

# TNPSC THERVUPETTAGAM CURRENT AFFAIRS SEPTEMBER 2022

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## **TNPSC BITS**

- ❖ International Whale Shark Day is observed on August 30.
  - There are just about 400 of them left in the world, making them one of the most endangered species.
- ❖ The International Day for People of African Descent is celebrated on 31 August globally.
  - The day was first celebrated in 2021, halfway through the International Decade for People of African Descent (2015-2024).
- ❖ Rajasthan chief minister Ashok Gehlot has inaugurated a month-long Rajiv Gandhi Rural Olympic Games in Jodhpur.
- ❖ Dr Ashutosh Raravikar of RBI has authored a new book titled “Indian Banking in Retrospect – 75 years of Independence”.
- ❖ Acclaimed classical dancer and activist Mallika Sarabhai published her memoir ‘Free Fall: My Experiments with Living’.
  - Born to renowned Indian classical dancer Mrinalini Sarabhai and the legendary space scientist Vikram Sarabhai, Mallika is an accomplished Kuchipudi and Bharatanatyam dancer.
- ❖ Dr Jitendra Singh launched the Coastal Clean-up Campaign Logo-Vasuki.
  - It is dedicated to the youth of the country as they are taking keen interest in the Coastal Clean-up campaign.
- ❖ Ma-on, a tropical storm, hit the northern Philippines.
  - Hurricane is a tropical cyclone occurring in Atlantic Ocean and north-eastern Pacific Ocean while Typhoon occurs in north-western Pacific Ocean.
- ❖ Tata Motors Marcopolo was a Joint Venture between Tata Motors (India) and Marcopolo, its Brazilian partners.
- ❖ Indian Railways have set up ‘Meghdoot’ machines at Dadar, Thane and other stations of the Mumbai Division.
  - The unique ‘Meghdoot’ machines use innovative technology to convert water vapour in the air into potable water.
- ❖ The 8th India International MSME Start-up Expo & Summit 2022 was officially opened by Lieutenant Governor Manoj Sinha in New Delhi.
- ❖ The Tata steel company and the Punjabi government have agreed to establish a 0.75 million tonne per year long products steel facility.
  - Tata Steel is to build the Greenfield facility at Kadiana Khurd in Ludhiana’s Hitech Valley.





- ❖ The UPI (Unified Payments Interface) network processed 657 billion transactions in August for a total value of around Rs 10.73 lakh crore as per the National Payment Corporation of India data.
- ❖ Nuakhai is an annual harvest festival in Odisha.
  - Nuakhai is celebrated to welcome the approaching new season and welcome the season's new rice.
- ❖ Neeraj Chopra has gifted his gold-medal-winning javelin to the Olympic Museum in Lausanne, Switzerland.
- ❖ The Markham City of Canada has named a Street after Music Composer AR Rahman.
  - He is known as the 'Mozart of Madras'.
- ❖ The All-India Council for Technical Education (AICTE) in order to advance digital creativity capabilities throughout the nation, has struck a partnership deal with Adobe.
- ❖ The Delhi Police has become the first police force in the country to make collection of forensic evidence mandatory in crimes punishable with a sentence of more than six years.
  - Since Delhi is a Union Territory, Delhi Police is under the administrative control of the Ministry of Home Affairs.
- ❖ A new book named 'India's Economy from Nehru to Modi: A Brief History' written by Pulapre Balakrishnan is to be launched.
  - It is written about the economic progression of India from the time of Jawaharlal Nehru to the current time of Prime Minister Narendra Modi.
- ❖ The Fourth Edition of India's Clean Air Summit took place in Bangalore.
  - The Centre for Air Pollution Studies (CAPS) and the Centre for Study of Science, Technology, and Policy (CSTEP), think-tanks have organized the summit.
- ❖ Institute of Integrated Learning in Management University launched the first National Education Policy 2020 (NEP 2020) Complaint Law School in the Country.
  - It is a private university located in Gurgaon, Haryana, India.
- ❖ A start-up backed by Blue Energy Motors has made India's 1st LNG-fuelled green truck at Chakan in Pune.
- ❖ The former President of the United States Barack Obama won Emmy Award for his narration in the Netflix documentary "Our Great National Parks".
- ❖ The First Homeopathy International Health summit was hosted by Dubai, United Arab Emirates.



- ❖ In a first time in the history, the Union Defence Minister Rajnath Singh is scheduled to visit to Mongolia on behalf of India.
  - It is the first ever visit by an Indian Defence Minister to Mongolia.
- ❖ Indian Army chief General Manoj Pande was conferred the title of Honorary General of the Nepali Army by the Nepal President Bidya Devi Bhandari in Kathmandu.
  - The Commander-in-Chief General KM Cariappa was the first Indian Army chief to be decorated with this title in 1950.
- ❖ Saharsa has become the first district in Bihar to have gone completely paperless.
  - With the new system in place, diesel and fertiliser subsidies can be sped up for farmers.
- ❖ President Droupadi Murmu has honoured 45 selected teachers from across the country with National Awards at Vigyan Bhawan New Delhi.
  - India is celebrating its 50<sup>th</sup> National Teachers' Day.
- ❖ Suresh Raina, the former Indian Batsman, announced his retirement from the Indian Premier League (IPL).
  - He was not retained by Chennai Super Kings, nor he was picked by any team in IPL 2022.
- ❖ Tamilnadu Mercantile Bank (TMB) has announced the appointment of Krishnan Sankara Subramaniam as the Managing Director and CEO.
- ❖ The Government of India has announced the constitution of the National Level Committee for the drafting of the National Cooperation Policy.
  - The committee under the Chairmanship of former Union Minister Suresh Prabhu consists of 47 members from all parts of the country.
- ❖ Indian men's volleyball team has won the bronze medal by defeating Korea in the 14th Asian U-18 Championship in Tehran, Iran.
  - Japan clinched the gold after beating Iran in the final match.
- ❖ Satwiksairaj Ranki reddy and Chirag Shetty became the first Indian pair to win a medal in the men's doubles competition at the World Badminton Championships, held at Tokyo, Japan.
  - It is India's second World Championship medal in any doubles event; the first medal in World Championship by India was bagged by Jwala Gutta and Ashwini Ponnappa who claimed bronze in the 2011 women's doubles.
- ❖ Recently, a referendum in Chile rejected a proposal to replace the old charter with a new progressive constitution.



- The draft resolution was drafted to replace the 1980 charter, written under the dictatorship of General Augusto Pinochet.
- ❖ The Standing Committee of the National Board of Wildlife has given its approval to the Indian Air Force to setup a new airbase in Ladakh.
  - The new IAF airbase is expected to come up in the Changthang sanctuary area, right off the Line of Actual Control.
- ❖ Suella Braverman is UK's new Home Secretary.
  - Priti Patel, who is of Indian descent, will be replaced in the position by Suella Braverman.
- ❖ PM inaugurates 'Kartavya Path' – a stretch of the Central Vista from the Rashtrapati Bhavan to India Gate in New Delhi.
  - PM unveils 28-feet tall granite statue of Netaji Subhas Chandra Bose at India Gate in New Delhi.
- ❖ The private sector lender HDFC Bank introduced a new SMS banking facility for its customers.
- ❖ The United Nations Human Rights Council passed a deeply flawed resolution on Sri Lanka that ignores calls for an international investigation into alleged abuses during recent fighting and other pressing human rights concerns.
- ❖ India and Japan, 2+2 ministerial dialogue emphasised the need for all to seek peaceful resolution of disputes in accordance with international law without resorting to use of force or attempt to unilaterally change status quo.
- ❖ Volker Türk of Austria was appointed as United Nations High Commissioner for Human Rights by the United Nations Secretary-General António Guterres.
- ❖ According to the United States (US) Embassy in India, the US issued a record 82,000 student visas to Indians in 2022, more than any other nation.
- ❖ Indian Army and the Indian Air Force have conducted a joint exercise 'Gagan Strike' in Punjab.
- ❖ The Sri Lankan cricket team defeat Pakistan and won Asia Cup 2022.
- ❖ The second India-Japan 2+2 Foreign and Defence Ministerial Meeting was held in Tokyo.
- ❖ The government has constituted an expert committee headed by former SEBI chairman M Damodaran to suggest ways for scaling up of Venture Capital and Private Equity Investments.
- ❖ Iran has signed a memorandum of commitments to join the Shanghai Cooperation Organization in 2023.
- ❖ Pranav Anand from Bengaluru, Karnataka became India's 76th Chess Grand Master.



- ❖ Recently Adani group on completed the acquisition of Ambuja Cements & ACC Ltd and became country's second largest cement player.
- ❖ India beats Nepal and won the SAFF U-17 football Championship Title, held at Srilanka.
- ❖ India's largest lender State Bank of India touched the Rs 5-trillion-mark in market capitalisation for the first time.
- ❖ The Centre appointed Justice T Raja, the senior-most judge of the Madras High Court, as the court's acting chief justice with effect from September 22.
- ❖ President Droupadi Murmu visited Westminster Hall London and offered tributes to the departed soul on her own behalf and on behalf of the people of India.
  - She also signed the condolence book.
- ❖ Bengaluru FC win maiden Durand Cup football competition title, beat Mumbai City FC in final held at Kolkata.
- ❖ In World Youth Chess Championship, India's Pranav Anand and A R Ilamparthi won titles in the Open under-16 and under-14 categories respectively.
- ❖ Telangana decided to name its new secretariat after Dr Bhimrao Ramji Ambedkar.
- ❖ The 26th Meeting of the Financial Stability and Development Council (FSDC) was chaired by the Union Finance and Corporate Affairs Minister.
- ❖ Linda Fruhvirtova ended in triumph at the Chennai Open to capture her first Hologic WTA Tour singles title.
- ❖ The first multiplex in Kashmir was opened in Srinagar by Jammu and Kashmir lieutenant governor Manoj Sinha after a three-decade gap.
  - Vikram Vedha and Ponniyin Selvan-I will be released in this.
- ❖ National Human Rights Commission of India chairperson justice (retd) Arun Kumar Mishra has been elected as a member of the Governance Committee of the Asia Pacific Forum.
- ❖ Kazakhstan passed a bill to restore the capital's old name Astana.
  - It was changed to Nur-Sultan in 2019.
- ❖ The Global Fintech Fest 2022 was held in Mumbai Maharashtra.
- ❖ Former President Ram Nath Kovind has launched a book titled 'Ambedkar and Modi: Reformer's Ideas Performer's Implementation'.
- ❖ World Rose Day, also known as the Day for the Welfare of Cancer patients, is observed on September 12.
- ❖ Indian javelin thrower Devendra Jhajharia has clinched a silver medal in the World Para Athletics Grand Prix, in Morocco.





- ❖ The third edition of LEADS was held at New Delhi, with an overarching theme “Leadership for Future”.
- ❖ India's Presidency of the Asia-Pacific Institute of Broadcasting Development (AIBD), has been extended for one more year.
- ❖ Bangladesh women football team won the maiden title in SAFF (South Asian Football Federation) Women’s Championship, 2022.
  - It beat Nepal in the final held at Kathmandu, Nepal.
- ❖ The Gujarati film "Chhello Show" is India's official entry for the 95th Academy Awards or Oscar awards.
- ❖ INS Tarkash has been mission deployed in the Gulf of Guinea for anti-piracy operations.
- ❖ 25-year-old climate activist Vanessa Nakate was appointed as UNICEF Goodwill Ambassador.
- ❖ A High-Level Ministerial the first Session of the UN Global Congress of Victims of Terrorism was held recently at Newyork.
- ❖ India has won the United Nations award for its ‘India Hypertension Control Initiative (IHCI)’, a large-scale hypertension intervention under the National Health Mission.
- ❖ India is set to host its maiden MotoGP World Championships race at the Buddh International Circuit in Greater Noida of Uttar Pradesh in 2023.
- ❖ Industrialist Ratan Tata, former Supreme Court judge KT Thomas, and former deputy Lok Sabha speaker Kariya Munda have been nominated as trustees of the PM CARES Fund.
- ❖ The Coast Guards of India and the United States participated off the coast of Chennai in the massive Abhyas drill or the Abhyas joint drill.
- ❖ The Supreme court of India appointed retired judge Justice L. Nageswar Rao for amending the constitution of the Indian Olympic Association and preparing the electoral college of the association.
- ❖ The WHO official Dr Rajiv Bahl has been appointed as the Director General of the Indian Council of Medical Research (ICMR) cum- Secretary of the Department of Health Research.
- ❖ Hindustan Aeronautics Limited’s (HAL) integrated cryogenic engine manufacturing facility was inaugurated in Bengaluru.

## TAMIL NADU

### Pudhumai Pen Scheme

- ❖ Tamil Nadu Chief Minister M.K. Stalin on September 5 launched the Moovalur Ramamirtham Ammaiyar Higher Education Assurance scheme titled 'Pudhumai Penn' at a function in Chennai, in the presence of Delhi Chief Minister Arvind Kejriwal.
- ❖ Under Pudhumai Penn scheme, girl students, who studied from Class V to Class XII in state government schools would be paid a monthly assistance of ₹1,000 till they complete their graduation or diploma or ITI courses.
- ❖ Delhi Chief Minister Arvind Kejriwal also unveiled 26 schools of excellence and 15 model schools set up by the Tamil Nadu government
- ❖ These schools are emulating the model by the AAP government in Delhi.

### Thagaisal Palligal Scheme

- ❖ Tamil Nadu Chief Minister MK Stalin inaugurated the School of Excellence and Model School scheme in the state in the presence of Delhi Chief Minister Arvind Kejriwal.
- ❖ This scheme is based on the Delhi Model School Scheme.
- ❖ These schools will be named Thagaisal Palligal and Mathiri Palligal Model School in Tamil language.

### Best among large zoos

## 82% SCORE IN MEE TEST

➤ Arignar Anna Zoological park is spread over 502 hectares, housing about 2,300 animals

➤ A total of 178 species of birds, mammals and reptiles are in the facility. Of these, 98 species are birds, 48 are mammals and 32 are reptiles


➤ Some species in the zoo such as Nilgiri langur, lion-tailed macaque, Malabar giant squirrel, fresh water otter, hyena and wild dogs are found in the Western Ghats of Tamil Nadu

### UNIQUE FEATURES

➤ Skill development programme for zoo staff, including animal keepers

➤ As part of green initiatives, solar lamps have been installed on all roads inside the zoo and on roads inside the staff quarters. This helps in reducing electricity charges

➤ More than 200 cameras installed in key enclosures to monitor the health of the wildlife



- ❖ The Arignar Anna Zoological Park in Vandalur has been ranked best in the country among large zoos.
- ❖ It is scoring 82% in a test on capacity and efficiency for conservation of species outside their natural habitat and for following best practices.
- ❖ Of the total six criteria, Vandalur zoo got 85% in three and in the remaining three, it got more than 75%.

### **Tamil Nadu's New Bird Sanctuary**

- ❖ The Tamil Nadu government issued an order to set up a bird sanctuary at Nanjarayan Tank in Tiruppur district.
- ❖ This will be the 17th bird sanctuary in Tamil Nadu.
- ❖ The area attracts more than 130 bird species including migratory birds.
- ❖ It was built by King Nanjarayan as a source for irrigation.
- ❖ It is also known as Sarkar Periyapalayam Reservoir.



### **ST status of Narikuravar**

- ❖ The Union Cabinet approved the Tribal ministry's proposal for the inclusion of Narikuravars under ST category.
- ❖ The Kuruvikkaran community of Tamil Nadu was also included in the category.
- ❖ This will be done through the introduction of a Bill in Parliament to amend the Constitution (Scheduled Tribes) Order, 1950.
- ❖ The Narikuravars is one of the most deprived and vulnerable communities living in the hills of Tamil Nadu.
- ❖ The Union Cabinet cleared the proposal to notify several tribal communities under the Scheduled Tribes (ST) category in Chhattisgarh, Himachal Pradesh, Karnataka, and Uttar Pradesh as well.
- ❖ The Hatti community in the Trans-Giri area of Himachal Pradesh's Sirmaur also added in the list of notified Scheduled Tribes.

### **Free breakfast scheme**

- ❖ The breakfast scheme for government school students from class 1 to 5 was launched in Madurai on September 15.
- ❖ The scheme is named as "Mudalamaicharin Kalai Unavu Thittam (Chief Minister's Breakfast Scheme)."
- ❖ The scheme would bring beneficial change in the lives of the poor people.
- ❖ In a first, the noon meal scheme was launched in 1920 in a Chennai Corporation school by Mayor Pitti Theagarayar.
- ❖ In 1956, former Chief Minister K Kamaraj inaugurated the noon meal scheme.

### **Joyamala's Case**

- ❖ The Assam government filed a petition in Guwahati High Court seeking the custody of Joyamala.
- ❖ Joyamala is a temple elephant that the state had given to Tamil Nadu on lease.
- ❖ Tamil Nadu government refused to return the elephants it had taken from Assam.
- ❖ This controversy started after the animal rights group, PETA claiming that Joyamala was being subjected to cruelty at a temple in Tamil Nadu.
- ❖ Assam claims it had leased nine elephants, including Joyamala, to Tamil Nadu.



### **India's first dugong reserve**

- ❖ The country's first 'Dugong Conservation Reserve' has been notified in Tamil Nadu.
- ❖ The move was aimed at conserving the endangered species as it would help protect and improve marine fauna.
- ❖ The reserve has been notified in Palk Bay.



- ❖ Dugongs are largest herbivorous marine mammals which primarily thrive on sea grass beds.
- ❖ There were only about 240 such Dugongs estimated to be present in the country.
- ❖ And a majority of them was found on the Palk Bay area.



### **4000 years old used Gold**

- ❖ Archaeological excavations in the vadakkupaddu Panchayat have found gold that was used in ancient times.
- ❖ The site for excavation was selected in the village of Oragadam next to Kanchipuram district.
- ❖ Black and red pottery, painted pottery and inscribed pottery, and Roman pottery were also found.
- ❖ It also found 2 gold ornaments weighing 1.5 grams.
- ❖ Flint earrings, gold ornaments, flint round chips, iron products and bracelet fragments have been found.
- ❖ These may be items used by people who lived 4000 years to 10000 years ago.

### **Ordinance to regulate online gambling**

- ❖ The Tamil Nadu Cabinet gave its nod to promulgate an ordinance to regulate online gambling.
- ❖ This move came more than a year after the Madras High Court struck down the Tamil Nadu Gaming and Police Laws (Amendment) Act 2021.
- ❖ This law had imposed a broad ban on wagering or betting in cyberspace.
- ❖ The State government constituted a panel under the retired judge of the Madras High Court Justice K Chandru.
- ❖ This panel recommended the promulgation of an ordinance to regulate online gambling in the State.

