Water:** Semi-saline waters, driven by high evaporation rates and fluctuating lake levels of up to 8 meters per decade.



Which one of the following lakes of West Africa has become dry and turned into a desert? (2022)

- A. Lake Victoria
- B. Lake Faguibine
- C. Lake Oguta
- D. Lake Volta

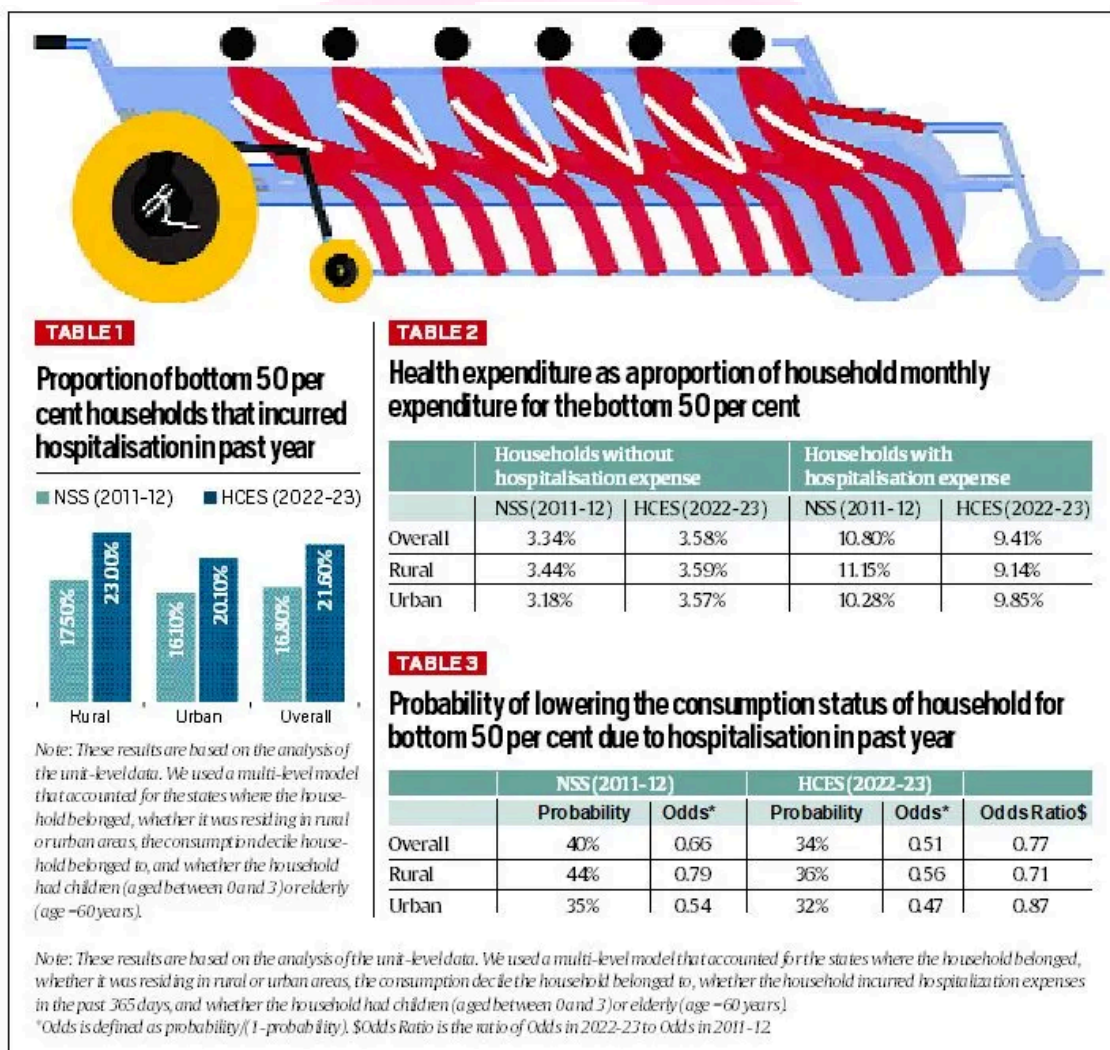
Society

Relevance: Indian Society

2. Reducing the poor's health burden - Indian Express

Context

Analysis of unit-level data from the Household Consumption Expenditure Survey (HCES 2022-23) has revealed a dramatic decline in the incidence of poverty since 2011-12. A household's ability to cope with adverse shocks is essential to well-being and is a critical welfare measure. Quantifying this, however, remains a challenge.



Shocks to households

- **Financial Challenge:** In India, where out-of-pocket medical expenses account for a large portion of healthcare costs, the burden of medical expenditure becomes acute in cases of hospitalisation, where the costs are higher, sudden & unexpected.

- **Medical Shocks:** While routine medical expenses, such as consultations, medications, and minor treatments, are relatively predictable and can be managed within a household's monthly budget, hospitalisation often involves a large lump-sum payment.
- **Economic Implications of Medical Expenditure:** When a household is forced to allocate a significant portion of its income to medical costs, it often has to make difficult trade-offs like reduced spending on nutritious food, forgoing education expenses, or neglecting home maintenance.

Recent Government initiatives related to healthcare

<p>Recent Government initiatives related to healthcare</p>	<p>National Health Mission: Launched by govt in 2013 subsuming National Rural Health Mission (2005) & National Urban Health Mission (2013).</p>
	<p>Pradhan Mantri Jan Arogya Yojana (AB-PMJAY): World's largest health insurance scheme fully financed by the govt launched in 2018. It offers a sum insured of Rs.5 lakh per family for secondary care and tertiary care.</p>
	<p>National Medical Commission: A statutory body established under the National Medical Commission Act, 2019 to improve access to quality and affordable medical education.</p>
	<p>PM National Dialysis Programme: The programme was announced by the Ministry of Health & Family Welfare in 2016 under the National Health Mission (NHM) in PPP (Public-Private Partnership) model to provide free dialysis services to the poor.</p>
	<p>Janani Shishu Suraksha Karyakram (JSSK): Launched on 1st June, 2011, the scheme is to benefit pregnant women who access Government health facilities for their delivery.</p>
	<p>Rashtriya Bal Swasthya Karyakram (RBSK): It involves screening of children from birth to 18 years age for 4 Ds- Defects at birth, Diseases, Deficiencies and Development delays, spanning 32 common health conditions.</p>

With reference to Ayushman Bharat Digital Mission, consider the following statements: (2022)

1. Private and public hospitals must adopt it.
2. As it aims to achieve universal health coverage, every citizen of India should be part of it ultimately.
3. It has seamless portability across the country.

Which of the statements given above is/are correct?