- ❖ 20% of the Indian population plays online games, compared to 60–70% in the United States.

### **TamiraSES project**

- ❖ TamiraSES project is being implemented to restore Thamirabarani river.
- ❖ It is jointly implemented by the district administration of Tirunelveli and Bengaluru-based NGO Ashoka Trust for Research in Ecology and the Environment (ATREE).
- ❖ The project involves the use of “hyper-local” approach to restore one Thamirabarani river.
- ❖ It will restore Thamirabarani as well as all the waterbodies in the riverscape.
- ❖ Under the first phase of this project, five social ecological observatories will be set up.
- ❖ These will act as pilots to help the project expand further.
- ❖ This phase will be limited to the borders of Tirunelveli district.

### **Thamirabarani river**

- ❖ The Thamirabarani river originates from Agastyarkoodam peak of Pothigai hills in Western Ghats.
- ❖ It is the only perennial river in Tamil Nadu.
- ❖ Its source is the confluence of the tributaries of Kodayar River – Kothai and Madhumalai.
- ❖ This river flows through Tirunelveli and Thoothukudi districts.






## NATIONAL

### INS Vikrant

- ❖ India will formally commission its first home-built aircraft carrier at Kochi's Cochin Shipyard Limited.
- ❖ It was built by Cochin Shipyard Limited, a Public Sector Shipyard under the Ministry of Ports, Shipping & Waterways.
- ❖ The largest ship ever constructed in India's maritime history is the INS Vikrant.
- ❖ The Indigenous Aircraft Carrier bears the name of its esteemed predecessor, India's first aircraft carrier, which had an important role to play in the war of 1971.
- ❖ The INS Vikrant however will not have its own fleet of fighter jets on deck.
- ❖ It will rely on a few Russian-designed aircraft borrowed from India's only other carrier, the INS Vikramaditya.

### New Naval ensign

1947– 1950	
1950– 2001	
2001– 2004	
2004– 2014	
2014– present	

- ❖ Prime Minister Narendra Modi will reveal a new ensign of the Indian Navy (New Naval ensign), at the aircraft carrier INS Vikrant.
- ❖ The Indian Navy will receive a New Naval ensign on September 2 without the Saint George's cross that has been on its flag since the British placed it during the pre-independence era.
- ❖ The cross sign was removed from the flag between 2001 and 2004 while Atal Bihari Vajpayee was in office.
- ❖ But it was reinstated once the UPA led by Manmohan Singh took back power.

## **SAREX-2022**

- ❖ It was carried out by the Indian Coast Guard in Chennai.
- ❖ It is the 10th National Maritime Search and Rescue Exercise.
- ❖ It is carried out under the National Maritime Search and Rescue Board (NMSARB).
- ❖ Along with other foreign participants, the chief of the Indian Coast Guard, VS Pathania, assessed the exercise "SAREX-2022".
- ❖ The subject of the biennial exercise this year is "Capacity Building Towards Marine Passenger Safety".

## **Clear Skies for Tomorrow**

- ❖ It is a sustainable effort led by the World Economic Forum (WEF).
- ❖ IndiGo, the largest airline in the nation, has joined this initiative as a signatory.
- ❖ It aims to support aviation's overall net-zero pathway by 2050.

## **Vajra Prahar 2022**

- ❖ The 13th edition of the India-US joint special forces exercise Vajra Prahar 2022 concluded at Himachal Pradesh's Bakloh.
- ❖ This annual exercise is hosted alternatively between India and the United States.
- ❖ The 12th edition was conducted in Washington, the USA in October 2021.



## **Smart India Hackathon 2022**

- ❖ It is a nationwide initiative to provide students with a platform to solve some of the pressing problems.
- ❖ This year, Smart India Hackathon – Junior has also been introduced as a pilot for school students.



- ❖ Smart India Hackathon (SIH) was started in the year 2017.
- ❖ It is an initiative by the Ministry of Education, All India Council for Technical Education (AICTE), Persistent Systems and Inter Institutional Inclusive Innovation Centre (i4C).
- ❖ A team of IGNOU students has been selected as the first Prize winner in the grand finale of Smart India Hackathon 2022.

### India's first virtual school

- ❖ The Delhi government has launched a virtual school.
- ❖ It announced that students from across the country will be eligible for admission.
- ❖ It was claimed that it was India's first virtual school.
- ❖ However, the National Institute of Open Schooling (NIOS) said that the first virtual school in the country was launched last year by the Centre and not by the Delhi government.

### Indian Army – QKD



- ❖ India joins the elite club as the Indian army is set to possess Quantum Communication Technology with equipped troops and a high-end secured defense system.

- ❖ With the support of Innovation for Defence Excellence (iDEX), Defence Innovation Organisation, the QNu Labs a Bengaluru-based deep tech Startup has innovated advanced secured communication through Quantum Key Distribution (QKD).
- ❖ The leading countries in the QKD systems are China, the US, Canada, and other European countries.
- ❖ It is to carry out secure communication using a cryptographic protocol involving multiple quantum mechanical elements.
- ❖ A QKD system allows the creation of a quantum secure secret pair of symmetric keys between two points that are separated by a certain distance in terrestrial optical fibre infrastructure.
- ❖ QKD helps to create a non-hackable quantum channel for creating un-hackable encryption keys, which are used to encrypt critical data.

### **Millet conclave 2022**

- ❖ It was held at Raichur, Karnataka.
- ❖ It was organized by University of Agricultural Sciences in Raichur of Karnataka under the NABARD (National Bank for Agriculture and Rural Development).
- ❖ The theme of conclave was “Making Many Millet Magnets - Making Many Millet Entrepreneurs”.
- ❖ It was a curtain raiser for International Year of Millets in 2023.
- ❖ The Chief Minister of Karnataka Basavaraj Bommai said that the international millet fair will be held in Bengaluru in January, 2023.
- ❖ India has become the 5th largest country in the World in terms of Export of millets.

### **‘Crime in India’ report - National Crime Records Bureau**

- ❖ It is the annual report of the National Crime Records Bureau (NCRB).
- ❖ Overall, 2021 saw a 7.6 per cent decline in the number of crimes registered, as compared to 2020.
- ❖ The crime rate per lakh population declined from 487.8 in 2020 to 445.9 in 2021.
- ❖ Uttar Pradesh saw the highest number of deaths (24,711) in traffic accidents.
- ❖ A maximum number of Road accident cases were reported in Tamil Nadu.
- ❖ Suicide rate was 20 deaths per million population (the highest level ever recorded)
- ❖ Daily wage earners remained the largest profession-wise group among suicide victims in 2021.



- ❖ The overall share of “Persons engaged in the farming sector” among the total recorded suicides stood at 6.6 per cent during 2021
- ❖ Maximum number of suicides occurred in Maharashtra (22207).
- ❖ Tamil Nadu (18,925), Madhya Pradesh (14,965) and West Bengal (13,500) follows the suicide list.
- ❖ Jammu and Kashmir registered the most Unlawful Activities (Prevention) Act (UAPA) cases.
- ❖ Jharkhand and Maharashtra filed the highest cases of communal riots last year.
- ❖ The rate of crime against women (the number of incidents per 1 lakh population) increased from 56.5 per cent in 2020 to 64.5 per cent in 2021.
- ❖ Amongst the majority of the crimes against women, 31.8 per cent were cases registered under ‘cruelty by husband or his relatives’, 20.8 per cent cases were ‘assault on women with intent to outrage her modesty’, kidnapping and abduction accounted for 17.6 per cent cases and 7.4 per cent were rapes.
- ❖ The report places Uttar Pradesh on top (56,083) in terms of the actual number of cases registered in 2021.
- ❖ It is followed by Rajasthan (40,738) and Maharashtra (39,526).
- ❖ Nagaland stood out with the lowest number of crimes against women registered in the past three years.
- ❖ Delhi is the most unsafe metropolitan city.
- ❖ It is followed by Mumbai (12.76 per cent) and Bengaluru (7.2 per cent).
- ❖ Rajasthan reported the highest number of rape cases
- ❖ Only 507 cases were registered in the country under the Domestic Violence Act in 2021, showing an under-reporting of cases.

#### **NCRB**

- ❖ NCRB acts under the Ministry of Home Affairs.
- ❖ NCRB looks after CCTNS (Crime and Criminal Tracking Network and Systems) and Central Finger Print Bureau
- ❖ Its released reports are Crimes in India, Prison Statistics in India and Accidental Deaths and Suicides in India.

#### **One Herb, One Standard**

- ❖ The Ministry of Ayush has taken a significant step for Inter-Ministerial cooperation for promotion and facilitation of “One Herb, One Standard”.
- ❖ A Memorandum of Understanding (MoU) was signed between Pharmacopoeia Commission for Indian Medicine and Homoeopathy (Ministry of Ayush) and Indian Pharmacopoeia Commission (Ministry of Health & Family Welfare).

- ❖ It aims to promote public health by facilitating the development of harmonized Herbal drug standards.
- ❖ It aims to improve ease of doing business in India and also improve overall trade of Indian botanicals.

### **World's Largest Carbon Fiber Plant**

- ❖ Reliance Industries plans to build India's 1st and World's Largest Carbon Fibre Plant at Hazira, Gujarat
- ❖ It was announced by its chairman Mukesh Ambani at the 45th Annual General Meeting.
- ❖ The plant will be developed as part of the company's Oil to Chemical segment (O2C).
- ❖ Carbon Fibre is a new-age material which has found multiple uses in industry and automotive sector.
- ❖ It is a lightweight but strong material with high conductivity.
- ❖ So, it has been growing in demand as a substitute for steel in the automobile, construction and military sectors.

### **India's 1st Indigenous Vaccine against Cervical Cancer – Ceravac**



- ❖ Serum Institute of India (SII) and the Department of Biotechnology (DBT) launched India's 1st Indigenously developed Vaccine against Cervical Cancer.
- ❖ The vaccine was launched by Union Minister of State (Independent Charge) Science & Technology Jitendra Singh.
- ❖ The vaccine is formally named Quadrivalent Human Papillomavirus vaccine (qHPV).
- ❖ It has been developed indigenously by SII and was granted clearance by the Drugs Controller General of India in July.

- ❖ As per the data of World Health Organization (WHO), India accounts for more than a fifth of Cervical Cancer patients in the world.

### **5<sup>th</sup> Rashtriya Poshan Maah (National Nutrition Month)**



- ❖ The Ministry of Women and Child Development will celebrate the 5th Rashtriya Poshan Maah 2022 from 1st to 30th Sept 2022 as part of the POSHAN Abhiyaan.
- ❖ The Central Theme of Poshan Maah 2022 is “Mahila aur Swasthya” and “Bacha aur Shiksha”.
- ❖ POSHAN Abhiyaan aims to improve nutritional outcomes for children under 6 years of age, pregnant women and lactating mothers.
- ❖ It was launched by Prime Minister on the occasion of International Women’s Day on March 8, 2018.
- ❖ POSHAN stands for “Prime Minister’s Overarching Scheme for Holistic Nutrition Abhiyaan”.
- ❖ The government has also launched Mission Poshan 2.0 as a support initiative to strengthen nutritional content, delivery, outreach and outcomes that nurture health, wellness and immunity to disease and malnutrition.



## Arth Ganga

- ❖ Recently, the Ministry of Jal Shakti unveiled a new initiative named 'Arth Ganga' under the Namami Gange program.
- ❖ It aims to boost economic activities along the banks of river Ganga.
- ❖ Zero Budget Natural Farming is its first level.
- ❖ It includes chemical free farming for 10 km on both banks of the river and promotion of cow dung as manure through Govardhan Yojana.
- ❖ This will open the way for 'Per Drop, More Income' and 'Gobar Dhan' for the farmers.
- ❖ Namami Gange is operated under Ministry of Jal Shakti.
- ❖ It is implemented by the National Mission for Clean Ganga.



## ICMR study on snakebites

- ❖ The Indian Council of Medical Research (ICMR) is conducting a first of its kind study on snakebite incidence in 14 states representing all geographical regions of the country.
- ❖ Himachal Pradesh, Andhra Pradesh, Arunachal Pradesh, Rajasthan, Maharashtra, Kerala, Tamil Nadu, Odisha, West Bengal, Uttarakhand, Meghalaya, Mizoram and Tripura have been included in this study.
- ❖ Geographically the greatest impact of snake bites occurs in tropical and sub-tropical regions, which are highest in India.
- ❖ ICMR is one of the oldest and largest medical research bodies across the world.
- ❖ It is the apex body to formulate, coordinate and promote biomedical research.

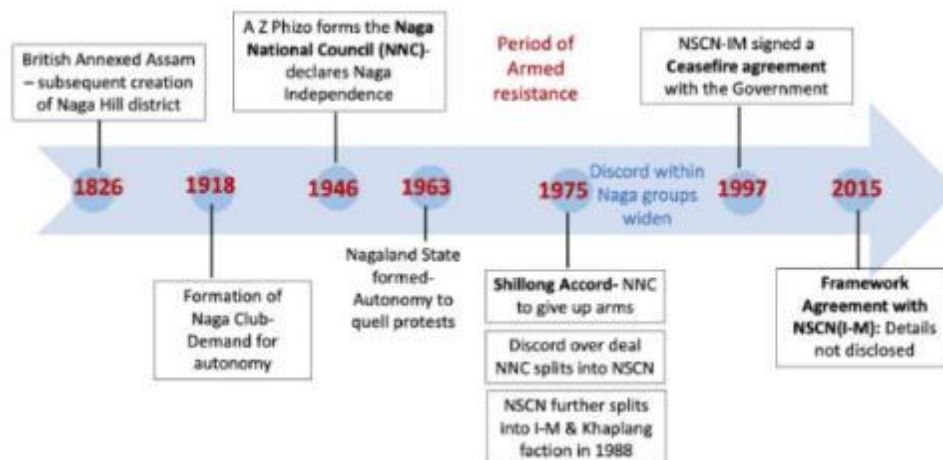


### Central Vigilance Commission (CVC) report

- ❖ The Railways Ministry tops the list of government agencies that ignored the CVC's recommendations against corrupt officers and employees.
- ❖ Along with Railways, Small Industries Development Bank of India (SIDBI), Bank of India, and Delhi Jal Board each had four cases.
- ❖ Mahanadi Coalfields Limited protected three of its workers in such situations.

### 25 Years of Indo-Naga Peace Talks

- ❖ On August 1, 2022, the NSCN (I-M) observed the 25th anniversary of the “Indo-Naga” ceasefire.
- ❖ The NSCN-IM signed a ceasefire agreement with the Government of India on July 25, 1997.
- ❖ Nagas are living across the region between India and Myanmar.



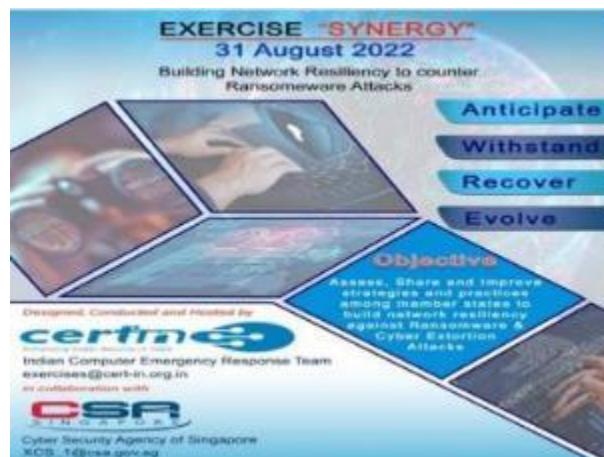
## Maruti in India

- ❖ Maruti Suzuki has completed 40 years in India.
- ❖ Maruti Udyog Limited was established in India in the year 1981.
- ❖ It was a public sector company.
- ❖ In 1982, Japanese automaker Suzuki started a joint venture with Maruti.
- ❖ It is the country's largest carmaker.
- ❖ On this occasion, Prime Minister Narendra Modi inaugurated the company's electric vehicle battery manufacturing plant at Hansalpur in Gujarat and the passenger vehicle plant at Kharkhoda, Haryana.

## Cybercrime Against Women

- ❖ The number of cybercrimes against women has climbed up to 18.4 percent in 2021.
- ❖ The top five states that account for 61 percent of the share in Cybercrimes against women are Karnataka at number one with 2,243 cases in 2021, Maharashtra with 1,687 cases, and Uttar Pradesh with 958 cases.
- ❖ Telangana accounts for the highest share of all cybercrimes including cybercrime against women.
- ❖ Other states that rank after Telangana are Uttar Pradesh with 8,829, Karnataka with 8,136, Maharashtra with 5,562, and Assam with 4,846.
- ❖ It was the report released by the National Crime Records Bureau.
- ❖ Cybercrime against women includes cyber-threatening and blackmailing, cyber pornography, posting obscene material, stalking, defamation, morphing, etc.

## Cyber Security Exercise "Synergy"





- ❖ Indian Computer Emergency Response Team (CERT-In) under the Ministry of Electronics and IT, in collaboration with the Cyber Security Agency of Singapore, successfully designed and conducted the Cyber Security Exercise “Synergy” for 13 Countries.
- ❖ The Group is being led by India under the leadership of the National Security Council Secretariat.
- ❖ The theme of the exercise was “Building Network Resiliency to counter Ransomware Attacks”.

### **Grievance Redressal Index**

- ❖ The Grievance Redressal Index for the month of August 2022 has been published by the Department of Administrative Reforms and Public Grievances (DARPG).
- ❖ In this report, the Unique Identification Authority of India (UIDAI) has topped amongst all Ministries/ Departments for resolving Public Grievances.
- ❖ UIDAI is a statutory authority established on 12th July 2016.
- ❖ It works under the jurisdiction of the Ministry of Electronics and Information Technology.
- ❖ The UIDAI is mandated to assign a 12-digit unique identification (UID) number (Aadhaar) to all the residents of India.

### **Southern Zonal Council Meeting**

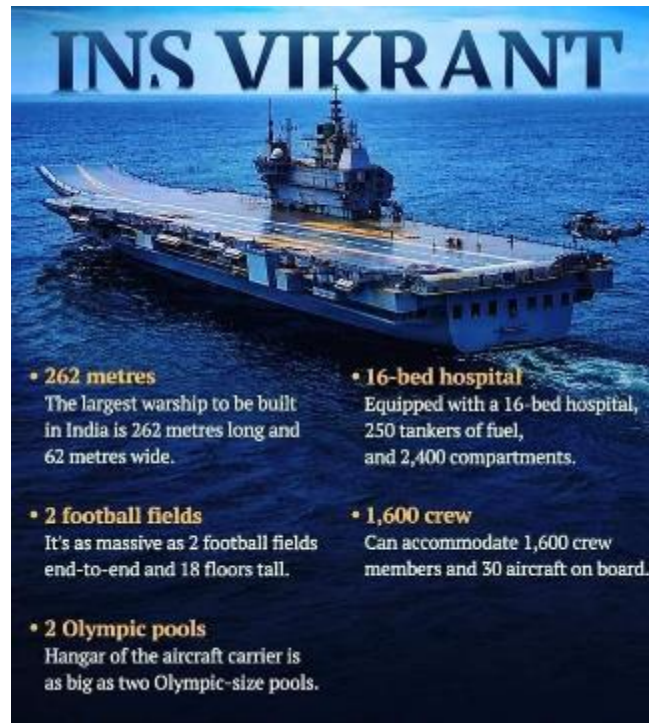
- ❖ The 30<sup>th</sup> council meeting was hosted and chaired by Kerala.
- ❖ The union home minister is the Chairman of this council.
- ❖ The meeting provides a platform for discussions on Centre-state relations and relations between the member States.
- ❖ It comprises the States of Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu and the Union Territory of Puducherry.

### **NALSA**

- ❖ President Droupadi Murmu has appointed Justice Chandrachud as the executive chairman of the National Legal Services Authority (NALSA).
- ❖ He takes up the position that became vacant after Justice UU Lalit was elevated as the 49th Chief Justice of India (CJI).
- ❖ The NALSA has been constituted under the Legal Services Authorities Act, 1987.
- ❖ It aims to provide free Legal Services to the weaker sections of the society.

- ❖ While the CJI is the Patron-in-Chief for NALSA, the second senior most judge of the Supreme Court of India is the executive chairperson of this Authority.

### **INS Vikrant inauguration**



- ❖ PM Modi unveiled a plaque to mark the induction of INS Vikrant into Indian Navy at Kochi.
- ❖ It is designed by Indian Navy's in-house Warship Design Bureau (WDB) and built by Cochin Shipyard Limited, a Public Sector Shipyard under the Ministry of Ports, Shipping & Waterways.
- ❖ It is the largest ship ever built in the maritime history of India, as big as the size of two football fields.
- ❖ It has a maximum designed speed of 28 Knots (approx. 52 KM per hour) with endurance of 7,500 Nautical Miles.
- ❖ It is built at a cost of ₹20,000 crore.
- ❖ It is a 262-meter-long vessel.
- ❖ The 45,000-tonne warship has been built at a cost of Rs. 20,000 crores.
- ❖ It is termed as a floating city with 18 floors.
- ❖ Countries such as the United States, United Kingdom, China, Russia, France and Japan are the others have the capability to create such large warships.

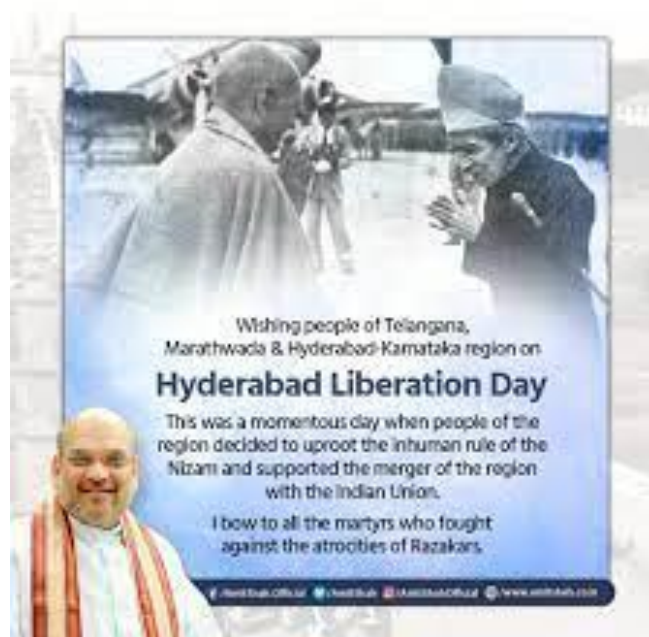


### **Village Defence Guards Program 2022**

- ❖ It is a programme with a defence component.
- ❖ It was launched concurrently with the Azadi ka Amrit Mahotsav.
- ❖ It was only recently introduced for the state of Jammu & Kashmir (J&K).
- ❖ It is an effort to improve security in Jammu's border regions
- ❖ It involves both the Indian Army and the Police in training volunteers from local communities.

### **Hyderabad Liberation Day**

- ❖ The Government of India approved annual commemoration of "Hyderabad Liberation Day " for the years 2022 to 2023, for the entire year.
- ❖ The Ministry of Culture will organise the inaugural event.
- ❖ The Center also plans to observe this day in all three states, even though Maharashtra and Karnataka already recognise it as Marathwada Liberation Day and Hyderabad-Karnataka Liberation Day, respectively.
- ❖ It honours India's conquest of Hyderabad in 1948 by Operation Polo.
- ❖ The last Nizam of Hyderabad's princely state, Osman Ali Khan Asaf Jah VII, was offered to join India in 1947 but he turned it down.
- ❖ The operation was done under the guidance of Sardar Patel.



### Special 60-day maternity leave

- ❖ The Central govt female staff to get a special maternity leave of 60 days.
- ❖ The leave will be granted in the event that a baby is lost before or during delivery, or if the infant passes away shortly after birth.
- ❖ It will only be available to Central govt female staff who have fewer than two living children.
- ❖ A directive in this regard was issued by the Department of Personnel and Training, in accordance to the Ministry of Personnel, Public Grievances and Pensions.



### Promotion of Bulk Drug Parks



- ❖ The Department of Pharmaceuticals has recently given 'in-principle' approval to the proposals to set up bulk drug parks in three states - Himachal Pradesh, Gujarat and Andhra Pradesh.

- ❖ Under this scheme, proposals for construction of bulk drug parks were received from 13 states.
- ❖ This scheme is encouraging domestic manufacturing of bulk drugs and providing easy access to standard testing and infrastructure to reduce import dependence.

### **Kartavya Path**

- ❖ The government of India has announced to change the name of Rajpath and Central Vista lawns into Kartavya Path.
- ❖ Earlier, the Modi government had changed the name of the road on which the Prime Minister's residence is, from Race Course Road to Lok Kalyan Marg.
- ❖ Kartavya Path includes the entire avenue and area from the Netaji Statue to the Rashtrapati Bhavan.
- ❖ The route runs from Rashtrapati Bhavan on Raisina Hill through Vijay Chowk and India Gate to National Stadium in Delhi.

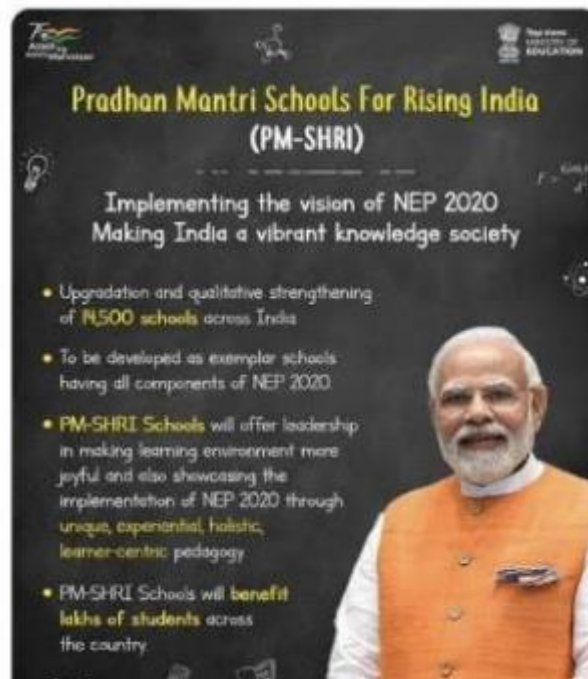


### **3rd Largest Economy of World**

- ❖ India is set to become the third largest economy in the world by 2029.
- ❖ A State Bank of India report said India will surpass Germany in 2027 and most likely Japan by 2029 at the current rate of growth.
- ❖ The share of India's GDP to the World is now at 3.5 per cent.
- ❖ It is likely to cross 4 per cent in 2027, which is the current share of Germany in global GDP.
- ❖ However, in terms of GDP per capita, India still lags behind most economies in the world.

- ❖ As per World Bank data it had a GDP per capita of \$2,277 in 2021, whereas the UK had a per capita income of \$47,334.
- ❖ China's per capita income was nearly six times India's at \$12,556 in 2021.

## **PM SHRI Yojana**



- ❖ On the occasion of Teacher's Day, the Prime Minister has announced the development and upgradation of 14,500 schools across India under the Pradhan Mantri Schools For Rising India (PM-SHRI) Yojana.
- ❖ The PM-SHRI schools will have a modern, transformational and holistic method of imparting education.
- ❖ Focus will also be on modern infra including latest technology, smart classrooms, sports and more.

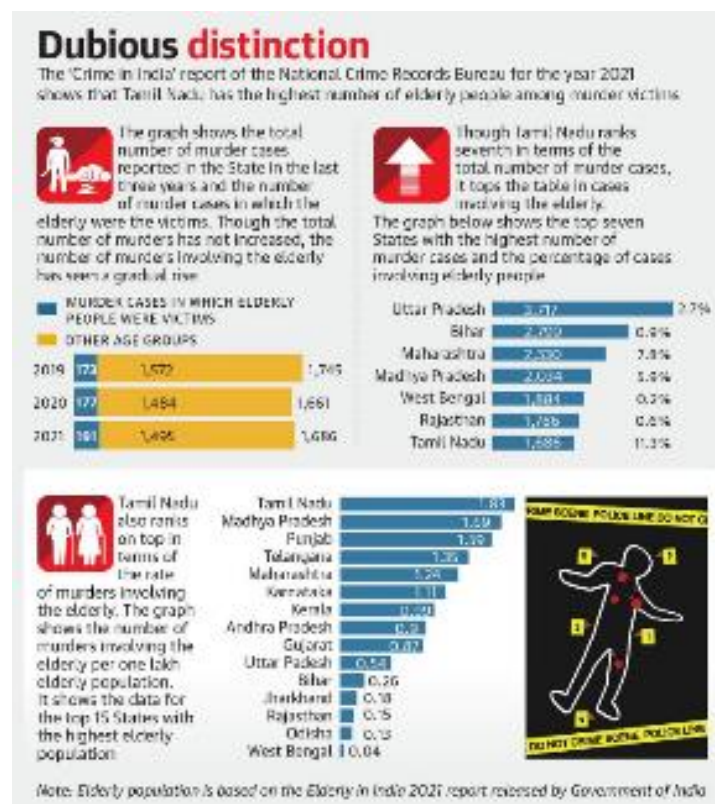
## **Scheduled Caste List**

- ❖ Recently, the Allahabad High Court quashed the Uttar Pradesh government's order to notify 17 OBCs as scheduled caste.
- ❖ It said that as per the provisions of Article 341 of the Constitution, any Caste or Group cannot be added to the list of Scheduled Caste in a State, except by law made by Parliament.
- ❖ Article 341 says that any change to the list of Scheduled Castes specified in the President's order can only be made by Parliament by law.



## Murder of Seniors in 2021

- ❖ It was according to the Crime in India report released by the National Crime Records Bureau recently.
- ❖ Tamil Nadu reported the highest number of murders of elderly people in the country in 2021.
- ❖ The second highest number of murders involving the elderly was reported in Maharashtra.
- ❖ The year 2021 marked the first time in recent years that Tamil Nadu topped the table in murders of elderly people.
- ❖ Tamil Nadu also had the highest crime rate when it came to murders of elderly people.
- ❖ The crime rate is calculated as the number of crimes per one lakh population.
- ❖ The percentage of the projected elderly population in Tamil Nadu was 13.6, the second highest in the country.
- ❖ Kerala had the highest, with 16.5% of its population aged above 60.
- ❖ It was according to the Elderly in India 2021 report released by the Union Ministry of Statistics and Programme Implementation.







#### **4<sup>th</sup> Progress report on Poshan Abhiyan**

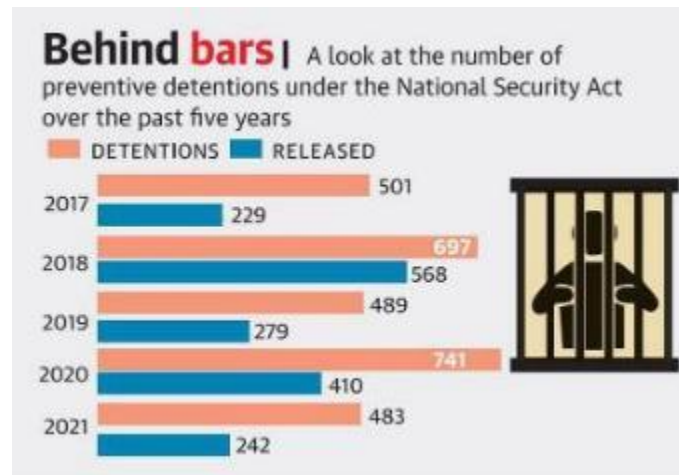
- ❖ A Niti Aayog report titled 'Preserving Progress on Nutrition in India: Poshan Abhiyan in Pandemic Times' was released.
- ❖ The report said that only 17 states and UTs had more than 75 per cent of children aged 12-23 months having been fully immunized.
- ❖ While 11 states and UTs had it at less than 25 per cent.
- ❖ Maharashtra won the top rank among states in the implementation of the Centre's Poshan Abhiyaan scheme.
- ❖ Andhra Pradesh got the second and Gujarat got the third rank.
- ❖ Tamilnadu came 4th place.
- ❖ Andhra is first among states that made 100 per cent recruitment of human resources required for the implementation of Poshan Abhiyan during Covid.
- ❖ It also stands at top in the distribution of mobile phones to Anganwadi workers.
- ❖ Andhra scored the highest in community health centres, as also in relation to services for children and infants, and recruitment of Auxiliary Nurse Midwives.

#### **Chief Justice of Madras High Court**

- ❖ The President of India announced that Justice M Duraishwamy will be temporarily filling in the vacancy as Acting Chief Justice.
- ❖ The appointment will take effect from September 13, the date of Munishwar Nath Bhandari's retirement.

#### **Preventive Detention in 2021**

- ❖ It saw a rise of over 23.7% compared to the year before, with over 1.1 lakh people being placed under preventive detention.
- ❖ It was according to the latest crime statistics released by the National Crime Records Bureau.
- ❖ A total of over 24,500 people placed under preventive detention were either in custody or still detained as of the end of last year, the highest since 2017.
- ❖ The NCRB has recorded data on preventive detentions under the Goonda Act (State and Central) (29,306) and Prevention of Illicit Traffic in Narcotic Drugs and Psychotropic Substances Act, 1988 (1,331).



### Samajik Adhikari Shivir

- ❖ It was organized by the Department of Social Justice & Empowerment in association with ALIMCO, Nagpur Municipal Corporation (NMC), and District Administration Nagpur.
- ❖ It was organized for the distribution of aid and assisting devices to Senior Citizens under 'Rashtriya Vayoshri Yojana' (RVY Scheme) and 'Divyangjan'.

### WEST initiative

- ❖ Principal Scientific adviser Pravinder Maini has launched the Women in Engineering, Science and Technology Initiative (WEST) to enable women's contribution to science.
- ❖ WEST is a new I-STEM (mapping of Indian Science Technology and Engineering) using a web portal for research sharing and promoting collaborations in R&D.
- ❖ I-STEM comes to under PM-STIAC Mission (allows scientific cross-sectoral collaboration and development).
- ❖ Other schemes: KIRAN (to encourage women scientists); CURIE (to develop infrastructure in women universities); Vigyan Jyoti (for girls in high school to pursue STEM).

### Counter Ransomware Exercise

- ❖ The National Security Council Secretariat (NSCS) and the UK government has jointly conducted the virtual Cyber Security Exercise for 26 countries.
- ❖ The exercise is a part of the India-led International Counter Ransomware Initiative- Resilience Working Group, facilitated by the British Aerospace (BAE) Systems.

## 7<sup>th</sup> Bengaluru Space Expo 2022



- ❖ It is organized in association with the ISRO, Indian National Space Promotion and Authorisation Centre (IN-SPACE), and NewSpace India Limited.
- ❖ It will have a concurrent international conference.
- ❖ The theme of the conference is 'Nurturing the NewSpace in India'.
- ❖ Country partner – Australia; Focus country – United Kingdom; Guest country - Netherlands

## TB Mukh Bharat Abhiyaan



- ❖ President Draupadi Murmu launched the Pradhan Mantri TB Mukh Bharat Abhiyaan.
- ❖ Pradhan Mantri TB Mukh Bharat Abhiyaan aims to eliminate tuberculosis from India by 2025.
- ❖ Prime Minister Narendra Modi has given a distinctive call to end TB in India giving years ahead of the Sustainable Development Goal (SDG) of 2030.
- ❖ Murmu also launched the Ni-Kshay Mitra initiative.



- ❖ The Ni-Kshay Mitra initiative will provide a platform for the donors to help TB patients who are undergoing treatment.
- ❖ The donors will be called Ni-Kshay Mitras.
- ❖ And the donation will include nutritional, additional diagnostic, and volcanic support.

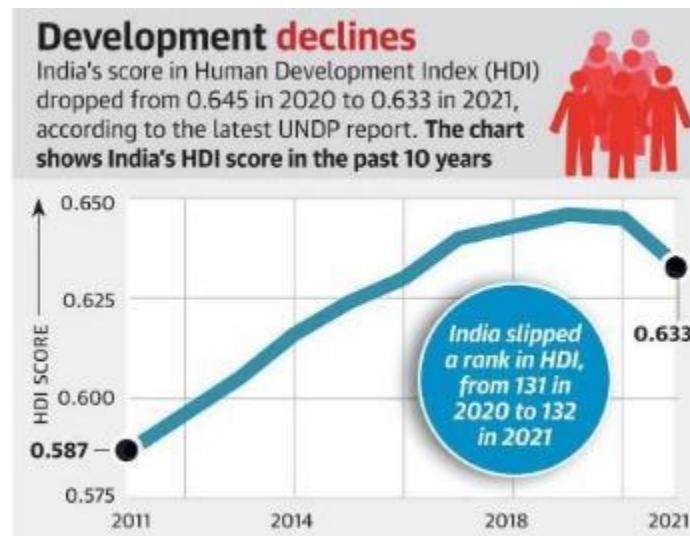
### **Extortion cases**

- ❖ Nagaland has recorded the highest rate of crimes under 'extortion and blackmailing' while Assam topped in reporting sedition cases since 2014.
- ❖ In this, Assam is followed by Haryana, Jharkhand and Karnataka.
- ❖ It was according to a report released by the National Crime Records Bureau (NCRB).