- A. 1 and 2 only
- B. 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Polity

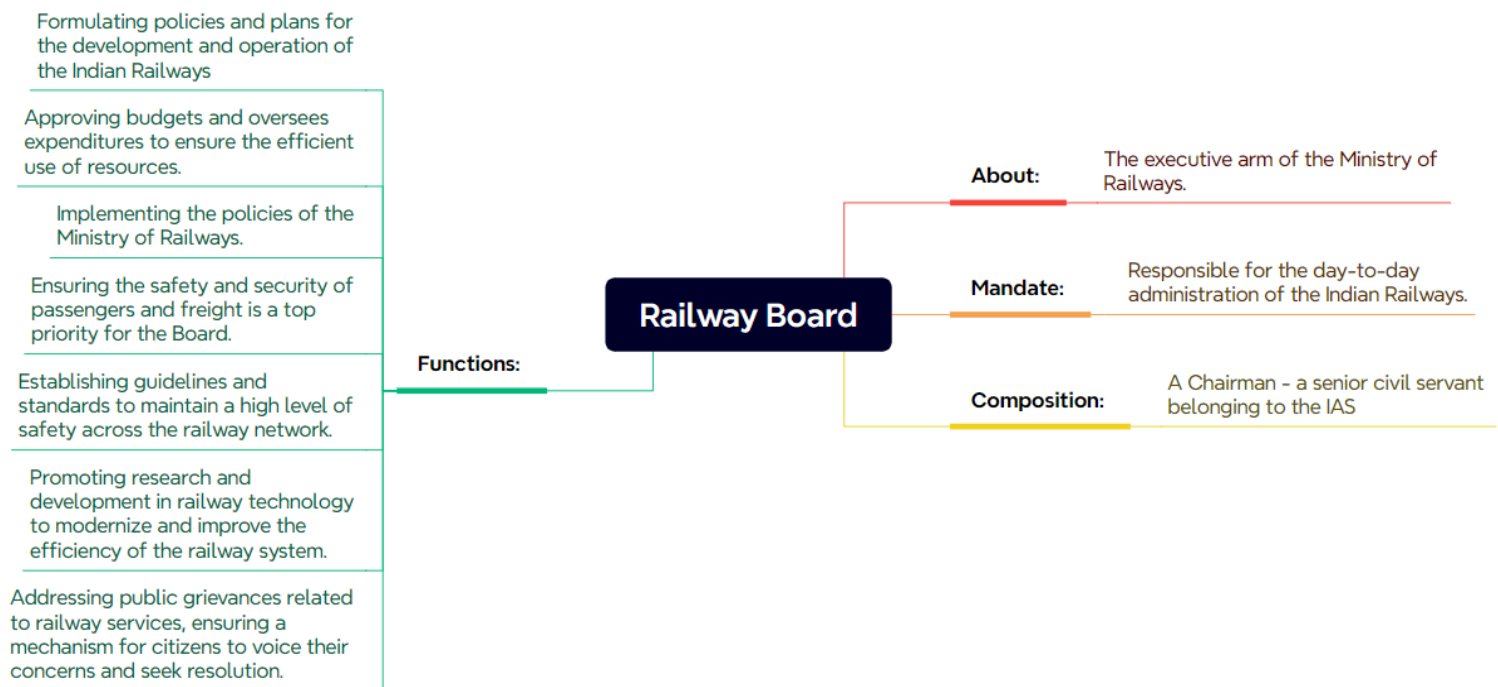
Relevance: Parliament and State Legislatures—Structure, Functioning, Conduct of Business, Powers & Privileges and Issues Arising out of these

3. New Bill to give statutory powers to Railway Board - The Hindu

Context

Union Railway Minister recently introduced the Railways (Amendment) Bill, 2024 in the Lok Sabha, which seeks to grant statutory powers to the Railway Board and enhance the functioning and independence of the body.

Railway Board



Relevance: Parliament and State Legislatures—Structure, Functioning, Conduct of Business, Powers & Privileges and Issues Arising out of these

4. Nandini Sahakar Yojana - PIB

Context

Any cooperative society with three months in operation can be given assistance in the form of credit linkage for an infrastructure term loan.

Eligibility:

No limit on financial assistance to projects by women cooperatives.

Funding:

A women focused framework of financial assistance, project formulation, hand-holding and capacity development.

About:

Assisting women cooperatives to take up business model-based activities under the purview of the National Cooperative Development Corporation (NCDC).

Aim:

Nandini Sahakar Yojana



World Affairs

Relevance: India and its Neighborhood- Relations

5. EAM reaches Maldives on a 3-day visit, meets counterpart - Indian Express

Context

In the first high-level visit to Maldives since President Mohamed Muizzu came to power, External Affairs Minister S Jaishankar recently met Maldives Foreign minister Moosa Zameer in Male to discuss all areas of bilateral cooperation to deepen the partnership.

India - Maldives Relations - A background

- **Initial Diplomatic Ties (1965-1978):** Maldives gained independence from the British in 1965, and established diplomatic relations with India. India was one of the first countries to recognize it as an independent nation.
- **Strategic Partnership (1978-1988):** Maritime Boundary Agreement was signed in 1979 to define the maritime boundaries between them.
- **Political issues (1988-2008):** In 1988, a coup attempt in the Maldives led to the intervention of Indian forces by Operation Cactus.
- **Economic Cooperation (2008-2013):** In 2008, after the Maldives experienced a peaceful political transition, and Mohamed Nasheed became the President, relationship between started focusing on economic cooperation, trade, and people-to-people ties.

- **Period of turmoil (2013-2018):** During the presidency of Abdulla Yameen, India raised concerns over issues such as democratic backsliding, human rights, and a perceived tilt towards China.

- **Renewed Engagement (2018 Onward):** The election of Ibrahim Mohamed Solih as the President of the

Maldives in 2018 marked a positive shift in bilateral relations. Both countries extended financial assistance for various developmental projects.



- **Current Status:** The Maldives has recently found itself in the midst of diplomatic turmoil, raising questions about its relations with India through undiplomatic remarks, military positioning, and the scrapping of crucial agreements. Maldives has also signed new deals with China.

Maldives' importance for India

10 REASONS WHY MALDIVES IS IMPORTANT FOR INDIA




1 Strategically located in the Indian Ocean, Maldives archipelago comprising 1,200 coral islands lies next to key shipping lanes which ensure uninterrupted energy supplies to countries like China, Japan and India

2 Since China started to send naval ships to Indian Ocean roughly 10 years ago – and right up to Gulf of Aden for anti-piracy operations – Maldives' significance has steadily grown and now its at the heart of international geopolitics

3 As the pre-eminent South Asian power and a 'net security provider' in the Indian Ocean region, India needs to cooperate with Maldives in security and defence sectors.

4 China's massive economic presence in Maldives is a major concern for India. With the country now said to owe 70% of its external aid to China, India had to push back. The current political crisis might just have offered India the right opportunity.

5 A large section of population which supports the opposition parties like Nasheed's MDP wants India to act against Yameen.

6 Maldives is also a member of SAARC. It is important for India to have Maldives on board to maintain its leadership in the region. Maldives was the only SAARC country which seemed reluctant to follow India's call for boycott of SAARC summit in Pakistan after the Uri attack

7 Under Yameen, radicalization grew rapidly and it was often said that the archipelago accounted for one of the highest numbers of foreign fighters in Syria in terms of per capita. India can ill-afford a neighbor which fails to check Islamic radicalization.