### **Human Development Index 2021**

- ❖ Recently, the Human Development Index 2021 was released by the United Nations Development Program (UNDP).
- ❖ For the first time on record, the global Human Development Index (HDI) has dropped for two years in a row.
- ❖ It was taking the world back to just after the adoption of the 2030 Agenda for Sustainable Development and the Paris Agreement.
- ❖ The report said around 90 per cent of countries registered a decline in their HDI value in 2020 or in 2021.
- ❖ Switzerland, Norway and Iceland topped the HDI 2021.
- ❖ India ranked 132nd among 191 countries and territories on the HDI 2021-2022.
- ❖ Last year, India was ranked 131.
- ❖ India's latest HDI value of 0.633 places the country in the medium human development category, lower than its value of 0.645 in the 2020 report.
- ❖ It is lower than the world average of 0.732.
- ❖ In 1990, Pakistani economist Mahbub-ul-Haq developed the Human Development Index (HDI).
- ❖ It measures average achievement in three basic dimensions of human development
  - A long and healthy life
  - Access to education and
  - A decent standard of living.

- ❖ It is calculated using the following four indicators
  - Life expectancy at birth
  - Mean years of schooling
  - Expected years of schooling, and
  - Per capita Gross National Income.



### Prototype Drone for Organ Transport

- ❖ India's first prototype drone for human organ transportation was unveiled recently.
- ❖ India is in the third position after the United States and China with a maximum 17,000-18,000 solid organ transplantation every year.
- ❖ The prototype of unmanned aerial vehicles to provide aid to human organ transplantation is co-created by MGM Healthcare.
- ❖ These 'human organ transporting drones' will be able to cover a distance of a maximum of 20 kilometres.





## **Manthan EXPO**

- ❖ The Union Minister for Road Transport and Highways Nitin Gadkari inaugurated 'Manthan' in Bengaluru.
- ❖ It is a three-day invitation conference cum public EXPO.
- ❖ Manthan aims to discuss multiple issues and opportunities in the roads, transport, and logistics sector and engage with the state.
- ❖ The theme of Manthan is 'IDEAS TO ACTION: Towards a smart, sustainable, road infra, mobility, and logistics ecosystem.'



## **Digital India Mission**

- ❖ Uttar Pradesh ranks at the top in the number of disposal and entry of cases through the e-Prosecution portal.
- ❖ It is managed by the Union government under its Digital India Mission.
- ❖ Uttar Pradesh totally handled 9.12 million cases through this portal.
- ❖ It is followed by Madhya Pradesh, Bihar, Gujarat and Chhattisgarh.
- ❖ UP also ranks at the top in disposal of online cases on this portal.
- ❖ It is followed by Madhya Pradesh and Gujarat.

## **Pupil Teacher Ratio**

- ❖ In Primary Schools, the pupil teacher ratio was at 43 in 2010-11.
- ❖ It has come down to 26.3 in 2020-21.
- ❖ While in Upper Primary schools, the pupil-teacher ratio has reduced from 33 in 2010-11 to 18.9 in 2020-21.
- ❖ Around 1.1 lacks schools in India are single-teachers' entities.
- ❖ There are 11.16 lakh teaching positions still vacant in the country.

- ❖ The Pupil Teacher Ratio at different levels of education show availability of adequate number of teachers for teaching children enrolled at different grade.
- ❖ The increase in number of teachers in schools is contributing to focused delivery of education.

HOW THE STATES FARED				
No. of students per teacher				
	Math	Science	Social Studies	Language
<b>Chandigarh</b>				
-	51	43	131	-
<b>Punjab</b>				
55	51	58	-	-
<b>Goa</b>				
58	42	91	24	-
<b>Assam</b>				
90	62	44	30	-
<b>Andhra Pradesh</b>				
66	46	97	33	-
<b>Haryana</b>				
71	67	93	24	-
<b>Karnataka</b>				
86	89	88	-	-

## National Electric Freight Platform



- ❖ NITI Aayog and World Resources Institute (WRI) launched India's first National Electric Freight Platform, E-FAST India.
- ❖ E-FAST India stands for Electric Freight Accelerator for Sustainable Transport-India.
- ❖ The platform aims to raise awareness of freight electrification bolstered by an on-ground demonstration pilot and evidence-based research.
- ❖ This Platform brings different stakeholders together with the support of the World Economic Forum, CALSTART, and RMI India.

### **National Conference on Sustainable Coastal Management in India**

- ❖ The first National Conference on Sustainable Coastal Management was inaugurated in India in Bhubaneswar, Odisha.
- ❖ The Conference was focused on enhancing climate resilience of India's coastal communities.
- ❖ It was attended by officials from all 13 coastal states of India.
- ❖ It focuses on the three interrelated themes of coastal and marine biodiversity, climate mitigation and adaptation and coastal pollution.

### **Centre-State Science Conclave**

- ❖ The Prime Minister inaugurated the 'Centre-State Science Conclave' in Ahmedabad.
- ❖ It is a great achievement for India and the government urges the Indian citizens to celebrate the achievements of Indian scientists.
- ❖ It is being organized to strengthen the coordination between Centre and state governments and collaboration mechanisms in promoting innovation and entrepreneurship.

### **3 trade pillars**



**Work in Progress**

Indo-Pacific Economic Framework for Prosperity has four pillars:

- Trade
- Supply chains
- Clean economy (clean energy)
- Fair economy (tax and anti-corruption)

Trade pillar deals with environment, labour, digital trade and agri

On remaining 3 pillars, India 'very much comfortable with final outcome'

India has chosen to stay out of trade pillar until contours clearer

IPEF structured jointly by the US and Indo-Pacific countries

(Concerns over joining trade pillar pertain to) digital trade, the linkage of environment and labour to trade, and possible binding commitments of any nature juxtaposed with the benefits that we will receive as a developing economy

**PIYUSH GOYAL** commerce and industry minister

- ❖ The US-led Indo-Pacific Economic Framework (IPEF) ministerial meet in Los Angeles was concluded recently.
- ❖ India opted to stay out of the trade negotiations but it joined the three other pillars of IPEF.

- ❖ IPEF is based on four pillars namely trade, supply chains, clean energy and a fair economy.
- ❖ India for now refrained from agreeing to the joint declaration on trade.
- ❖ This is due to the concerns over commitments required on the environment, labour, digital commerce and public procurement.
- ❖ IPEF represents over 40 per cent of the global economy.
- ❖ The Indo-Pacific region covers half the population of the world and more than 60% of the global GDP.

### **Parvat Prahar**

- ❖ Parvat Prahar is being conducted by the One Strike Corps of the Indian Army at Ladakh.
- ❖ The strike corps means that if China or Pakistan act anywhere, they will first enter and eliminate it.
- ❖ Parvat Prahar is a 20-day long exercise of the Indian Army.



### **Validity of 10 percent EWS quota**

- ❖ A five-judge Constitution Bench led by Chief Justice of India decided to examine three key issues to ascertain the validity of the 103<sup>rd</sup> amendment.
- ❖ The challenge to the EWS quota was referred to a five-judge Bench in August 2020.
- ❖ The 103<sup>rd</sup> Amendment inserted Articles 15(6) and 16(6) in the Constitution.
- ❖ It aims to provide up to 10 per cent reservation to EWS other than backward classes, SCs, and STs in higher educational institutions and initial recruitment in government jobs.
- ❖ The amendment empowered state governments to provide reservation on the basis of economic backwardness.

- ❖ The EWS reservation was granted based on the recommendations of a commission headed by Retired Major General S R Sinho.

**YOU ARE ELIGIBLE FOR THE 10% RESERVATION IF YOU:**

 <b>1</b> Have household income of less than ₹8 lakh a year At least 95% (127 crore)	 <b>2</b> Have agricultural land of less than 5 acres 86% land holdings in India fall under this category	 <b>3</b> Have a house smaller than 1,000 square feet At least 80% of households in India have houses smaller than 1,000 sq. ft.	 <b>4</b> Have a residential plot smaller than 100 yards in a municipality Data not available	 <b>5</b> A residential plot of less than 200 yards in a non-notified municipality NA
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### Cyber Crime Investigation and Intelligence Summit 2022

- ❖ The 4th Cyber Crime Investigation and Intelligence Summit-2022 is being organised by the Madhya Pradesh Police.
- ❖ It aims to improve the knowledge and abilities of police sub-inspectors and senior investigating officers in order to effectively prevent cybercrimes.

### National Lists of Essential Medicines 2022

- ❖ 384 drugs have been included in this list with addition of 34 drugs.
- ❖ While 26 from the previous list have been dropped.
- ❖ The medicines have been categorized into 27 therapeutic categories.
- ❖ With this, several antibiotics, vaccines and anti-cancer drugs will become more affordable by their addition to the list.
- ❖ NLEM plays an important role in ensuring the accessibility of affordable quality medicines at all levels of healthcare.
- ❖ It is a list released by the National Pharmaceuticals Pricing Authority (NPPA).
- ❖ The Ministry of Health and Family Welfare prepared and released the first in 1996 consisting of 279 medicines.
- ❖ This list was subsequently revised in 2003, 2011, 2015 and 2022.



## DRUGS LIST GETS A REJIG

► **Four major anti-cancer drugs** – bendamustine hydrochloride (leukemia), irinotecan HCl trihydrate (pancreatic cancer), lenalidomide (multiple myeloma), and leuprolide acetate (prostate and uterine cancer) – added to NLEM 2022

► **Insulin glargine and anti-diabetic drug** teneligliptin also included

► **Patented drugs** dolutegravir (anti-HIV), daclatasvir (Hepatitis C), and bedaquiline and delamanid (anti-TB) also part of the list

► **Common gastrointestinal drug** ranitidine removed

► **Disinfectants like bleaching powder** also taken off the list



## National Maritime Heritage Complex



- ❖ The Ministry of Ports, Shipping and Waterways is building the National Maritime Heritage Complex.
- ❖ This is planned at the historic Indus Valley civilization region of Lothal in Gujarat.
- ❖ The first-of-its-kind complex in India, this centre will showcase India's rich and diverse maritime heritage.

## New version of the Vande Bharat

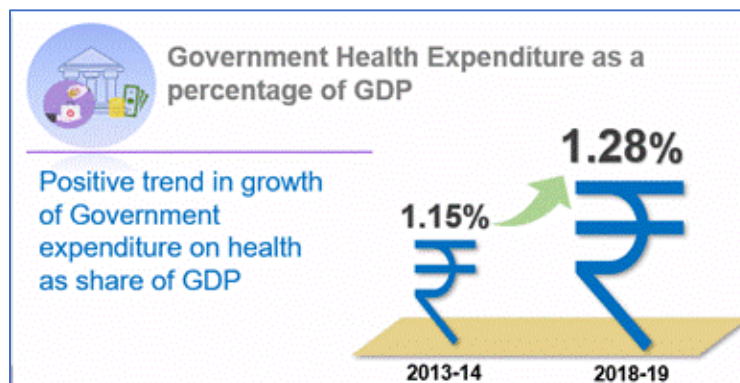
- ❖ The Indian Railways will launch the new Vande Bharat Express.
- ❖ It will be a high-speed train in its ongoing effort to provide passengers with the best amenities.

- ❖ The first Vande Bharat Express was launched on February 15, 2019.
- ❖ Currently, the Indian Railways will only operate the Vande Bharat Express, also known as Train 18, on two notable routes.
- ❖ One is from New Delhi to Shri Mata Vaishno Devi Katra and the other is from New Delhi to Varanasi.



### Per Capita Government Spending on Healthcare

- ❖ The per capita government spending on healthcare has increased by 74 per cent since 2013-14.
- ❖ As per National Health Accounts Estimates India 2018-19, the per capita government spending in 2013-14 was one thousand forty-two rupees.
- ❖ It has increased to one thousand eight hundred and fifteen rupees.
- ❖ The Government's share in the overall spending on health in the country is increasing steadily.

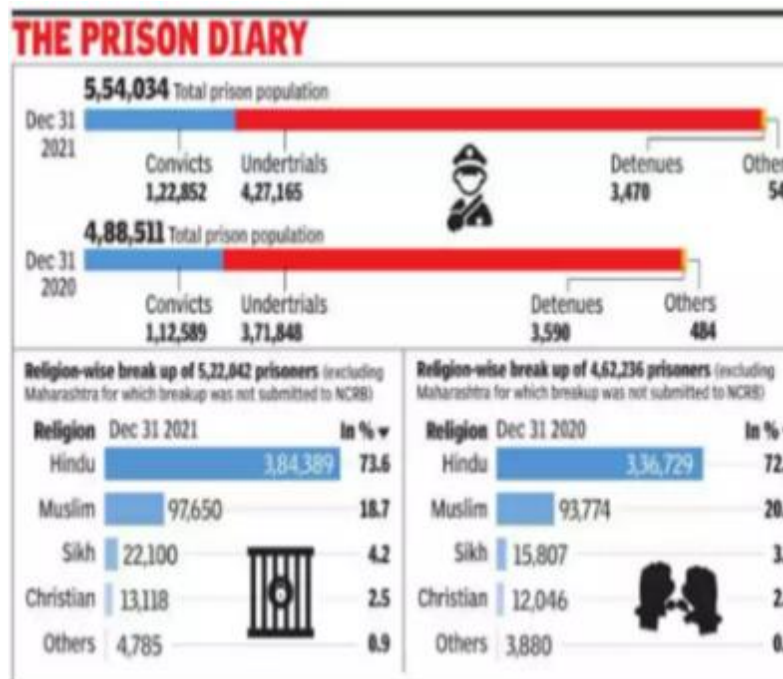


- ❖ The government's share in current health expenditure has increased from 23.2 per cent in 2013-14 to 34.5 per cent in 2018-19.
- ❖ The government health expenditure during that period on primary healthcare was around 51 per cent.

- ❖ It has increased to over 55 per cent in 2018-19.
- ❖ The per capita Out-of-pocket expenditure in the country has also decreased by eight per cent since 2013-14.

### Prison Statistics in India Report - 2021

- ❖ The latest all-India prison statistics was released by the National Crime Records Bureau (NCRB).
- ❖ The share of Muslims in India's total prison declined to 18.7% in 2021 from 20.2% in 2020.
- ❖ The percentage of Hindus rose to 73.6% from 72.8% over the same period.
- ❖ The percentage of Sikhs in the country's prison population increased to 4.2% from 3.4% at the end of 2020.



- ❖ The Christians fell marginally to 2.5% from 2.6% in the relevant timeframe.
- ❖ Jails in 19 out of 36 states and Union Territories were overcrowded.
- ❖ The rate was highest in Uttarakhand at 185 per cent, while in Rajasthan it was 100.2 per cent.
- ❖ Most prisoners came from economically-backward backgrounds while 25.2 per cent were illiterate.
- ❖ Out of the 51.7 per cent overall convicts, 21.69 per cent belonged to Scheduled Castes, 14.09 per cent to Scheduled Tribes and 15.9 per cent were Muslims.

- ❖ Of the 49 per cent under-trials, 21.08 per cent were Scheduled Castes, 9.88 per cent Scheduled Tribes and 18 per cent Muslims.
- ❖ Out of the 56.4 per cent détentés, Muslims were 27.7 per cent, Scheduled Castes and Scheduled Tribes 23.05 and 5.62 per cent respectively.

### **International Conference on Green Ship Recycling & Vehicle Scrapping**

- ❖ Union Ministry of Shipping, Ports and Waterways, along with Gujarat Maritime Board and FICCI, organised this International Conference in Gandhinagar.
- ❖ It aims to showcase the status of the ship recycling industry and explore synergies of ship recycling industry with the vehicle scrapping industry.



### **Cheetahs on India**

- ❖ 70 years after its extinction from India, the cheetahs are back on Indian soil.
- ❖ Eight big cats were released into the Indian wildlife in Madhya Pradesh's Kuno-Palpur National Park (KPNP) on 17th September by Prime Minister Modi on his 72nd birthday.
- ❖ India was home to Asiatic cheetahs in the past, but the species was declared extinct domestically by 1952.
- ❖ The last cheetah was killed in Koriya district of Chhattisgarh in 1947.
- ❖ The arrival of eight big cats from Namibia is the biggest wildlife translocation project in history.
- ❖ The Kuno National Park was chosen as the optimum location to introduce the extinct animal for its good prey base for cheetahs.
- ❖ The park has a good population of chinkara, spotted deer, and blackbuck, on which the cheetahs can prey and grow in the wild.



- ❖ These are Considered vulnerable under the International Union for Conservation of Nature (IUCN) Red List of threatened species.
- ❖ There are fewer than 7,000 cheetahs left around the world, primarily in the African savannas.
- ❖ Its range includes the eight countries of Namibia, Botswana, South Africa, Zimbabwe, Angola, Zambia, Tanzania, and Kenya.
- ❖ The 'African Cheetah Introduction Project in India' was first conceived in 2009.
- ❖ In July 2020, India and the Republic of Namibia had signed a Memorandum of Understanding (MoU) around the conservation of cheetahs.

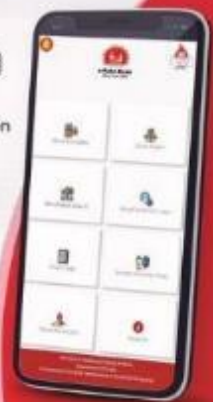


## Raktdaan Amrit Mahotsav

Support the  
**Noble Cause of Humanity**  
Be A Proud  
**Blood Donor**  
As Part of  
**Raktdaan Amrit Mahotsav**  
17<sup>th</sup> September 2022

Follow The Steps Given Below :

1. Register Yourself at  
<https://www.eraktkosh.in/>
2. Click on the Option of Blood Donation Camps
3. Select State, District and Date
4. Select Nearest Blood Donation Camp and Click on Register As Voluntary Donor
5. Fill All Details in the Pre-Registration Form
6. Click on the 'Register' to Submit





- ❖ Union Health Minister launched a 15-day blood donation drive on the occasion of Prime Minister birthday.
- ❖ The blood donation drive is known as 'Raktdaan Amrit Mahotsav'.
- ❖ It will continue till 1st October 2022 which is National Voluntary Blood Donation Day.
- ❖ The citizens can register themselves on Aarogya Setu App or e-Raktkosh portal to donate blood donations.

### India's First Forest University



- ❖ The Forestry Universities (UoF) Act 2022 was approved by the Telangana Assembly.
- ❖ This will be the first of its kind in India.
- ❖ Globally, it will be the third University of Forestry after Russia and China.
- ❖ The Telangana government has decided to expand the Forestry College and Research Institute (FCRI) in Hyderabad.

### **Swachh Sagar Surakshit Sagar Campaign**

- ❖ It is the first-of-its-kind and longest running coastal clean-up campaign in the world with the highest number of people participating in it.
- ❖ The Campaign concluded on "International Coastal Clean-up Day" (17th September 2022).
- ❖ The day aims to increase public awareness about the accumulation and negative impacts of litter in oceans, on coastlines and on beaches.

### **City with 'Smart Addresses'**

- ❖ Indore will create history by implementing a fully digital addressing system.
- ❖ This making it the first city in India to do so.
- ❖ The smart city advanced significantly when a memorandum of understanding was signed with the firm Pataa Navigations.
- ❖ Pataa has developed patented technology and is working with ISRO to develop a digital addressing system for the nation.



### **World's largest museum of Harappan culture**

- ❖ The world's largest museum of Harappan culture is coming up in Rakhigarhi in Haryana.
- ❖ It will showcase about 5,000-year-old Indus Valley artefacts.
- ❖ The village of Rakhigarhi was part of the Indus Valley Civilisation from 2600-1900 BC.

- ❖ The Archaeological Survey of India started excavating a village's foundation for the first time in 1963.



### **Addition of four tribes to ST list**

- ❖ The Union Cabinet has approved the addition of following four tribes to the list of Scheduled Tribes.
  - Hattee community of the Trans-Giri region of Himachal Pradesh's Sirmaur district.
  - Narikoravan and Kurivikkaran community from Tamil Nadu
  - Binjhia in Chhattisgarh
  - Gond community residing in 13 districts of Uttar Pradesh
- ❖ Synonyms for 11 tribes in Chhattisgarh and one tribe in Karnataka also included in the list

### **Criteria for inclusion in ST List**

- ❖ The process to include tribes in the ST list begins with the recommendation from the respective State governments.
- ❖ Indications of primitive traits; distinctive culture; geographical isolation; shyness of contact with the community at large; and backwardness.
- ❖ However, these criteria are not mentioned in the Constitution.

### **India's first plastic project**

- ❖ EKI Energy Services, a developer and seller of Carbon credits, announced that it is the first company to list an Indian plastic project under a global accreditation standard.
- ❖ Thus, this firm became the first company to ever list a plastic project from the nation with the goal of creating India's first-ever international plastic credits.

- ❖ The project by EKI Energy Services makes sure that plastic waste, primarily Polyethylene Terephthalate (PET) waste, PET flakes, and chips, are properly sourced and recycled to create Recycled Polyester Staple Fibre (RPSF).
- ❖ RPSF can then be used in the textile industry for clothing and other utility products made of fabric.

### **India's first Lithium Cell Manufacturing Plant**

- ❖ India's first lithium-ion cell manufacturing facility has launched the pre-production run at Tirupati, Andhra Pradesh.
- ❖ It is slated to start commercial production of battery cells from next month.
- ❖ The state-of-the-art facility has been set up by the Chennai based Munoth Industries Limited.
- ❖ The installed capacity of the plant at present is 270 Mwh.
- ❖ It can produce 20,000 cells of 10Ah capacity daily.



### **GEF Small Grants Program**

- ❖ The Ministry of Environment of Environment, Forest and Climate Change (MoEF), UNDP and The Energy and Resources Institute (TERI) have jointly launched the Global Environment Facility Small Grants Programme.
- ❖ The aim of this project is to build local communities' capacity to take collective action towards conserving the environment and achieving sustainable development.
- ❖ It provides financial and technical assistance to projects focusing on conserving and restoring environment while also enhancing the lives of local communities.
- ❖ 2022 marks the 7th operational phase of this programme.
- ❖ The grants are given to non-governmental organizations and other institutions working in specific landscapes.



## **World Water Congress and Exhibition 2022**

- ❖ This was organized in Denmark from September 1 to 15.
- ❖ It is organized every few years across the world to bring together experts to share insights, network and do business.
- ❖ It provides opportunity to focus on current issues and trends and reflect on the strengths of the location in which the event is being organized.
- ❖ The 2022 edition was organized in Copenhagen based on the theme 'Water for Smart Liveable Cities'.
- ❖ It showcased the best practices in Denmark and other Nordic countries as well those from the rest of the world.
- ❖ During the event, India and Denmark launched the Joint Whitepaper on 'Urban Wastewater Scenario in India'.
- ❖ This Whitepaper aims to comprehensively capture the present status of wastewater treatment in India.

## **India Discrimination Report 2022**

- ❖ Oxfam India recently released the India Discrimination Report, 2022.
- ❖ Labour force participation rate of women in India is just 25 per cent in 2021.
- ❖ This is lesser than the figure of 42.7 per cent in 2004-05 and the lowest among the BRICS countries.
- ❖ Gender discrimination is the main reason behind the 98 per cent employment gap between males and females in India.
- ❖ The average earning of a man is about 2.5 times that of a woman.
- ❖ In 2019-20, 60 per cent of all men aging 15 and above have regular salaried and self-employed jobs.
- ❖ During the same period, only 19 per cent of women in that age group had jobs.
- ❖ Apart from gender-based salary gaps, the report also found differences in income among castes.
- ❖ The mean income of regular employed persons belonging to the Scheduled Castes or Scheduled Tribes in urban regions was Rs.15,312.
- ❖ This is lesser than Rs.20,346 earned by those belonging to the General Category.
- ❖ This means that general category's earnings is 33 per cent higher than SC/ST communities.
- ❖ In 2019-20, 68% of difference between Muslim and Non-Muslim engaged as salaried workers in urban areas was due to discrimination

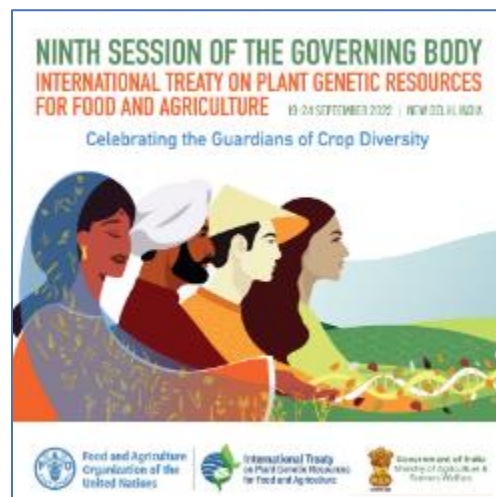


TABLE 2 - DISCRIMINATION IN WAGES/EARNINGS, IN PERCENTAGES

VARIABLES	2019-20			2018-19			2014-05	
	RS	SE	CL	RS	SE	CL	RS	CL
SC/ST	20.7	58.1	76.6	10.9	49.7	72.7	19.4	63.5
MUSLIMS	2.0	2.6	0.0	0.0	0.0	0.0	9.1	0.0
GENDER	75.7	84.6	95.4	82.7	75.1	95.0	67.2	90.4

### GB of ITPGRFA

- ❖ The ninth session of the GB of ITPGRFA was held in the national capital.
- ❖ The Governing Body was convened as per Article 19 of the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA).
- ❖ It is currently being organized under the theme “Celebrating the Guardians of Crop Diversity: Towards an Inclusive Post-2020 Global Biodiversity Framework”.
- ❖ The meet was originally scheduled to be held in December 2021 but postponed twice, first to May and again to September.
- ❖ The eighth session of GB was held in Rome in November 2019.
- ❖ The ITPGRFA is a legally binding multilateral agreement signed during the 31st session of the United Nations Food and Agriculture Organization in Rome in 2001.
- ❖ The treaty took effect on June 29, 2004.
- ❖ It currently has 149 contracting parties, including India.
- ❖ It was created in lines with the Convention on Biological Diversity.



## India's most valuable brand



- ❖ IT services firm Tata Consultancy Services became India's most valuable brand in 2022.
- ❖ This report was released by market data and analytics firm Kantar.
- ❖ It is followed by HDFC Bank and Infosys.
- ❖ HDFC Bank has held the No.1 position since the ranking was unveiled in 2014.

## India's first Swachh Sujal Pradesh

- ❖ Andaman and Nicobar Islands declared as India's first Swachh Sujal Pradesh.
- ❖ With this accomplishment, all villages on the Andaman and Nicobar Islands have received the Har Ghar Jal certification and have been verified as ODF plus open defecation free.
- ❖ Safe and secure drinking water supply and its management is a crucial aspect of the Sujal and Swachh.
- ❖ Andaman and Nicobar Islands were declared to have achieved 100% coverage of rural households with tap water connection.
- ❖ It became the third State/UT in the country to achieve 100% coverage of rural households with tap water supply after Goa and Telangana.



## MEE-ZOO Report 2022

### 82% SCORE IN MEE TEST

<p>➤ Arignar Anna Zoological park is spread over 502 hectares, housing about 2,300 animals</p> <p>➤ A total of 178 species of birds, mammals and reptiles are in the facility. <b>Of these, 98 species are birds, 48 are mammals and 32 are reptiles</b></p> <p>➤ Some species in the zoo such as Nilgiri langur, lion-tailed macaque, Malabar giant squirrel, fresh water otter, hyena and wild dogs <b>are found in the Western Ghats of Tamil Nadu</b></p>	<p><b>UNIQUE FEATURES</b></p> <p>➤ Skill development programme for zoo staff, <b>including animal keepers</b></p> <p>➤ As part of green initiatives, solar lamps have been installed on all roads inside the zoo and on roads inside the staff quarters. <b>This helps in reducing electricity charges</b></p> <p>➤ More than 200 cameras installed in key enclosures to <b>monitor the health of the wildlife</b></p>
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- ❖ The Ministry of Environment, Forest and Climate Change had recently released the Management Effectiveness Evaluation (MEE-ZOO) report 2022.
- ❖ It was created based on the survey of zoos across India.
- ❖ India currently has 147 recognized zoos.
- ❖ These are categorized as large (17), medium (23), small (33), mini-zoos (60) and rescue centres (14).
- ❖ The recent MEE-ZOO evaluated the 39 zoos under the categories large and medium.
- ❖ Vandalur Zoo was rated “Very Good” and it is the top performers of large zoo category.
- ❖ West Bengal’s Padmaja Naidu Himalayan Zoological Park is the Top performers of medium zoo category.
- ❖ Alipore Zoological Garden, National Zoological and Nawab and Wajid Ali Shah Zoological Garden is the Top performers in context element.
  - Top performer in planning element: Vandalur Zoo.
  - Top performers in Input element: Vandalur Zoo, Padmaja Naidu Himalayan Zoological Park and Mysore Zoo.
  - Top performers in Process element: Kanpur Zoological Park and Mysore Zoo.
  - Top performers in Output element: Vandalur Zoo and Padmaja Naidu Himalayan Zoological Park.
  - Top performer in Outcome element: Padmaja Naidu Himalayan Zoological Park.

### KRITAGYA 3.0

- ❖ KRITAGYA 3.0 was launched by ICAR to promote “speed breeding” for crop improvement.
- ❖ This initiative would give opportunities for students, faculties, entrepreneurs, innovators and others to demonstrate innovative approaches and technological solutions for the crop improvement.
- ❖ The KRITAGYA stands of KRI for Krishi, which means agriculture; TA for Taknik, meaning technology; and GYA for Gyan meaning knowledge.



### Decommission of INS Ajay

- ❖ INS Ajay was commissioned on January 24, 1990 at Poti, Georgia in the erstwhile USSR.
- ❖ It was decommissioned after rendering 32 years of glorious service to the nation.
- ❖ It participated in several naval operations including Operation Talwar during the Kargil War and Operation Parakram in 2001.


### First female camel riding squad




- ❖ Border Security Force's first female camel riding squad will be deployed along the India-Pakistan border in Rajasthan & Gujarat.
- ❖ The squad will participate for the first time in the BSF Raising Day Parade on 1st December.
- ❖ This Squad will be the first of its kind in the world.

### **Status of SC converts to Islam and Christianity**

### **Matter of Fact**



**Three-member**  
panel likely to be  
chaired by a  
Cabinet minister and have  
on board a member from  
the judiciary and another  
retired central  
government secretary



**The Ranganath**  
Mishra  
Commission in  
2007 had  
recommended that the  
Constitution (Scheduled  
Castes) Order, 1950, should  
be deleted to delink SC  
status with religion and  
grant religion-neutral  
status to all Dalits, like  
Scheduled Tribes

- ❖ The Central Government will constitute a national commission to study the social, economic and educational status of members of Scheduled Castes or Dalits who have converted to religions other than Hinduism, Buddhism and Sikhism.
- ❖ It will also study the impact of adding more members into the current SC list.
- ❖ It will not include members of STs and OBCs who have converted to Islam and Christianity.
- ❖ The Constitution (Scheduled Castes) Order, 1950 under Article 341 states that no individual belonging to religion other than Hinduism, Sikhism or Buddhism can be recognized as a member of the Scheduled Caste.
- ❖ The original order classified SC members belonging to only Hinduism.
- ❖ It was later amended in 1956 to include Sikhs and in 1990 to include Buddhists.



### **National Technical Textiles Mission**

- ❖ The Ministry of Textiles cleared 23 strategic research projects in the areas of Specialty fibres, Sustainable Textiles, Geotextiles, Mobiltech and Sports textiles.
- ❖ These strategic research projects fall under the Flagship Programme 'National Technical Textiles Mission.'
- ❖ Among these 23 Research projects, 12 Projects of Speciality Fibres having application areas in Agriculture, Smart Textiles, Healthcare, Strategic Application and Protective gears were cleared.
- ❖ 4 Projects from Sustainable Textiles having application area in Agriculture and Healthcare Sector were cleared.
- ❖ Also, 5 projects from Geotextile, 1 from Mobiltech and 1 from Sportech were cleared.



### **District disability rehabilitation centers (DDRCs)**

- ❖ Nine district disability rehabilitation centres across the country have been upgraded to include speech, visual therapy and psychologists.
- ❖ The upgraded model DDRCs are situated in Badaun, Pilibhit, Bareilly, Balaghat, Golaghat, Ahmedabad, Amravati, Kullu and Rampur.
- ❖ DDRC is an initiative of the Union Ministry of Social Justice and Empowerment.
- ❖ It aims to provide comprehensive services to Persons with Disabilities (PwDs) in rural parts of India.



### **Satellite-based internet at Siachen**

- ❖ The Indian Army recently activated a satellite-based Internet service on the Siachen Glacier, Ladakh.
- ❖ It was activated on the Siachen Glacier at 19,061 feet, the World's Highest Battlefield.
- ❖ It has been provided by the Broadband Network Limited (BBNL).



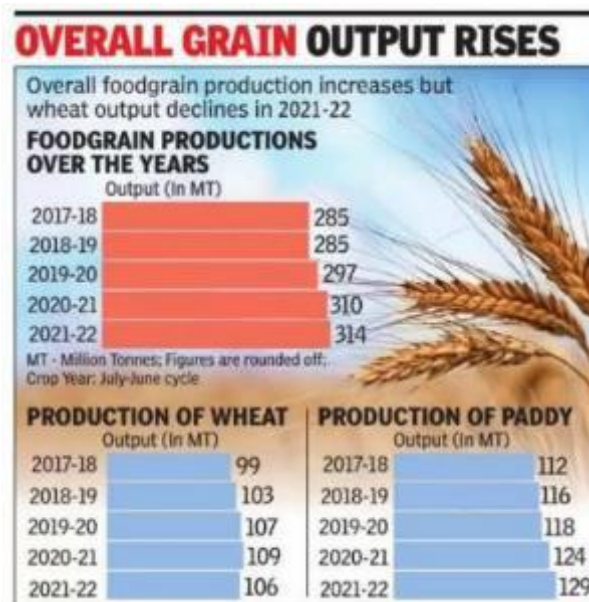
### **Patrol vessel Samarth**

- ❖ To improve the coastal security system, the Indian Coast Guard added Patrol Vessel Samarth to its fleet.
- ❖ The ship is equipped with a cutting-edge surveillance system and has the ability to control marine oil spills.



## First Advance Estimates of production of major kharif crops

- ❖ The Centre has released the first-ever advance estimates of production of major Kharif crops.
- ❖ The recently released estimates predict the production of 149.92 million tonnes of food grains in the country.
- ❖ This is lesser than the target of 163.15 million tonne for the Kharif 2022-23 season and the production of 156.04 million tonnes during the last kharif season (2021).
- ❖ During the last kharif season, the total kharif foodgrain production was 150.58 million tonnes.
- ❖ The rice production is expected to be 104.99 million tonnes.
- ❖ It is higher by 4.40 million tonnes than the average production of Kharif rice in the last five years from 2016-17 to 2020-21.
- ❖ However, it is 6 per cent lesser than the production of 111.76 million tonnes during the last season.
- ❖ The maize production is expected to reach 23.10 million tonnes.
- ❖ The oilseeds production is expected to stand at 23.57 million tonnes,
- ❖ The total production of sugarcane in 2022-23 is expected to reach 465.05 million tonnes.
- ❖ The total pulses production is expected to reach 8.37 million tonnes.
- ❖ It is higher by 91.59 million tonnes than average sugarcane production of 373.46 million tonnes.



### **Export promotion council for medical devices**

- ❖ The new Export promotion council would have headquarters in Yamuna Expressway Industrial Development Authority (YEIDA), Greater Noida, Uttar Pradesh.
- ❖ Its regional offices will be in Visakhapatnam and Hyderabad.
- ❖ It will be overseen by a committee of administration, which will have both nominated and elected members from the government and medical devices industry.
- ❖ The EPC will help in the promotion of export of medical devices at the global market through various initiatives that ensure their promotion.
- ❖ It will come under the aegis of the Department of Pharmaceuticals, Ministry of Commerce and Industry.
- ❖ India had exported Rs 23,766 crore worth of medical devices in FY22.
- ❖ This is an increase from the previous year's figure of Rs 19,736 crore.



### **Under-5 mortality rate**

- ❖ India's under-5 mortality rate has dramatically decreased from 35 to 32 in 2020.
- ❖ Under-5 mortality rate has dramatically decreased from 35 per 1,000 live births in 2019 to 32 per 1,000 live births in 2020.
- ❖ Largest fall was observed in Uttar Pradesh (UP) and Karnataka.
- ❖ It varies from 36 in rural areas to 21 in urban areas.
- ❖ Kerala (6) had the lowest IMR while Madhya Pradesh (43) had the highest.
- ❖ Kerala (8), Tamil Nadu (13) and other nine states and union territories have already met the SDG target of U5MR (less than or equal to 25 by 2030).
- ❖ The national Crude Birth Rate (CBR) for 2020 is 19.5
- ❖ It is representing a decrease of 0.2 percentage points from 2019.



### India's first full-arm transplant

- ❖ India's first full arm transplant was performed at the Kerala-based Amrita Hospital.
- ❖ It is the third of its type in the world.
- ❖ Such a transplant was only performed previously in Mexico and France.
- ❖ In 2015, Amrita Hospital conducted the country's first-hand transplant on a 30-year-old man.