8 India and Maldives share ethnic, linguistic, cultural, religious and commercial links. India was among the first to recognize Maldives after its independence in 1965 and later established its mission at Male in 1972.

9 There are 25,000 Indian nationals living in Maldives (second largest expatriate community), Indian tourists also account for close to 6% of tourists Maldives receives every year.

10 India is also preferred destination for Maldivians for education, medical treatment, recreation and business. According to MEA, more and more Maldivians are seeking long term visa for pursuing higher studies/medical treatment in India.

Significance of India for Maldives

- **Commodities trade:** India supplies Maldives with its everyday essentials like rice, spices, fruits, vegetables, poultry, medicines and life-saving drugs.
- **Education:** Maldivian students also come to Indian higher educational institutions.
- **Economic assistance:** India emerged as Maldives' second largest trade partner in 2022.
- **Disaster Relief Assistance:** When a tsunami struck the islands in 2004, India was the first to send in help. During the Covid-19 pandemic, India sent essential medicines, masks, gloves, PPE kits and vaccines for the country.

Relevance: Effect of Policies and Politics of Developed and Developing Countries on India's interests, Indian Diaspora

6. US antitrust ruling against Google and its implications for India - Indian Express

Context

US court recently held that tech-giant Google violated antitrust laws to maintain a monopoly over “general search services” and “general search text ads” (ads that appear at the top of a search results page).

Recent judgement

- **Google's position as the “default” search engine:** This “default distribution” a “major, largely unseen advantage over its rivals”. Because users simply stick to searching with the default, Google receives billions of queries every day through those access points.
- **Limits itself to the “relevant geographic market” of the United States:** The market conditions for default browsers in India could weigh on the scales differently.

Earlier judgements against Google

- October 2022: Competition Commission of India (CCI) imposed a monetary penalty on Google because of the mandatory pre-installation of the Google Mobile Suite on Android devices with no option to uninstall the apps.

Issues faced by other competitors from Google strategy

- **Passing the barriers:** First, the new entrant would have to surmount the entry barriers to create a search engine of comparable quality to Google. These barriers would include high capital costs, access to distribution channels, and brand recognition.
- **Building an ads platform** that could monetise search on par with Google.
- **Huge investments:** Offsetting any revenue shortfall that might arise from reduced query volume (as some users would elect to stay with Google) or from inferior ad monetisation (as fewer users could mean fewer advertisers and less profitable ad

Large internet firms oppose 'ex-ante' regulations in digital competition law

A government panel has proposed a new digital competition law and prescribed ex-ante regulations

This is to pre-emptively regulate potential abuse of dominance by large digital companies

In an ex-ante framework, the law issues a set of proscriptions to prevent anti-competitive behaviour

THOSE IN FAVOUR

- Paytm has supported the framework only if large digital cos are subject to it
- MakeMyTrip favoured ex-ante regulations only to select large horizontal platforms
- Trade unions and industry bodies such as CAIT, NRAI also support ex-ante rules

THOSE AGAINST

- Zomato said the framework should not stifle innovation in the startup ecosystem
- Swiggy said ex-ante regulation may adversely impact small homegrown players
- Amazon and Flipkart said this system is 'largely untested' in EU

auctions, notwithstanding the quality of its delivery of ads).

Draft Competition Bill, 2024

- **Aim:** Preventing tech companies of this scale termed Systemically Significant Digital Enterprises (SSDEs) from participating in anti-competitive practices.
- **Imposes restrictions on SSDEs:** Barring SSDEs from favoring their own products and services, and from using or sharing users’ personal data without their consent.
- **Criticism:**
 - Big tech companies have objected to the Bill, saying that it imposes compliance burdens on them which would shift focus from innovation and research to ensure that companies do not engage in anti-competitive practices.
 - The Bill will also capture and target some Indian tech companies like Zomato, Swiggy or BigBasket, it will harm the innovation which is going on domestically.

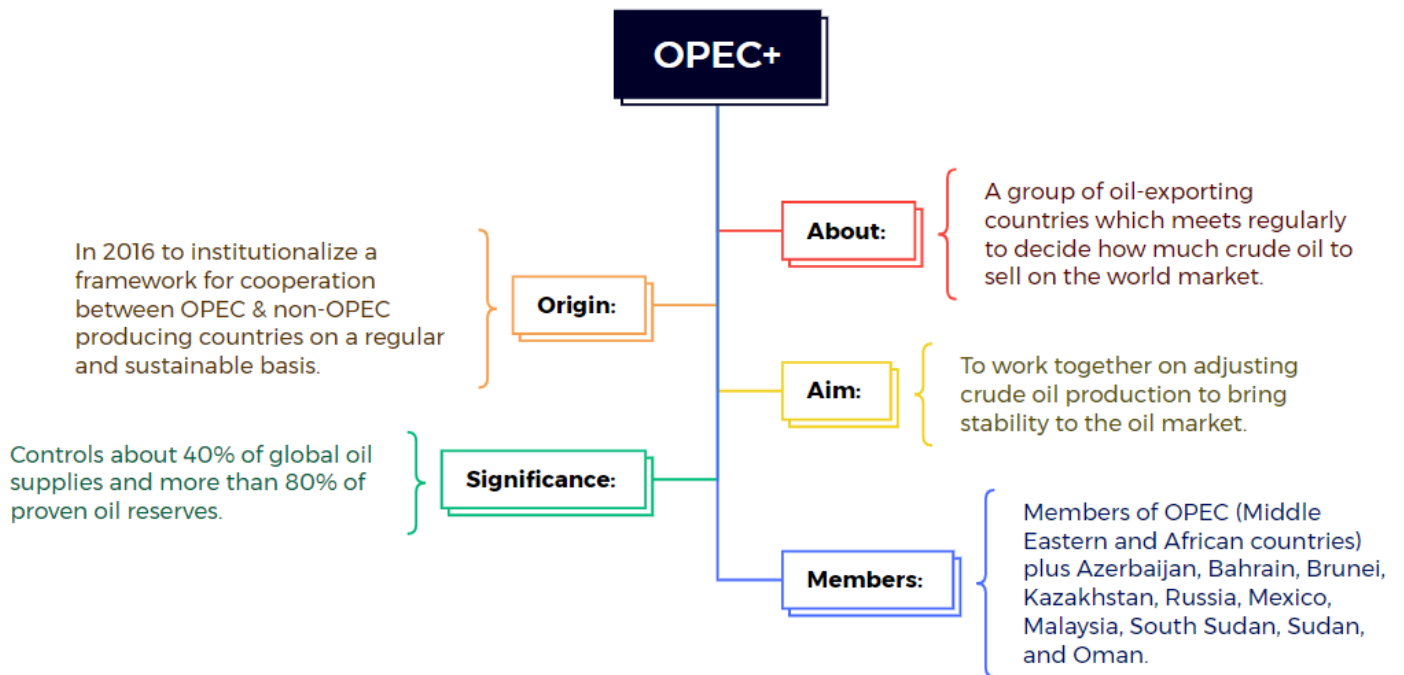
Regulations Governing Tech Companies in Other Countries