### Lok Manthan program

- ❖ The third edition of the Lok Manthan program started at the Srimanta Sankardeva Kalakshetra in Guwahati.
- ❖ This year's theme for the Lok Manthan is Lok Parampara (Lok Traditions).
- ❖ It will emphasize that the Lok Traditions have kept our culture and heritage alive and intact.
- ❖ It has strengthened our feelings toward National Selfhood.

### Nistar & Nipun Vessels

- ❖ Two Diving Support Vessels (DSVs), Nistar and Nipun were launched by the Indian Navy in Visakhapatnam.
- ❖ They are the first of their kind ships to be indigenously designed and built for the Navy.





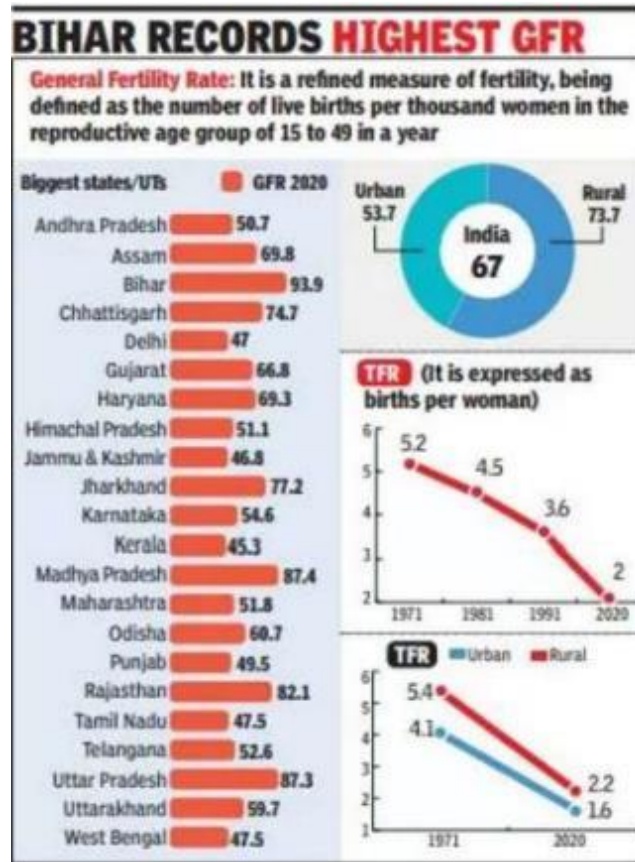
### **National Conference of Environment Ministers**

- ❖ The National Conference of Environment Ministers held in Gujarat.
- ❖ The objective of this conference is to promote cooperative federalism through the promotion of synergized working of central and state governments on issues pertaining to the environment and climate change.
- ❖ The conference will include 6 thematic sessions with topics focusing on
  - LiFE, Combating Climate Change (Updating State Action Plans on Climate Change for Mitigation of Emissions and Adaptation to Climate Impacts);
  - PARIVESH (Single Window System for Integrated Green Clearances);
  - Forestry Management;
  - Prevention and Control of Pollution;
  - Wildlife Management;
  - Plastics and Waste Management.

### **Sample Registration System (SRS) Statistical Report 2020**

- ❖ This report was recently released by the Registrar General of India.
- ❖ This revealed that there is a significant decline since 2014 in the following indicators and the country is currently in line towards achieving Sustainable Development Goals (SDGs) by 2030.
  - Infant mortality rate (IMR),
  - Under 5 Mortality Rate (U5MR),
  - Neonatal Mortality Rate (NMR).
- ❖ The Infant Mortality Rate has declined by 2 points to 28 per 1,000 live births in 2020 from 30 per 1,000 live births in 2019.
- ❖ The annual rate of decline is 6.7 per cent.
- ❖ The rural-urban difference has been reduced to 12 points.
- ❖ Under 5 mortality rates for females is higher than males.
- ❖ There was a decrease of 4 points in male U5MR and 3 points in female U5MR.
- ❖ Uttar Pradesh and Karnataka achieved the highest decline of U5MR of 5 points.
- ❖ The Neonatal Mortality Rate fell by 2 points from 22 per 1,000 live births in 2019 to 20 per 1,000 live births in 2020.
- ❖ This is an annual decline of 9.1 per cent.
- ❖ Six states and union territories have already attained UN SDG targets of NMR of less than 12 deaths per 1,000 live births by 2030.

- ❖ These include Kerala (4), Delhi (9), Tamil Nadu (9), Maharashtra (11), Jammu and Kashmir (12) and Punjab (12).



### New Chief of Defense Staff



- ❖ The Government appointed Lt General Anil Chauhan (retired) as the new CDS.
- ❖ Anil Chauhan, served in the army for 40 years, had retired last year.
- ❖ The post was lying vacant after the country's first CDS General Bipin Rawat died in an air crash on December 8 last year.



### **SRESTHA-Gujarat Project**

- ❖ USD 350 million in aid has been approved by the World Bank for the SRESTHA-G project.
- ❖ SRESTHA-G stands for “Systems Reform Endeavours for Transformed Health Achievement” Gujarat.
- ❖ This project aims on transforming key health delivery systems in Gujarat.
- ❖ This programme will also be focusing on the key areas of improving equity, quality, and inclusiveness of primary healthcare services for all adolescent girls in the state.
- ❖ It will also focus on the disease surveillance systems’ capacity.

## **INTERNATIONAL**

### **Parliamentary Association Conference**

- ❖ The Member of Parliament from the Jhansi-Lalitpur parliamentary constituency of Uttar Pradesh, Anurag Sharma has been elected as the International Treasurer of the Parliamentary Association Conference (CPA) at the 65th Commonwealth Parliamentary Association Conference in Halifax, Canada.
- ❖ The election of Sharma made him the second Indian office-bearer in the world’s largest and oldest International Parliamentary Association.
- ❖ The Commonwealth Parliamentary Association (CPA) was founded in 1911.
- ❖ It links parliamentarians and parliamentary staff from over 180 national, state, provincial and territorial parliaments and legislatures from 55 countries of the Commonwealth through its network.

### **10<sup>th</sup> largest life insurer**

- ❖ India overtakes China and UK to become world’s 10th largest life insurer
- ❖ Life Insurance Corporation (LIC) has emerged as the third strongest and tenth most valuable insurance brand globally.
- ❖ Italy’s Poste Italiane is the strongest insurance brand
- ❖ It is followed by LIC of India.
- ❖ Ping An Insurance of China is ranking as the most valuable brand



### **Kushiyara River**

- ❖ India and Bangladesh finalized a draft of a Memorandum of Understanding to share the waters of the Kushiyara River.
- ❖ It was signed during the 38th Ministerial Meeting of the India-Bangladesh Joint Rivers Commission.
- ❖ The Kushiyara River forms the Indo-Bangladesh border as a branch of the Barak River.
- ❖ When it separates from the Surma, it forms the branch of the Barak River.
- ❖ After flowing some distance in Bangladesh, it meets again with Surma river
- ❖ This combined river is now called Meghna River.
- ❖ Manipur, Mizoram and Assam receive water through this river in India.
- ❖ India and Bangladesh share 54 rivers between them.
- ❖ All the rivers of Bangladesh either have their source in India or pass through it.

### **Vostok Military Exercise 2022**

- ❖ Gorkha Rifles of the Indian Army arrived in Russia to participate in the multilateral tactical and command exercise Vostok 2022.
- ❖ In this exercise more than 50 thousand soldiers from India, China, Laos, Mongolia, Nicaragua, Syria and former Soviet countries will participate.
- ❖ Vladivostok is located in the far east of Russia on the Sea of Japan.

### **UN Human Right Report on China's Xinjiang region**

- ❖ United Nations Human Rights Body has released a report alleging abuses carried out by the Chinese Government in Xinjiang Province.
- ❖ It says that “detention of Uyghurs and other Muslim ethnic groups in Xinjiang constitutes “crimes against humanity”.
- ❖ Michelle Bachelet was the United Nations High Commissioner for Human Rights when the report was released.
- ❖ But China denied any of the charges levelled against it in the report.

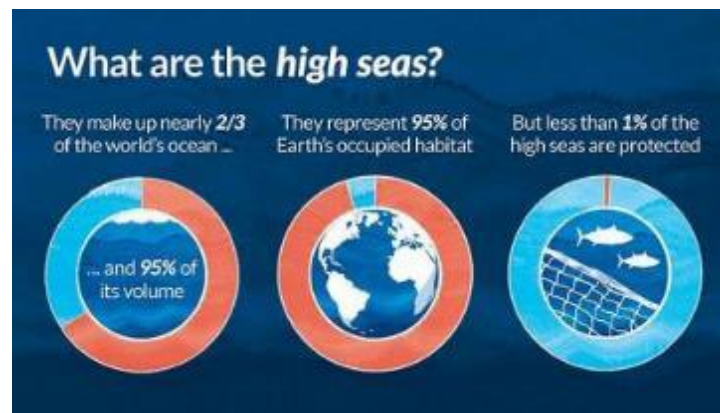


## UN High Seas Treaty

- ❖ It is also referred to as the 'Paris Agreement for the Ocean'.
- ❖ It was the treaty to deal with Biodiversity Beyond National Jurisdiction.
- ❖ It aimed to agree on a UN treaty for protecting ocean.
- ❖ It was a negotiation involving 168 countries, including the European Union.
- ❖ But it failed completely at the end of talks.
- ❖ In June, UN Secretary-General Antonio Guterres had declared an "ocean emergency" at the UN Ocean Conference in Lisbon, Portugal.
- ❖ It concerns the ocean existing beyond the Exclusive Economic Zones.
- ❖ That lie from the coast of a country to about 200 nautical miles or 370 km into the sea, till where it has special rights for exploration.
- ❖ Waters beyond that are known as open seas or high seas.
- ❖ The treaty was to be negotiated under the United Nations Convention on Laws of the Sea (UNCLOS) of 1982
- ❖ UNCLOS governs the rights of countries regarding marine resources.
- ❖ The UNCLOS led to the establishment of territorial sea boundaries 22 km offshore, deciding the region up to which countries could claim full sovereign territorial rights, as well as the 200 nautical miles EEZ limit.



- ❖ It also created the International Seabed Authority and other conflict-resolution mechanisms.
- ❖ But as of now, there is no treaty for conserving the health of vast swathes of the earth's oceans.
- ❖ Conversely, every country has the right to access open seas.
- ❖ It will be resulting in large-scale drilling and trawling operations for catching fish and other animals for commercial purposes.
- ❖ High Ambition Coalition was formed with the participation of more than 100 countries including India, the US, and the UK.
- ❖ It came about and put the focus on '30×30' goals – protecting 30% of the ocean by 2030.



### **Progress on WASH in Healthcare facilities 2000-2021**

- ❖ The UNICEF and WHO released this report to see progress on WASH (Water, Sanitation and Hygiene).
- ❖ Nearly 4 billion people are at risk since over 50% of health facilities in the world lack basic hygiene services.
- ❖ Universal basic WASH services could be achieved in 46 least developed countries (LDCs) by 2030 for less than US\$10 billion.
- ❖ In India, only 38 per cent of the country's clinics and hospitals have basic hygiene.
- ❖ India has basic hygienic provision 12 per cent less than the global average.
- ❖ The non-government health establishments have a clear edge in this respect.
- ❖ 69 per cent of private is boasting basic hygiene compared with only 32 per cent of the government facilities.
- ❖ Rural-urban divide in terms of access to safe water in healthcare centres is also striking.

- ❖ 90 per cent of the urban facilities are providing for safe water while only 10 per cent of rural areas doing the same.



### **Ramon Magsaysay Award 2022**

- ❖ The 2022 Ramon Magsaysay Awardees are Sotheara Chhim (Cambodia), Bernadette Madrid (Philippines), Tadashi Hattori (Japan) and Gary Benchehib (Indonesia).
- ❖ Sotheara Chhim is a mental health advocate from Cambodia.
- ❖ Tadashi Hattori is a sight-saving humanitarian doctor from Japan.
- ❖ Bernadette Madrid is a children's rights activist from the Philippines.
- ❖ Gary Benchehib is an anti-plastic pollution warrior from Indonesia
- ❖ It was announced by the Ramon Magsaysay Awards Foundation (RMAF) of Philippines.
- ❖ Established in 1957, it is named after Ramon Magsaysay, the third president of the Philippines
- ❖ It is widely regarded as the "Nobel Peace Prize of Asia".

### **India Covid-19 Procurement: Challenges, Innovations, and Lessons**

- ❖ It was a report published by the World Bank.
- ❖ In this, the World Bank applauds India's effective response to the COVID-19.
- ❖ Early export restrictions worked in its favour during the public health emergency in the country.

- ❖ The World Bank acknowledged the Indian government's decision to have centralised procurement, support for long-term market development and production of Emergency Medical Equipment (EME).
- ❖ The development of strong inter-ministerial bodies enabled the government to decide quickly on a centralised procurement to aid the state.
- ❖ The “Covid-19 Emergency Response and Health Systems Strengthening Project” was jointly funded by the World Bank and the Asian Infrastructure Investment Bank (AIIB) for \$1.5 billion.



## World Social Protection Report 2020-22

- ❖ The International Labour Organisation recently released a report specific to Asia and the Pacific.
- ❖ Almost 53% of the population in the world has no social protection.
- ❖ 56% in the Asia-Pacific and in India over 76% have no social protection.
- ❖ India's social security spending is lower than 5% of GDP per capita.
- ❖ ILO is a specialized agency of the United Nations.
- ❖ It is the only tripartite UN agency, bringing together governments, employers and workers of 187 member States.

## UK's new Prime Minister

- ❖ Liz Truss was elected as the leader of the ruling Conservative Party and UK new prime minister.
- ❖ She defeated Rishi Sunak, who is of Indian descent.
- ❖ Liz Truss is now the third woman to be elected prime minister of the United Kingdom after Margaret Thatcher and Theresa May.
- ❖ All the three are from the Conservative party.

- ❖ She will succeed Boris Johnson as the leader of Britain.



### **Global Economic and Insurance Outlook**

- ❖ Swiss Re Institute released this report.
- ❖ India will be 6th largest insurance market by 2032 from 10th largest in 2021.
- ❖ The life insurance premiums in India are set to cross USD 100 billion for the first time in 2022.
- ❖ Inflation and monetary policy tightening are driving long-term sovereign bond yields higher.
- ❖ It is with markets pricing in both higher real yields and inflation expectations.
- ❖ The insurers will over time benefit from higher investment returns that will help offset the higher claims cost.

### **UNESCO Global Network of Learning cities 2022**

- ❖ According to UNESCO, this network is a global policy-oriented network offering “inspiration, know-how and best practice”.
- ❖ India’s Three Cities i.e., Telangana’s Warangal, Kerala’s Thrissur & Nilambur have been inducted into this list.
- ❖ They became the nation’s first entrants in the UNESCO Global Network of Learning Cities.
- ❖ Warangal is the second UNESCO recognition for Telangana.
- ❖ Earlier, Ramappa Temple in Mulugu district of Telangana was included in the list of UNESCO World Heritage Sites.
- ❖ The Three Indian Cities were part of the 77 cities from 44 countries.
- ❖ There are six features that define a learning city

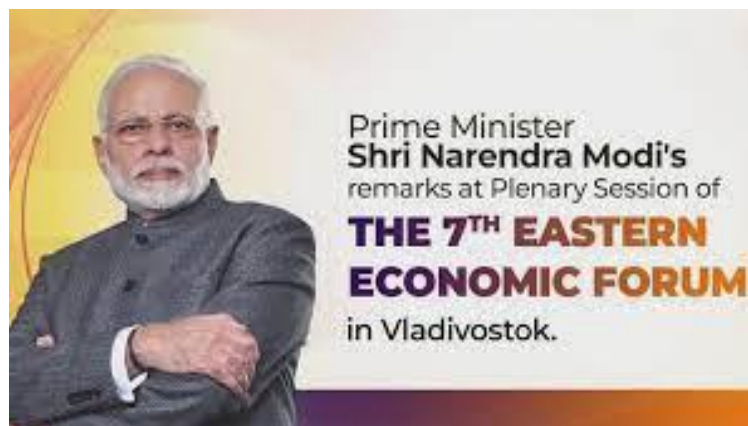
- Effectively mobilises its resources in every sector to advocate inclusive learning
- Revitalises learning in families and communities
- Facilitates learning for and at workplaces
- Extends the use of modern learning technologies
- Augments quality and excellence in learning
- Fosters a culture of learning throughout life.

### **Maitree Super Thermal Power Project**

- ❖ Prime Minister Narendra Modi and Bangladesh Prime Minister Sheikh Hasina recently unveiled Unit-1 of Maitree Super Thermal Power Project.
- ❖ It is located at Rampal in Bagerhat district of Khulna division of Bangladesh.
- ❖ It is being developed under India's concessional financing scheme.

### **7th Eastern Economic Forum**

- ❖ It was held in Vladivostok, Russia.
- ❖ This year's theme was 'On the Path to a Multipolar World'.
- ❖ It was established in 2015 for the purpose of encouraging investment in the Russian Far East.
- ❖ The Russian Far East has many petroleum resources which is of great interest to India.
- ❖ India was the first country to open a consulate in this city.







### **International Travel Award 2023**

- ❖ West Bengal has been accredited the International Travel Award 2023 for Best Destination for Culture by the Pacific Area Travel Writers Association (PATWA).
- ❖ It is an affiliate member of the United Nations World Tourism Organization (UNWTO).
- ❖ The award will be presented at the World Tourism and Aviation Leaders' Summit in Berlin, Germany, on March 9, 2023.
- ❖ For the second year in a row, World Travel Awards selected the Republic of Cuba as the Caribbean's Leading Cultural Destination in 2022.

### **World Dairy Summit 2022**

- ❖ India will host the International Dairy Federation's World Dairy Summit 2022 in Greater Noida, National Capital Region.
- ❖ It will be happening in India after the last World Dairy Summit was organised in 1974 in New Delhi.
- ❖ India has the largest milk producer in the world, contributing 23 % of global milk production.
- ❖ The top 3 milk-producing states are Uttar Pradesh, Rajasthan and Madhya Pradesh.

### **Queen Elizabeth II**

- ❖ Queen Elizabeth II passed away at Balmoral of Scotland at the age of 96.
- ❖ She reigned the UK for 70 since 1952.
- ❖ She is the World's Oldest Monarch and the Longest Reigning Monarch of Britain.
- ❖ In 2015, Queen Elizabeth became the longest-serving British monarch, surpassing her great-great grandmother Queen Victoria.
- ❖ This year, she became the world's second longest reigning monarch.
- ❖ She is also Head of the Commonwealth and Supreme Governor of the Church of England.
- ❖ Plans for the Queen's death and the accession of Charles (73) to the British throne are code named Operation London Bridge and Operation Spring Tide respectively.
- ❖ The Government of India declares 1 day State mourning on September 11 in respect of Queen Elizabeth II.