Country	Legislations	Description
Europe	Digital Markets Act (DMA) and Digital Services Act (DSA)	<ul style="list-style-type: none"> ● DMA: To eliminate harmful business practices by major digital players, fostering fairer competition. ● DSA: To regulate various online services, including websites, infrastructure, and platforms.
USA	Anti-trust legislation	<ul style="list-style-type: none"> ● Aim: To curb the dominance of Big Tech Companies, it empowers the states in competition cases and boosts federal regulators’ funding.
Australia	Competition watchdog recommendations Online Safety Act	<ul style="list-style-type: none"> ● Provides for stricter regulations for Facebook and Google to enhance media competition. ● Online Safety Act: It empowers authorities to mandate the removal of online bullying posts and imposes fines on companies and hosts involved.
Japan	Digital Platform Transaction Transparency Act (DPTTA)	<ul style="list-style-type: none"> ● DPTTA: It requires tech giants to disclose terms and conditions, prevent unfair trade practices, and protect user information to ensure fair competition.
Canada	Competition Act Amendments	<ul style="list-style-type: none"> ● About: Stricter rules for digital markets, targeting anti-competitive practices by large tech firms.

South Korea	Amendment to the Telecommunications Business Act	<ul style="list-style-type: none"> Ban on app store operators from enforcing in-app payment systems, promoting fair competition and consumer choice.
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Relevance: Bilateral, Regional and Global Groupings and Agreements involving India and/or affecting India's interests

7. OPEC+ - Indian Express



Organization of the Petroleum Exporting Countries (OPEC)

About:	A permanent intergovernmental organization of oil-exporting countries.
Aim:	To coordinate and unify the petroleum policies of its member countries & ensure the stabilization of oil prices in the international oil markets, to eliminate harmful and unnecessary fluctuations.
Establishment:	In Baghdad, Iraq, with the signing of an agreement in September 1960 by Islamic Republic of Iran, Iraq, Kuwait, Saudi Arabia, and Venezuela.
Members:	Algeria, Congo, Equatorial Guinea, Gabon, Iran, Iraq, Kuwait, Libya, Nigeria, Saudi Arabia, United Arab Emirates & Venezuela Headquarters: Vienna, Austria.

The main emphasis of OPEC (Organisation of the Petroleum Exporting Countries) is on which of the following? (2016)

- The production of petroleum
- Control over prices of petroleum
- Both (a) and (b)
- None of the above

Economy

Relevance: Inclusive Growth

8. Union Cabinet paves way for eight railway line projects, PMAY-U 2.0 - The Hindu

Context

The Union Cabinet recently approved eight new railway projects at an estimated cost of ₹24,657 crore to provide connectivity, facilitate ease of travelling, minimise logistics costs, reduce oil imports and lower carbon dioxide emissions. Expected to be completed by 2030-31, the projects cover 14 districts in the seven States of Odisha, Maharashtra, Andhra Pradesh, Jharkhand, Bihar, Telangana and West Bengal, which will increase the existing network of the railways by 900 km.

Pradhan Mantri Awas Yojana

- **About:** A credit-linked subsidy scheme initiated to provide affordable housing to low and moderate-income residents across the country.

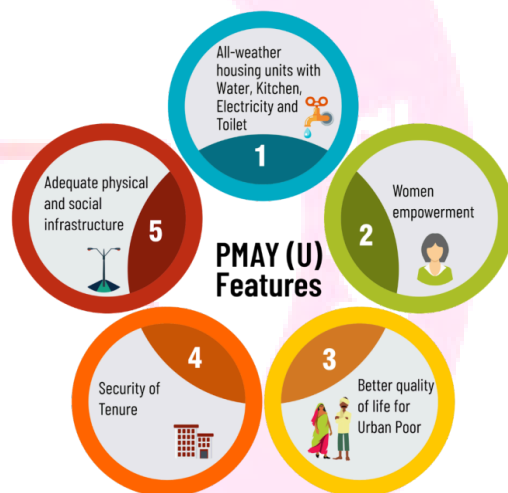
- **2 components:**

- **PMAY-U (Urban):**

- **Aim:** To provide housing for all in urban areas.
- **Beneficiaries:** Economically Weaker Section (EWS), Low-Income Group (LIG), and Middle-Income Group (MIG).

- **PMAY-G (Gramin):**

- **Aim:** To provide a pucca house with basic amenities to all rural families who are homeless or living in kutcha or dilapidated houses.
- **Beneficiaries:** Eligible under Socio-Economic and Caste Census (SECC) 2011.
- **Financial Assistance:** Rs. 1.2 lakh in plain areas and



Pradhan Mantri Awas Yojana – Gramin
Transforming rural housing in India

To provide housing to all by 2022

With LPG & electricity connections, toilets & drinking water, PMAY-G houses are changing the rural landscape

Average time for house construction under PMAY-G down to 114 days, against 314 days

More than 1.20 crore rural houses built

As on 16th November, 2018

Rs. 1.3 lakh in hilly, difficult, and Integrated Action Plan (IAP) areas.

- **Convergence with other schemes:** Swachh Bharat Mission (SBM) for toilet construction, and MGNREGA for wage employment.