## India and Bangladesh - CEPA

- ❖ India and Bangladesh will soon commence negotiations on a Bilateral Comprehensive Economic Partnership Agreement (CEPA).
- ❖ In 2021-22, Bangladesh has emerged as the largest trade partner for India in South Asia and the fourth largest destination for Indian exports worldwide.
- ❖ India is Bangladesh's second biggest trade partner, and its largest export market in Asia.
- ❖ The CEPA is likely to focus on trade in goods, services, and investment, with a key objective being the reduction of the trade gap between the two countries.

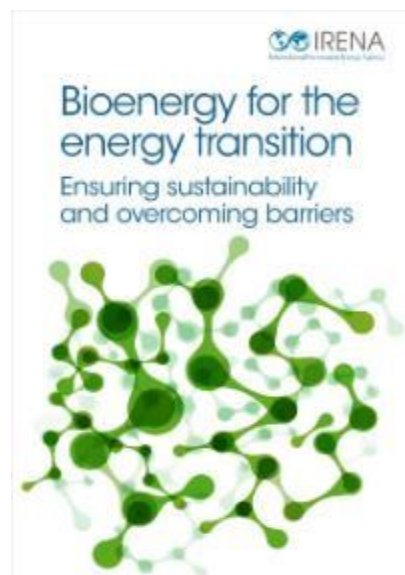


### Gogra-Hot springs Area

- ❖ The Indian and Chinese troops have begun disengaging at Patrolling Pillar-15 (PP-15) in the Gogra-Hot spring region of Eastern Ladakh.
- ❖ The move comes ahead of Shanghai Cooperation Organisation (SCO) summit in Uzbekistan.
- ❖ PP-15 is one of the 65 patrolling points in Ladakh along the Line of Actual Control.
- ❖ Hot Springs is just north of the Chang Chenmo River and Gogra Post is east of the point.
- ❖ The area is north of the Karakoram Range of mountains, which lies north of the Pangong Tso lake, and south east of Galwan Valley.

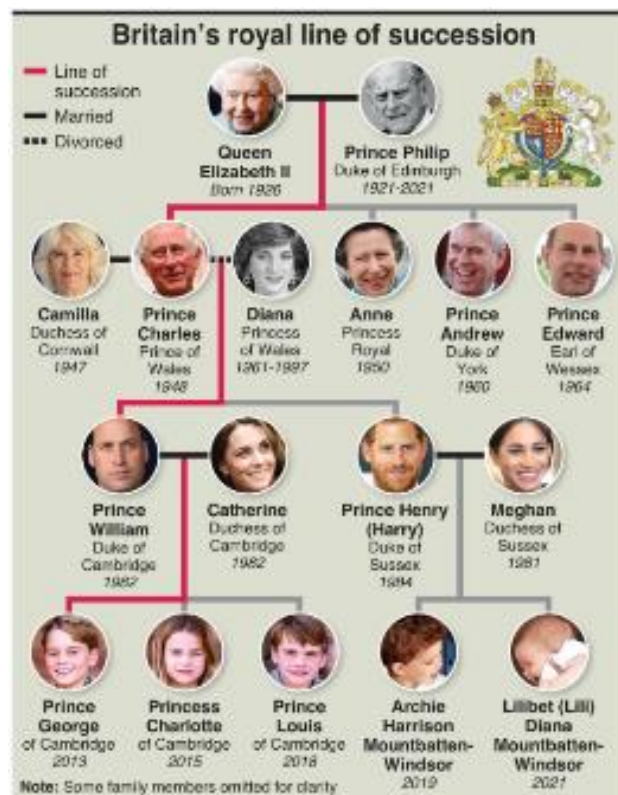


### IRENA Report



- ❖ International Renewable Energy Agency (IRENA) has released the “Bioenergy for the energy transition: ensuring sustainability and overcoming barriers report”.
- ❖ It aims to provide the status of sustainable bioenergy development.
- ❖ Bioenergy is a form of renewable energy generated when we burn biomass fuel.
- ❖ Bioenergy currently accounts for two-thirds of all renewable energy consumption worldwide.
- ❖ Bioenergy can incur negative environmental, social and economic impacts such as biodiversity loss, food insecurity and deforestation.

## Operation London Bridge



- ❖ Queen Elizabeth II, the longest-reigning monarch of Britain, died on September 8.
- ❖ The protocol, including planned ceremonial and political events and the succession of the throne, is known as Operation London Bridge.
- ❖ But there were special provisions if the monarch died when she was in Scotland, called Operation Unicorn.
- ❖ The term Operation Unicorn was first used in the Edinburgh parliament's online papers in 2017.

## Throne of the United Kingdom

- ❖ King Charles III ascends to the throne of the United Kingdom, following the passing of Queen Elizabeth II.
- ❖ At the age of 73, Charles is expected to be the oldest British monarch to be crowned.
- ❖ He has endured the longest wait to ascend the throne in British history.
- ❖ In addition to the United Kingdom, Charles also serves as the head of state for 14 other countries, including Australia, Canada, Jamaica, New Zealand, and Papua New Guinea.
- ❖ Prince William, Charles's oldest child, is now first in line for the throne.
- ❖ He receives the titles Prince of Wales, Duke of Cornwall, and Duke of Cambridge.



## Crop and Food Security Assessment Mission report

- ❖ Food and Agriculture Organization (FAO) and the World Food Programme (WFP) have jointly published this report.
- ❖ In August 2022, the year-on-year food inflation rate was about 94 per cent.
- ❖ Production of paddy rice, the main staple food, is estimated to be 3 million mt in 2022.
- ❖ It is the lowest since the 2017 drought-affected harvest.



- ❖ Around 6.3 million people in Sri Lanka are experiencing moderate to severe acute food insecurity.
- ❖ The production of maize (used as animal feed) is some 40 per cent below the past 5-year average.



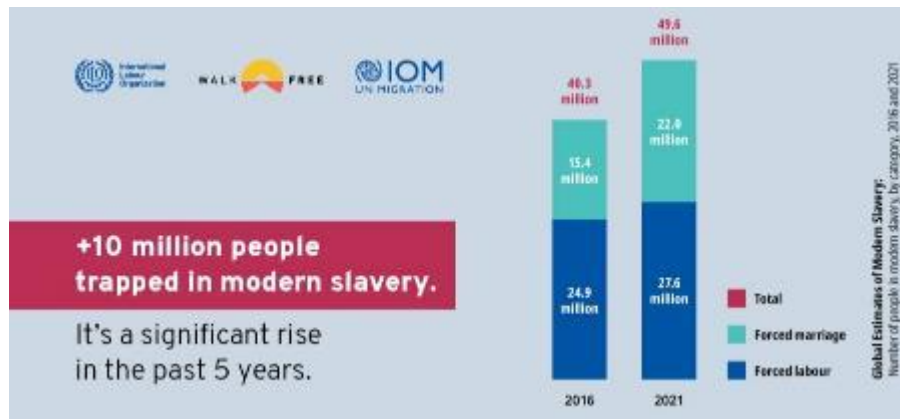
### **SPECIAL REPORT**

FAO/WFP CROP AND FOOD SECURITY  
ASSESSMENT MISSION (CFSAM) TO THE  
DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

September 2022

### **“Global Estimates of Modern Slavery” report**

- ❖ The 2021 Global Estimates for Modern Slavery, was recently released by the International Labour Organization.
- ❖ In 2021, 50 million people were living in modern slavery.
- ❖ Of which 28 million were in forced labour and 22 million were trapped in forced marriage.
- ❖ 52 per cent of all forced labour are found in upper-middle or high-income countries.
- ❖ 86 per cent of forced labour are found in private sector.
- ❖ Forced labour in sectors other than commercial sexual exploitation accounts for 63 per cent of all forced labour.
- ❖ An addition of 6.6 million people are victims of forced marriage in 2021 when compared to 2016 global estimates.
- ❖ Migrant workers are more than three times likely to be in forced labour than non-migrant adult workers.



## JIMEX 2022

- ❖ The sixth edition of Japan-India Maritime Exercise 2022 (JIMEX 22), hosted by the Indian Navy, began in the Bay of Bengal.
- ❖ JIMEX 22 involves two phases – exercises at sea and a harbour phase at Visakhapatnam.
- ❖ This edition marks the 10th anniversary of JIMEX.
- ❖ This Maritime Exercise began in Japan in 2012.
- ❖ It also coincides with the 70th anniversary of diplomatic relations between India and Japan.



## Exercise Kakadu – 2022

- ❖ It is a multinational exercise hosted by the Australian Navy in Darwin – the capital of Australia's Northern Territory.
- ❖ The Indian Navy is being represented by INS Satpura and P8 I Maritime Patrol Aircraft.

- ❖ The theme of this international exercise is ‘partnership, leadership and friendship’.
- ❖ The inaugural edition of the Exercise Kakadu was held in 1993.



## 22nd Summit of SCO Council of Heads of State

- ❖ 22nd Summit of SCO Council of Heads of State was held in Samarkand.
- ❖ The SCO held its first in-person summit in Samarkand in Uzbekistan after two years.
- ❖ Uzbekistan handed over the rotating presidency of the eight-member SCO to India.
- ❖ India will host next SCO summit as a chairman of Organisation in 2023.
- ❖ The city of Varanasi has been named the first-ever SCO Tourist and Cultural Capital for the period 2022-2023 in the summit.
- ❖ It will promote tourism, cultural and humanitarian exchanges between India and the SCO member Countries.



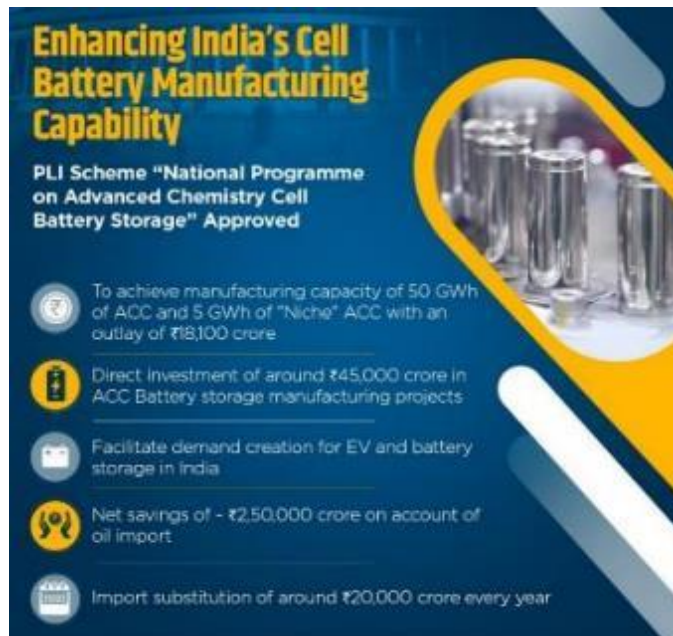
### Green Fins Hub

- ❖ UNEP and the UK-based charity Reef-World Foundation have launched the Green Fins Hub to boost sustainable marine tourism.
- ❖ It is first-ever global marine tourism industry platform.
- ❖ It would help diving and snorkelling operators across the world to make simple, cost-efficient changes in their daily practices by implementing international best practices that promotes sustainability of marine tourism.
- ❖ It was developed by The Reef-World Foundation in collaboration with the UNEP.

### Indo-Pacific Trilateral Development Cooperation Fund

- ❖ India and France have agreed to work towards the establishment of Indo-Pacific trilateral development cooperation.
- ❖ It would facilitate development projects, especially in the framework of the International Solar Alliance.
- ❖ It also provides a platform for Indian innovations and startups to demonstrate their relevance to the requirements of other societies.
- ❖ International Solar Alliance now has formed projects in three countries which shows the impact that India and France make together in Bhutan, Papua New Guinea and Senegal.

### National Programme on ACC Energy storage



**Enhancing India's Cell Battery Manufacturing Capability**

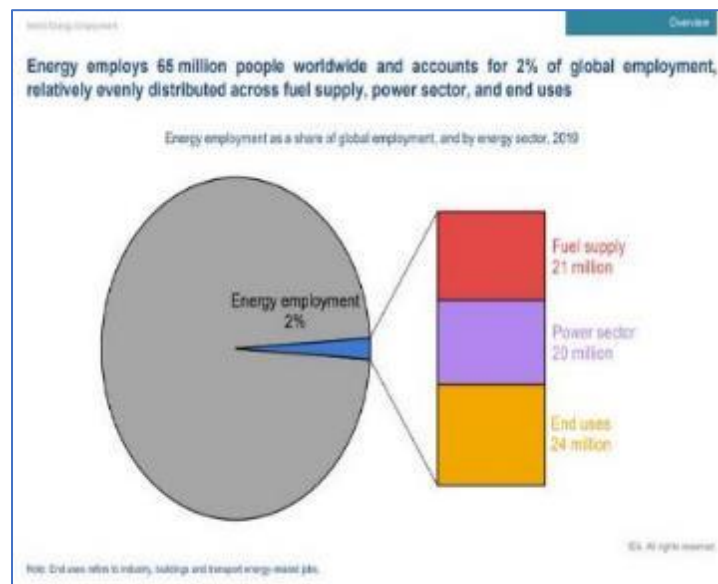
**PLI Scheme "National Programme on Advanced Chemistry Cell Battery Storage" Approved**

- ❖ To achieve manufacturing capacity of 50 GWh of ACC and 5 GWh of "Niche" ACC with an outlay of ₹18,100 crore
- ❖ Direct Investment of around ₹45,000 crore in ACC Battery storage manufacturing projects
- ❖ Facilitate demand creation for EV and battery storage in India
- ❖ Net savings of - ₹2,50,000 crore on account of oil import
- ❖ Import substitution of around ₹20,000 crore every year



- ❖ NITI Aayog presented a report on the current status and future trends in the ACC battery sector.
- ❖ The report emphasises the potential role of the Production Linked Incentive (PLI) scheme on ACC energy storage in creating domestic economic value.
- ❖ The policies and incentives recommended in this report could pave the way for top-level battery manufacturers to invest in India.
- ❖ Ministry of Heavy Industries & Public Enterprises is the nodal ministry for National Programme on Advanced Chemistry Cell (ACC) Energy storage.
- ❖ The manufacturing of ACCs will facilitate production and use of Electric Vehicles.

## World Energy Employment Report



- ❖ The International Energy Agency (IEA) released the World Energy Employment Report.
- ❖ The inaugural edition of the World Energy Employment Report is the first comprehensive inventory of the global energy workforce.
- ❖ In 2019, the energy sector and other related fields saw the employment of 65 million people.
- ❖ It accounted for two per cent of formal employment worldwide.
- ❖ The sector directly employed 41 million and another 24 million worked in energy's end-user sectors such as vehicle manufacturing.
- ❖ The number of people employed by the entire energy sector went up by 1.3 million in 2021.
- ❖ It might potentially increase by 6 per cent this year in 2022.



- ❖ In 2019, 50 per cent of the energy workforce was employed in developing clean energy technologies.
- ❖ Among fossil fuels, Oil supply had the largest workforce with 8 million workers in 2019.
- ❖ It has fallen to 7.1 million people in 2021 and is only expected to slightly increase in 2022.
- ❖ The energy investment is expected to increase by eight per cent in 2022, touching \$2.4 trillion.

### **First trilateral ministerial meeting**

- ❖ India, the UAE and France have held their first trilateral ministerial meeting.
- ❖ They discussed a new and more contemporary way of doing diplomacy with a focus on “active exchange” of ideas between strategic partners and UNSC members.



### **77th session of UNGA**

- ❖ The 77th session of the United Nations General Assembly (UNGA77) convened on September 13.
- ❖ The theme of the UNGA 77 is “A watershed moment: transformative solutions to interlocking challenges”.
- ❖ Brazil will be the first UN member state to speak at the annual general debate.
- ❖ It has remained the first speaker for nearly 7 decades since the 10th UNGA in 1955.
- ❖ The US, which will host the event, will be the second member state to speak.



### East Asia Summit Economic Ministers' Meeting

- ❖ Minister of Commerce and Industry, Anupriya Patel, attended East Asia Summit Economic Ministers' Meeting in Siem Reap City of Cambodia.
- ❖ The meeting saw representation from all 10 ASEAN countries as well as eight partner countries including Australia, China, India, Japan, New Zealand, South Korea, Russia and the US.
- ❖ The East Asia Summit (EAS) is the Indo-Pacific's premier forum for strategic dialogue.

### Indo-Pacific Armies Management Seminar






- ❖ The largest land forces conference in the Indo-Pacific region was by Prime Minister Sheikh Hasina of Bangladesh.
- ❖ The Army leaders from the 24 nations belonging to the Indo-Pacific region gathered in Dhaka for the Indo-Pacific Armies Management Seminar (IPAMS).
- ❖ The 47th iteration of IPAMS will take place in India, where it will share the stage with the bi-annual Indo-Pacific Army Chiefs Conference.

### Global Clean Energy Action Forum

- ❖ Union Science and Technology Minister Jitendra Singh lead an Indian delegation at Global Clean Energy Action Forum at Pittsburgh in the US.
- ❖ Ministers from over 30 countries will participate in the event to discuss ways to accelerate clean energy innovation and deployment.

### Major non-NATO ally

#### Named by George H. W. Bush

-  Australia (1989)
-  Egypt (1989)
-  Israel (1989)
-  Japan (1989)
-  South Korea (1989)

#### Named by George W. Bush

-  Bahrain (2002)
-  Philippines (2003)
-  Taiwan (de facto) (2003)
-  Thailand (2003)
-  Kuwait (2004)
-  Morocco (2004)
-  Pakistan (2004)

#### Named by Bill Clinton

-  Jordan (1996)
-  New Zealand (1997)
-  Argentina (1998)

#### Named by Barack Obama

-  Afghanistan (2012)
-  Tunisia (2015)

- ❖ US President Joe Biden has terminated the designation of Afghanistan as a major non-NATO ally.
- ❖ Taliban captured power in Kabul more than a year before.
- ❖ In 2012, the United States named Afghanistan a major non-NATO (MNNA) ally.
- ❖ It cleared the way for the two countries to maintain a defence and economic relationship.
- ❖ The designation gave several facilities and concessions to Afghanistan in terms of defence and security-related assistance and equipment.
- ❖ The MNNA status was first created in 1987.
- ❖ With Afghanistan's status withdrawn, the US will have 18 major non-NATO allies.