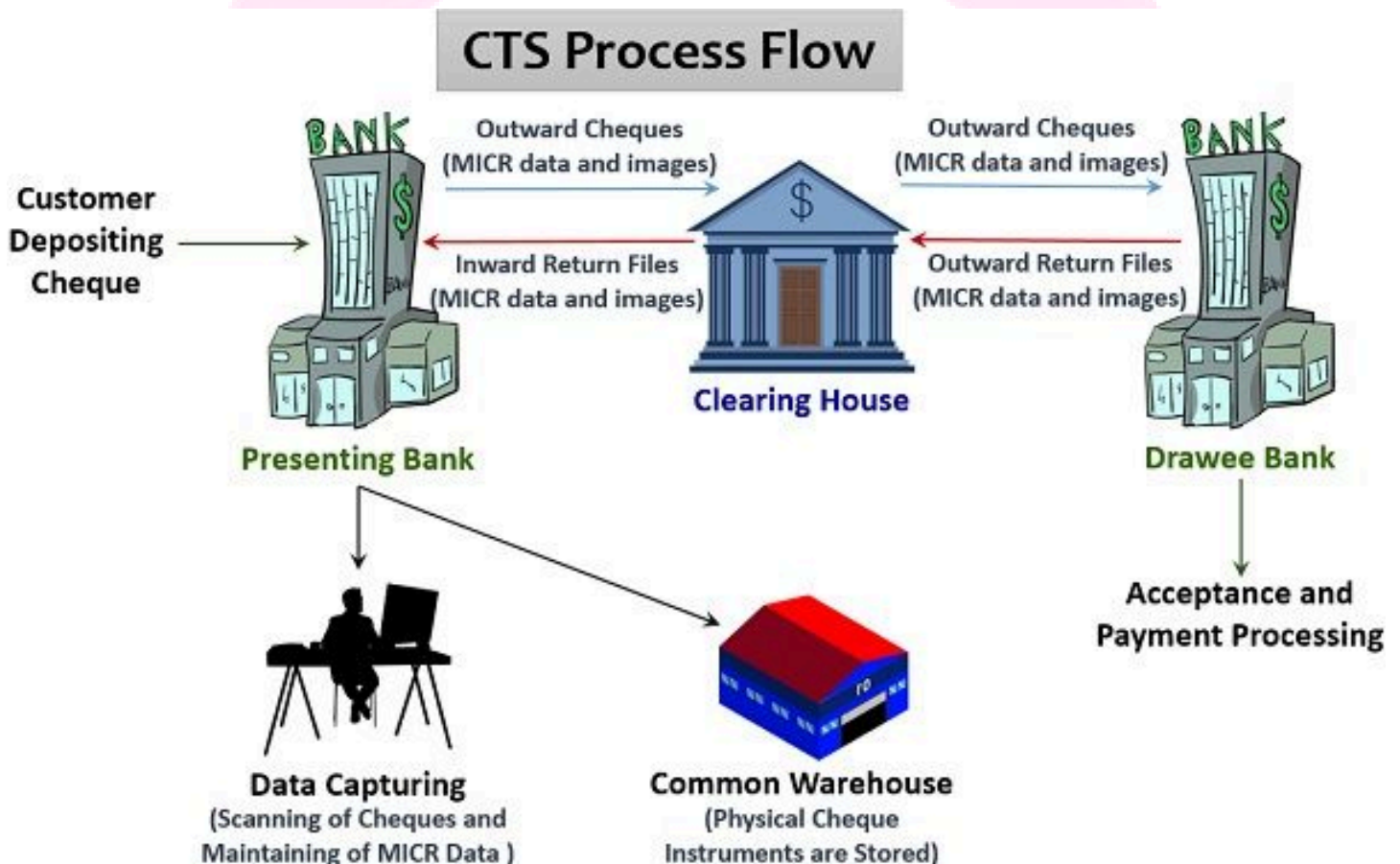
Relevance: Indian Economy and issues

9. RBI announces Continuous Clearing of Cheques under CTS - The Hindu

Context

For expeditious clearance of cheques, the RBI has announced measure on Continuous Clearing of Cheques under Cheque Truncation System (CTS). Once implemented cheques would be cleared within hours of submission instead of two days taken currently.

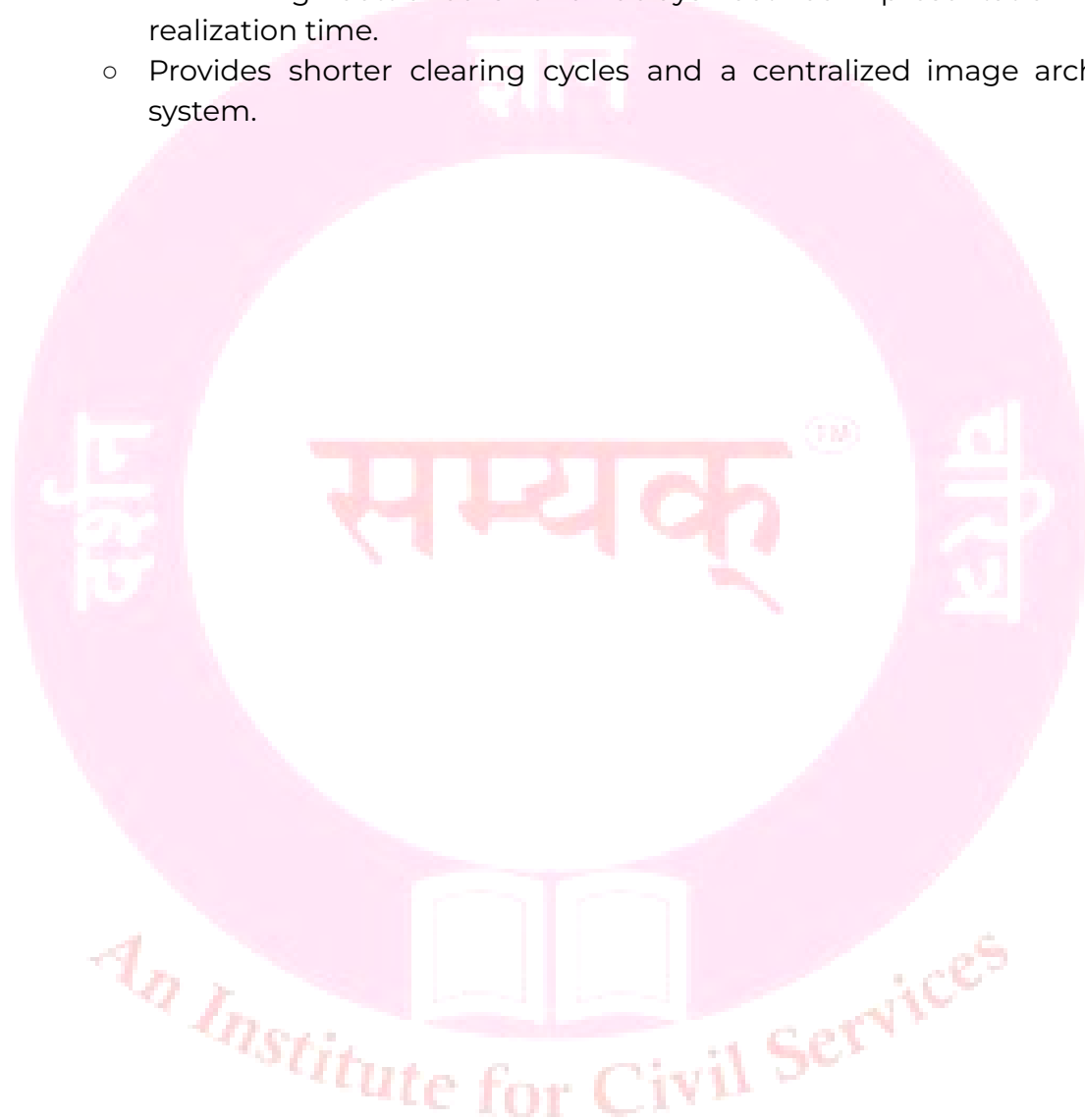
Cheque Truncation System (CTS)



- **Truncation:** Process of stopping the flow of the physical cheque issued by a drawer at some point by the presenting bank en route to the paying bank branch.
- **CTS:** An online image-based cheque-clearing system where cheque images and Magnetic Ink Character Recognition (MICR) data are captured at the

collecting bank branch and transmitted electronically, eliminating the actual cheque movement.

- **Security:** Protected by a comprehensive PKI-based security architecture which incorporates controls such as dual access control, user ID, and passwords with crypto box and smart card interfaces.
- **Benefits:**
 - Realisation of proceeds of cheque possible within the same day.
 - Data storage and retrieval becomes easy.
 - Minimizes risks and introduces a secured cheque-clearing system.
 - Cost savings due to lower costs in the physical movement of cheques.
 - Minimizing bottlenecks and delays between presentation and realization time.
 - Provides shorter clearing cycles and a centralized image archival system.



Environment

Relevance: Conservation, Environmental Pollution and Degradation, Environmental Impact Assessment

10. Dudhwa Tiger Reserve (DTR) - Indian Express

- **Location:** Near Indo-Nepal border in Lakhimpur-Kheri distt in UP.
- **Reserves included:** Dudhwa National Park, Kishanpur and Katerniaghat Sanctuaries
- **Habitat:** A typical Tarai-Bhabar habitat of the upper Gangetic plains Biogeographic province.
- **Rivers:** Sharda River, Geruwa River, Suheli and Mohana streams, the tributaries of Ghagra River.
- **Vegetation:** North Indian Moist Deciduous type, containing some of the finest

examples of Sal forests (*Shorea robusta*) in India.

- **Flora:** *Terminalia alata* (Asna), *Lagerstroemia parviflora* (Asidha), *Adina cordifolia* (Haldu), *Mitragyna parviflora* (Faldu), *Gmelina arborea* (Gahmhar), *Holoptelea intgrifolia* (Kanju), etc.
- **Fauna:** Muggar, Gharial, Python, Sandboa, Banded Krait, Russel's Viper, Rat Snake, Guldar, Tiger, Fishing cat, Monkey, Langur, Mongoose, Small Indian Mongoose, small Indian civet, Jackal, etc.
- **Birds:** Dabchick, spot-billed pelican, large cormorant, little cormorant, Grey Heron, White stork, Black Storck, White Ibis, etc.



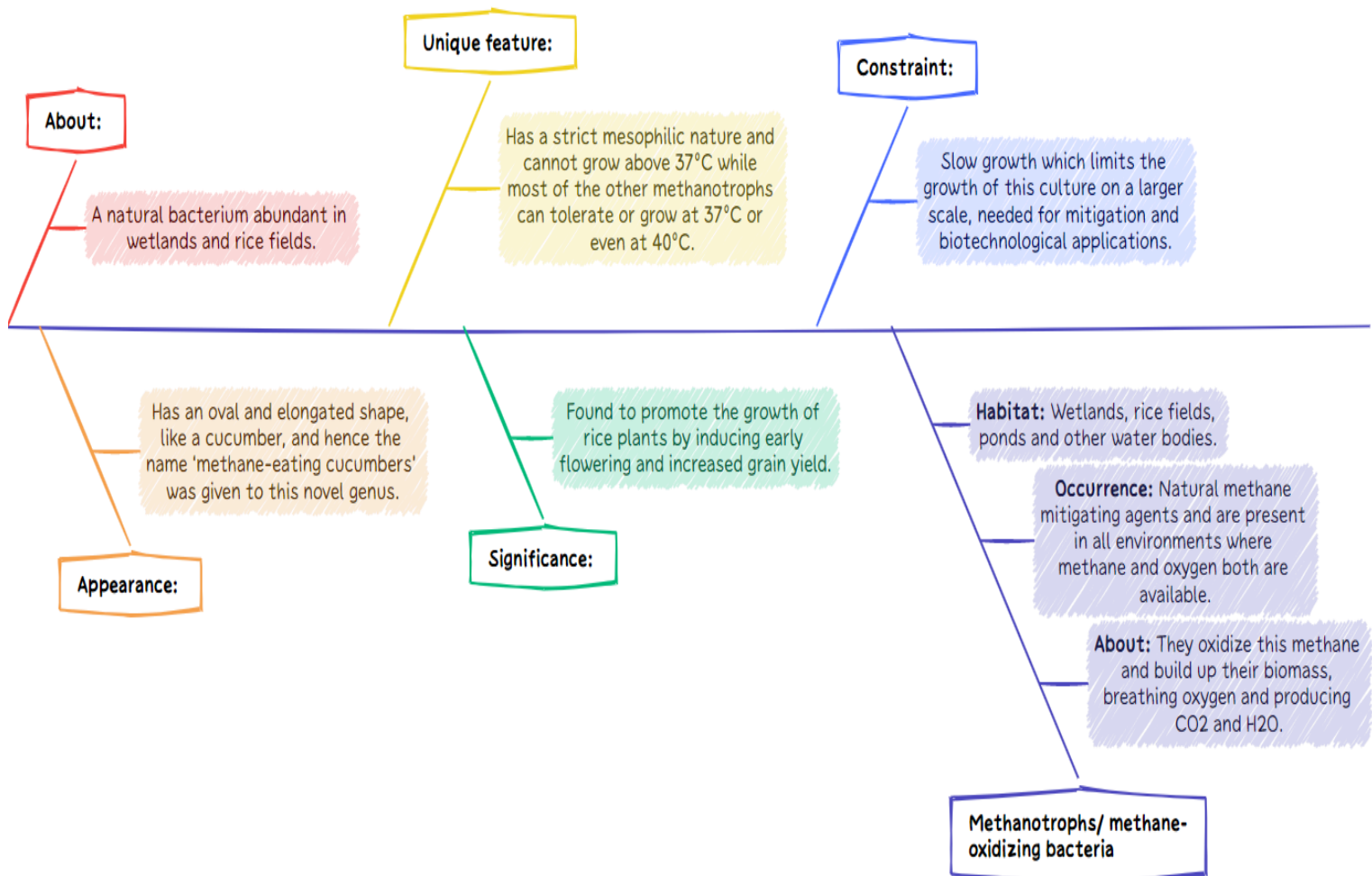
Relevance: Conservation, Environmental Pollution and Degradation, Environmental Impact Assessment

11. India can bank on its own natural methane mitigator to tackle climate challenges - PIB

Context

Researchers have recently isolated and described India's first cultures of indigenous methanotrophs from rice fields and wetlands, mainly from Western India. Isolating methanotrophs from India, they published the first novel methanotroph description from India, a novel genus and species -- *Methylocucumis oryzae*.

Methylocucumis oryzae



Sci and Tech

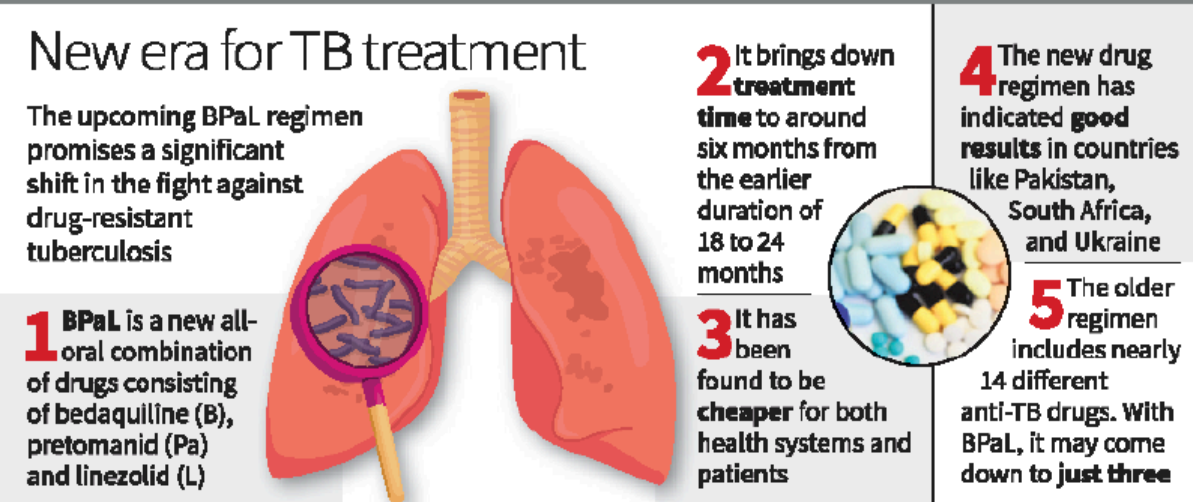
Relevance: Achievements of Indians in Science & Technology

12. India to roll out new treatment regimen for drug-resistant TB - The Hindu

Context

India is getting ready to roll out the BPaL (bedaquiline, pretomanid, and linezolid) regimen for all multidrug resistant tuberculosis (MDR-TB) and extensively drug-resistant tuberculosis (XDR-TB) patients. The training for this new exercise is scheduled to begin this month.

About the programme



New era for TB treatment

The upcoming BPaL regimen promises a significant shift in the fight against drug-resistant tuberculosis

1 BPaL is a new all-oral combination of drugs consisting of bedaquiline (B), pretomanid (Pa) and linezolid (L)

2 It brings down treatment time to around six months from the earlier duration of 18 to 24 months

3 It has been found to be cheaper for both health systems and patients

4 The new drug regimen has indicated good results in countries like Pakistan, South Africa, and Ukraine

5 The older regimen includes nearly 14 different anti-TB drugs. With BPaL, it may come down to just three

- **Aim:** To improve treatment outcomes & help thousands of patients.
- **Essential element:** Scaling up NAAT coverage
- **Nucleic acid amplification test, or NAAT:** A molecular test used to detect the DNA (deoxyribonucleic acid) of Mycobacterium tuberculosis complex (MTBC) in a sputum or other respiratory sample.
- **Significance:**
 - From a treatment duration range of 18 to 24 months, BPaL brings down treatment time to around six months.
 - Older all-oral drug regimen included 14 different anti-TB drugs for a patient to take every day. With BPaL, it is likely to come down to just three tablets daily.
 - Through the BPaL and BPaLM regimens, drug-resistant TB treatment has become more effective, shorter, less burdensome for patients, and cheaper for both health systems and patients.

Relevance: Science and Technology

13. Monkeypox - The Hindu

Context

The World Health Organisation (WHO) recently called an emergency meeting to discuss the outbreak of monkeypox (Mpox) amid the recent surge in cases from Congo. The meeting has been called to discuss whether the spread of the deadly virus is a cause for global concern or not.

Monkeypox

Monkeypox is a viral zoonosis (a virus transmitted to humans from animals) with symptoms very similar to those seen in the past in smallpox patients, although it is clinically less severe. It occurs primarily in tropical rainforest areas of Central and West Africa and is occasionally found in other regions.



WHO

SYMPTOMS

- Patients typically contract fever and also get rash and swollen lymph nodes and may lead to a range of medical complications.
- It is usually a self-limited disease with the symptoms lasting from 2 to 4 weeks.

DIAGNOSIS

- The clinical differential diagnosis that must be considered includes other rash illnesses, such as chickenpox, measles, bacterial skin infections, scabies, syphilis, and medication-associated allergies.

OUTBREAK ACROSS THE WORLD



Source: Reuters

HOW IS IT TRANSMITTED?

- Monkeypox is transmitted to humans through close contact with an infected person or animal, or with material contaminated with the virus.
- The virus is transmitted from one person to another by close contact with lesions, body fluids, respiratory droplets and contaminated materials, such as bedding.

IS THERE A VACCINE?

- Vaccines for smallpox eradication also provide protection against monkeypox.
- Newer vaccines have been developed of which one has been approved for monkeypox.
- An antiviral agent developed for the treatment for smallpox has also been licensed monkeypox.

Relevance: Science and Technology- Developments and their Applications

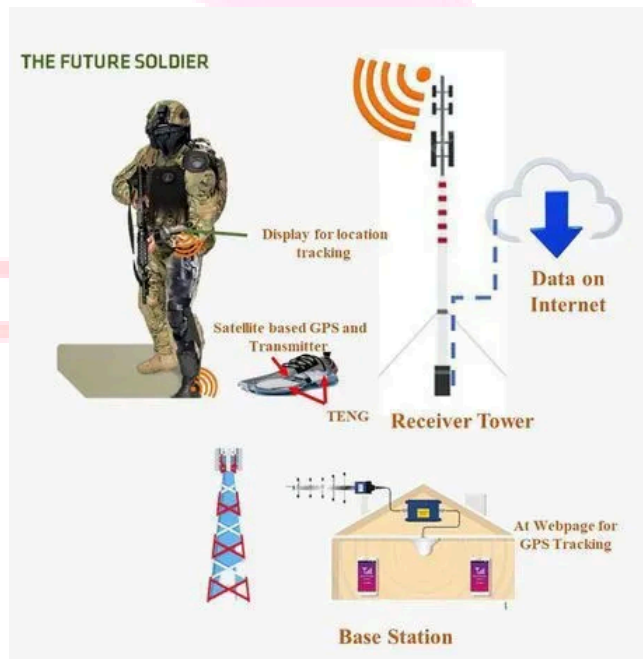
14. Tri-boelectric Nanogenerator (TENG) Technology - Indian Express

Context

In an innovation that can boost the safety and efficiency of armed forces personnel, the Indian Institute of Technology (IIT) Indore has designed special shoes for soldiers equipped with a technology that can generate electricity and detect the wearer's location in real time.

Tri-boelectric Nanogenerator (TENG) Technology

- **About:** A self-powered, feasible solution to convert mechanical energy into electricity. The electricity will get stored in a device fixed in the soles and can be used to operate small appliances
- **Features:** Equipped with a GPS and RFID technologies
- **Applications:**
 - To track the location of senior citizens suffering from Alzheimer's, school children and climbers .
 - Can help monitor the attendance and work of workers in factories.
 - Can also accurately analyse the movements of sportspersons to improve their performance.
 - Provide reliable tracking during expeditions with their self-powered GPS feature, ensuring safety and efficient navigation.



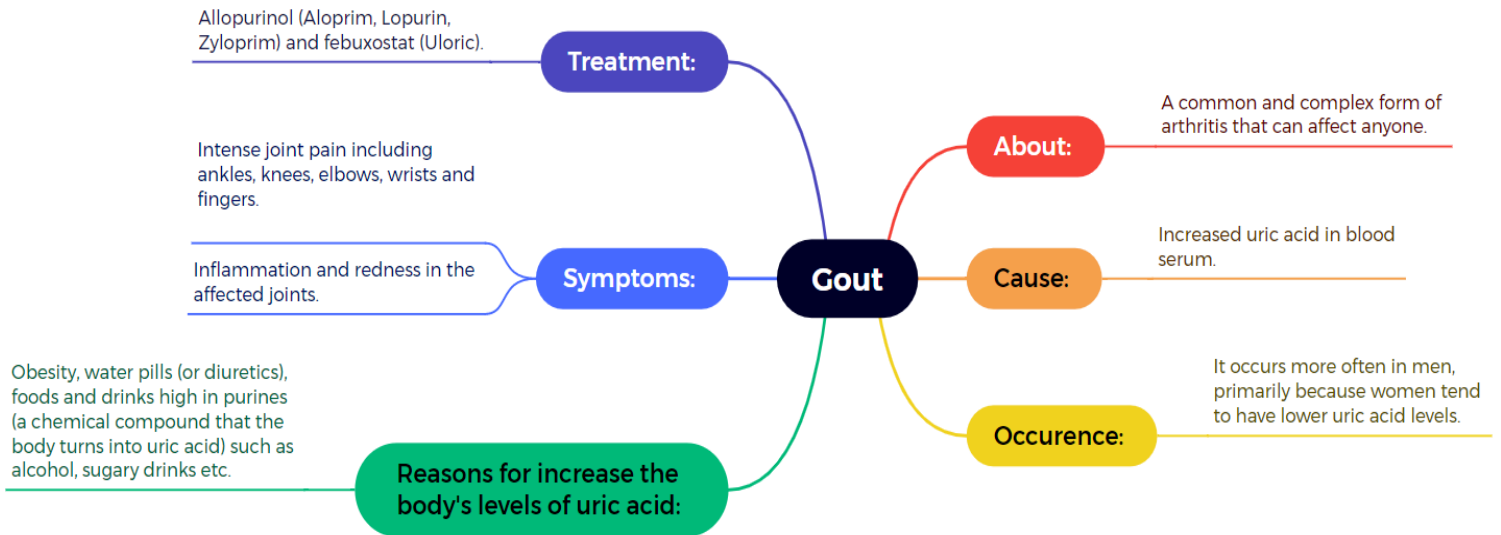
Relevance: Science and Technology

15. Herbal remedy for gout can improve lifestyle of elderly people - PIB

Context

A new plant based synergistic natural supplement developed for treatment of gouty arthritic conditions can be useful in improving the lifestyle of aged, elderly and, compromised patients by restoring their locomotion and ameliorating associated symptoms like pain, stiffness in joints, redness and so on.

Gout



Relevance: Science and Technology

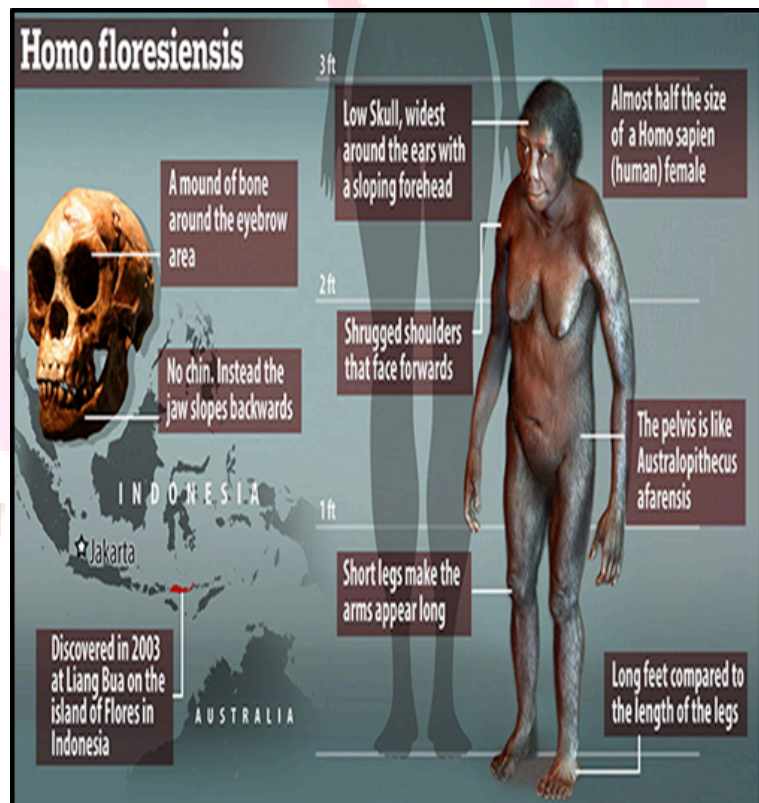
16. Homo floresiensis - The Hobbit

Context

A microscopic analysis of a 700,000-year-old miniature human arm and dental fossils has put an end to the debate on the origins of Homo floresiensis.

Homo floresiensis/ 'Hobbit'

- **About:** A species of small archaic humans that inhabited the Indonesian island of Flores around 60,000 years ago.
- **Distribution:** Only been found on the Island of Flores.
- **Age:** Date to between about 100,000 and



60,000 years ago, and stone tools made by this species date to between about 190,000 and 50,000 years old.

- **Appearance:** Approximately 3 feet 6 inches tall, had tiny brains, large teeth for their small size, shrugged-forward shoulders, no chins, receding foreheads, and relatively large feet due to their short legs.
- **Tools:** Made and used stone tools, hunted small elephants and large rodents, coped with predators such as giant Komodo dragons, and may have used fire.



Miscellaneous

17. Kursk - Indian Express

Context

Thousands of residents have been evacuated and a state of emergency has been declared in Kursk after Ukraine launched a rare incursion into the Russian border region earlier this week.

Kursk

- **About:** A city and administrative centre of Kursk oblast (region) located on the south-western border of Russia.
- **Location:** Centre of the European part of Russia.
- **Climate:** Moderately continental.
- **History:** One of the oldest cities in Russia first mentioned in documents from 1032.
- **Major Industries:** Machine building, food processing, and the manufacture of electronic equipment and synthetic fibers.



18. DGCA - Indian Express

To ensure the safety of passengers and crew members on all flights operating in India.

To conduct regular safety inspections of all airlines and aircraft to meet the required safety standards.

To investigate any incidents or accidents that occur within the Indian airspace

To take appropriate action to prevent similar incidents from happening in the future.

To work closely with airlines and airport operators to promote the industry's growth and improve the overall travel experience for passengers.

To develop new airports and modernizing existing facilities to ensure that they can meet the growing demands of the aviation industry.

Regulation of air traffic in India.

Developing new air traffic control systems and technologies to improve the overall efficiency of Indian airspace.

Issuing licenses and certificates to pilots, aircraft maintenance engineers, and other aviation personnel.

Functions:

DGCA

About:

A regulatory body in the field of civil aviation primarily dealing with safety issues.

Nodal Ministry:

Ministry of Civil Aviation.

Mandate:

Regulation of air transport services to/from/within India and for enforcement of civil air regulations, air safety and airworthiness standards.

International collaboration:

Coordinates all regulatory functions with the International Civil Aviation Organisation.

Headquarters:

New Delhi