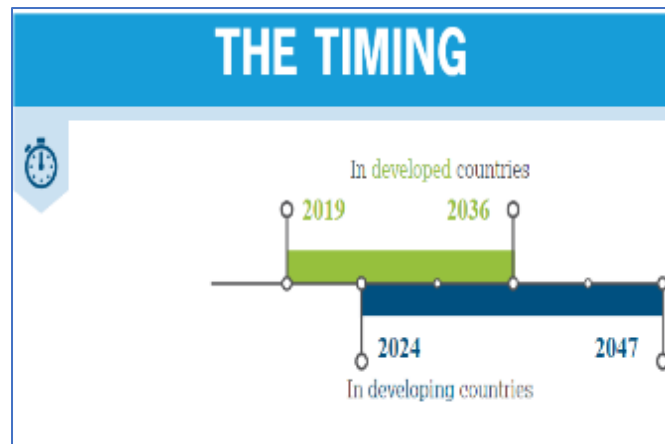
### **Clash at Lachin corridor**

- ❖ Armenian and Azerbaijani soldiers have been killed during the recent clashes at the border.
- ❖ The two former soviet republics have been engaged in long-running conflicts over the disputed territory of Nagorno-Karabakh region.
- ❖ The disputed territory has been internationally recognized as part of Azerbaijan.
- ❖ But is currently under the control of Armenian separatists.
- ❖ The Lachin Corridor is part of the Lachin District of Azerbaijan.
- ❖ But it was under the control of the Russian peacekeeping force as per the 2020 Nagorno-Karabakh armistice agreement.
- ❖ The Lachin District returned under the control of Azerbaijan on August 26, 2022.
- ❖ The recent clash is the deadlines to break out between Armenia and Azerbaijan since the 2020 clashes.
- ❖ A peace deal brokered by Russia ended the 2020 war between the neighbours.
- ❖ It also resulted in Armenia withdrawing its troops from some of the occupied territories within Azerbaijan.



## Kigali Amendment

- ❖ The US Senate approved an international climate treaty for the first time in 30 years.
- ❖ This pact deals to phase out of the use of planet-warming industrial chemicals commonly found in refrigerators and air-conditioners.
- ❖ The Kigali agreement is a 2016 amendment to the Montreal Protocol, a landmark treaty to protect Earth's ozone layer.
- ❖ Now, the United States joined the 2016 Kigali Amendment, along with 137 other nations that have agreed to sharply reduce the production and use of hydrofluorocarbons, or HFCs.
- ❖ The chemicals are potent greenhouse gases, warming the planet with 1,000 times the heat-trapping strength of carbon dioxide.
- ❖ If the Kigali pact is successfully implemented, scientists estimate it would prevent up to 0.5 degrees Celsius, or roughly 1 degree Fahrenheit, of warming by the end of this century.



## HADR Partnership Guidelines

- ❖ The QUAD countries have signed the Humanitarian Assistance and Disaster Relief (HADR) partnership guidelines recently.
- ❖ It ensures expansion of scope of the QUAD alliance.
- ❖ These guidelines trace their origins to the 2004 ad hoc Tsunami Core Group,
- ❖ They sought to strengthen international response during the aftermath of the 2004 tsunami.
- ❖ These guidelines aim to respond to disasters occurring in the Indo-Pacific region.

## ECONOMY

### Forex Reserve of India

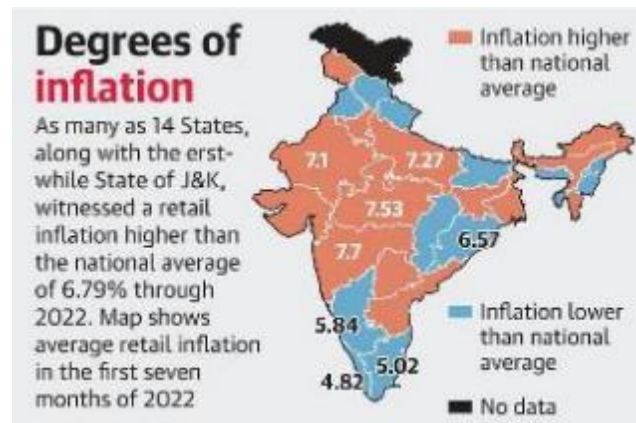
- ❖ India's foreign exchange reserves fell by \$6.69 billion to \$564 billion for the week ended August 19.
- ❖ According to data released by the RBI, the fall was mainly due to a decline in foreign currency assets, by \$5.8 billion, followed by gold reserves by \$704 million.
- ❖ The reserves are at its lowest level since October 2020.
- ❖ Foreign exchange reserves hit an all-time high for the week ended September 3, 2021 when it hit \$642 billion.
- ❖ It was equivalent to covering more than 14 months of imports projected for 2021-22.
- ❖ The current level of reserves can cover about 9 months of imports projected for 2022-23.
- ❖ India's forex reserves are the fourth largest globally after China, Swiss and Japan.



### Inflation Chart

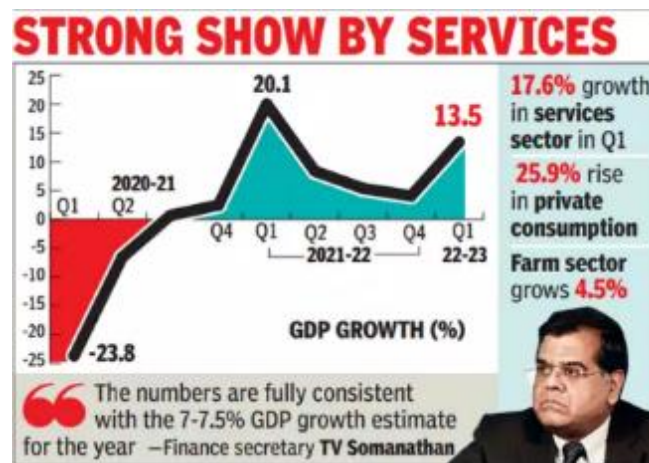
- ❖ Telangana, together with West Bengal (8.06%) and Sikkim (8.01%), report charges nicely above the nation's 6.8%.
- ❖ Retail costs in States like Kerala (4.8%), Tamil Nadu (5.01%), Punjab (5.35%), Delhi (5.56%), and Karnataka (5.84%) have been rising at lower than 6%.
- ❖ Smaller States like Manipur, Goa and Meghalaya have had a median inflation of lower than 4%, at 1.07%, 3.66%, and 3.84%, respectively.





### India's Q1 GDP – 2022/2023

- ❖ The National Statistical Office (NSO), Ministry of Statistics and Program Implementation released the estimates of Gross Domestic Product (GDP).
- ❖ India's Q1 GDP is marking an upward trajectory and growing at 13.5%
- ❖ Indian Economy continued its recovery from the post-pandemic impact.
- ❖ However, the GDP growth figure is significantly lower in comparison to the Reserve Bank of India's projection of 16.2% GDP growth in Q1 FY23.

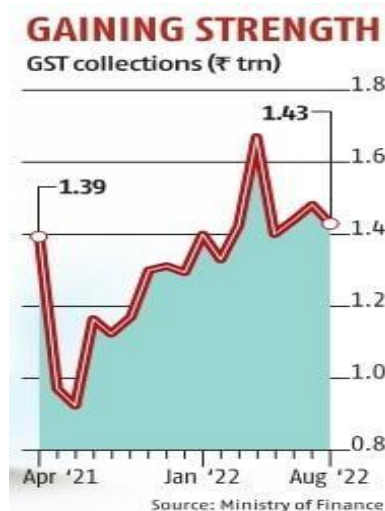


- ❖ The Gross Domestic Product figure for the April-May-June Quarter was a significant improvement over the previous quarter i.e., Jan-Feb-March 2022.
- ❖ In which India's GDP grew only by 4.1%.
- ❖ In the same quarter last year - April-May-June 2021 the country had witnessed GDP growth of 20.1 percent.
- ❖ However, the figure was magnified due to the economic contraction in the pandemic year.
- ❖ In this Quarter, Private consumption witnessed a growth of nearly 26 percent.

- ❖ NSO as an agency that was formed on the recommendation of the Rangarajan Commission.
- ❖ NSO was formed after merging the National Sample Survey Office (NSSO) and Central Statistics Office (CSO) under the Ministry of Statistics and Programme Implementation (MoSPI).

### **GST collection in August**

- ❖ The GST collection remained above the Rs 1.4 trillion mark for the sixth straight month in August.
- ❖ The gross GST revenue collected in August 2022 is Rs 1.43 trillion.
- ❖ In which, CGST is Rs 24,710 crore, SGST is Rs 30,951 crore, IGST is Rs 77,782 crore (including Rs 42,067 crore collected on import of goods) and cess is Rs 10,168 crore (including Rs 1,018 crore collected on import of goods).
- ❖ The GST collection was at a record high of Rs 1.67 trillion in April of 2022.

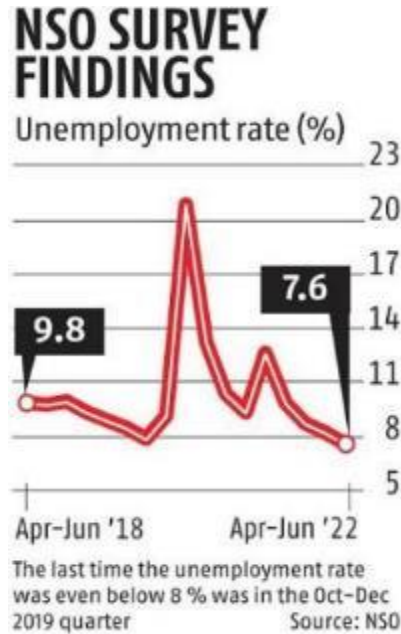


### **Top 10 valued Indian Companies**

- ❖ Life Insurance Company (LIC) is out of the top 10 companies by market capitalization.
- ❖ It has been replaced by Bajaj Finance and Adani Transmission.
- ❖ LIC has dropped to 11th position in the list, Bajaj Finance at 10th, and Adani Transmission at 9th position.
- ❖ Reliance Industries Limited (RIL) is on the top of the list of valued Indian Companies with a market capitalization of ₹17.8 lakh crore.
- ❖ It is followed by Tata Consultancy Services (TCS), HDFC Bank, Infosys, Hindustan Unilever (HUL), ICICI Bank and State Bank of India (SBI).

## 15th Periodic Labor Force Survey

- ❖ It was released by the National Statistical Office (NSO) of the Ministry of Statistics and Programme Implementation (MOSPI).
- ❖ The unemployment rate for persons aged 15 years and above in January-March 2022 was 8.2% in urban areas.
- ❖ This is the lowest unemployment rate recorded in the last 4 years.
- ❖ The NSO launched the Periodic Labour Force Survey (PLFS) in April 2017.
- ❖ Joblessness or unemployment rate is defined as the percentage of unemployed persons among the labour force.
- ❖ It aims to estimate the key employment and unemployment indicators (viz. Worker Population Ratio, Labour Force Participation Rate, Unemployment Rate) in the short time interval of three months for the urban areas only in the Current Weekly Status.
- ❖ It aims to estimate employment and unemployment indicators in both usual Status and Current Weekly Status in both rural and urban areas annually.
- ❖ Under CWS, a person is considered unemployed if he/she did not work even for one hour on any day during the week but sought or was available for work at least for one hour on any day during the period.

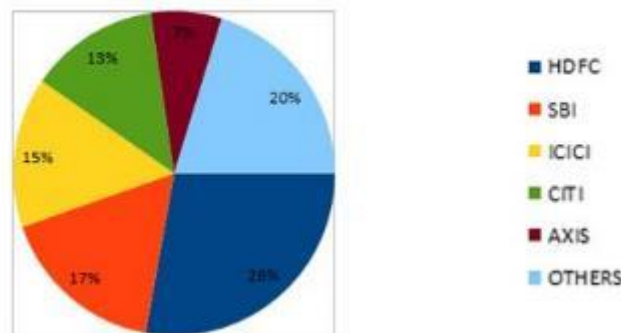


## Card Market in India

- ❖ State Bank of India (SBI), the largest bank in the nation, maintained its leadership position in the debit card market as of June 2022.

- ❖ Bank of Baroda came in second, followed by Bank of India, Canara Bank Union Bank, and Punjab National Bank.
- ❖ HDFC Bank in the credit card market leads the list.
- ❖ It is followed by State Bank of India, ICICI Bank, Axis Bank, RBL Bank, and Kotak Mahindra Bank.
- ❖ State Bank of India and HDFC Bank has the record breaking in terms of Credit Card Spending.
- ❖ According to data compiled by PGA Labs, public sector banks hold a larger percentage of the debit card market than private banks.
- ❖ Whereas it is reverse in the Credit card market.

**Market Share of Banks in Credit Cards**



### **India's Air traffic**

- ❖ Aircraft maker Boeing expects India's air traffic to annually grow by nearly 7 per cent through 2040.
- ❖ The growth for the South East Asia market is pegged at 5.5 per cent, China (5.4 per cent), Africa (5.4 per cent) and Latin America (4.8 per cent).
- ❖ India is one of the fastest growing markets.
- ❖ Currently, two scheduled Indian carriers—SpiceJet and Air India Express—are using Boeing freighters.

### **World's 5th largest economy**

- ❖ According to Bloomberg Report, India outpaced England to become 5th largest economy.
- ❖ The calculation is based on US dollars (current prices).
- ❖ The size of Indian economy in "normal" cash terms in the quarter through March was USD 845.7 billion.

- ❖ India is now behind the US, China, Japan and Germany in terms of economy.
- ❖ A decade ago, India was ranked 11th among the world's largest economies.



### **All-India House Price Index**

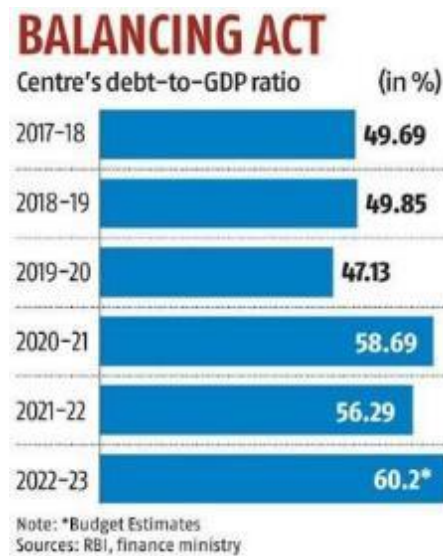
- ❖ It is increased by 3.5% year over year, during the first quarter of 2022–2023.
- ❖ It is released by the Reserve Bank of India.
- ❖ Ahmedabad, Bengaluru, Chennai, Delhi, Jaipur, Kanpur, Kochi, Kolkata, Lucknow and Mumbai are the cities to look for providing transaction-level data that the central bank used to calculate.

### **India's external debt - March 2022**

- ❖ According to the finance ministry, India's external debt increased by 8.2 percent year on year to USD 620.7 billion.
- ❖ 53.2 percent of it was denominated in US dollars.
- ❖ Indian rupee-denominated debt, estimated at 31.2 percent, was the second largest.
- ❖ External debt as a ratio to GDP was 19.9 per cent, while reserves to external debt ratio were 97.8 per cent.
- ❖ The long-term debt is totalled USD 499.1 billion, accounting for 80.4% of the total.
- ❖ While short-term debt is totalled USD 121.7 billion, accounting for 19.6% of the total.
- ❖ The sovereign debt increased by 17.1% year on year to USD 130.7 billion, owing primarily to the International Monetary Fund's (IMF) additional allocation of Special Drawing Rights (SDR) during 2021-22.
- ❖ Non-sovereign debt is increased by 6.1% to USD 490.0 billion as of end-March 2021.



- ❖ Commercial borrowings, NRI deposits, and short-term trade credit is accounting for up to 95.2 percent of the total.
- ❖ While NRI deposits fell by 2% to USD 139.0 billion, commercial borrowings at USD 209.71 billion and short-term trade credit at USD 117.4 billion increased by 5.7% and 20.5%, respectively.
- ❖ The debt service ratio fell significantly to 5.2 percent during 2021-22 from 8.2 percent the previous year, reflecting buoyant current receipts and moderating external debt service payments.



### India bans broken rice export

- ❖ India has banned the export of broken rice.
- ❖ India imposed a 20 per cent duty on exports of various grades of rice, except basmati.
- ❖ India is the world's largest exporter of rice.

### Kirit Parikh Committee

- ❖ The Central Government has recently constituted a committee under the chairmanship of Kirit Parikh.
- ❖ It aims to control and reduce the continuous increase in LPG gas prices.
- ❖ A representative each from private companies involved in city gas distribution, public gas company GAIL India Limited, Indian Oil Corporation and the Ministry of Fertilizers has been included in this committee.
- ❖ This committee will decide the formula for better pricing for domestic gas production.

- ❖ This committee will also review the formula for fixing the price of gas produced by companies like ONGC and Reliance.



### **300 branches in unbanked areas**

- ❖ Public sector banks will open about 300 brick-and-mortar branches in the unbanked areas of various states by December 2022.
- ❖ These new branches will cover all remaining unbanked villages with a population of more than 3,000.
- ❖ A Maximum number of 95 branches will be opened in Rajasthan followed by 54 in Madhya Pradesh.
- ❖ The public sector banks will open 38 branches in Gujarat, 33 in Maharashtra, 32 in Jharkhand and 31 in Uttar Pradesh.

### **Bank on Wheel**

- ❖ HDFC Bank has unveiled its state-of-the-art 'Bank on Wheel' van in Gujarat.
- ❖ The Bank in Wheel van service will take banking services to unbanked villages.
- ❖ The Bank in Wheel van will visit remote villages located 10-25 km from the nearest branch.

### **Coal production target**

- ❖ The Ministry of Coal is in the process of enhancing coal production to ambitious target of 1.23 billion Tonne (BT) by FY 2024-25.
- ❖ It aims to ensure energy security of the country.
- ❖ In order to support the vision, Coal India Ltd (CIL) has adopted an integrated planning approach by strengthening evacuation infrastructure for one billion tonne production and seamless transportation of coal to the end users.



### **India's first electronic bank guarantee**

- ❖ The HDFC Bank, became the first bank in the country to issue an Electronic Bank Guarantee (e-BG).
- ❖ e-BG was launched in collaboration with the National E-Governance Services Limited (NeSL).
- ❖ It removes the need for the paper-based time-consuming process.
- ❖ This often takes 3 to 5 days for complete due to the need for physical pick up from the bank, delivery of courier to the beneficiary, stamping and reverification.

### **Maximum Industrial Investment in 2022**

- ❖ Andhra Pradesh has ranked one on the list of states in attracting industrial investments in the first seven months of 2022.
- ❖ Andhra Pradesh has generated an investment of Rs 40,361 crore.
- ❖ Karnataka generated an investment of Rs 3712 crore.
- ❖ Gujarat generated an investment of Rs 2969 crore.
- ❖ Odisha generated an investment of Rs 1493 crore.

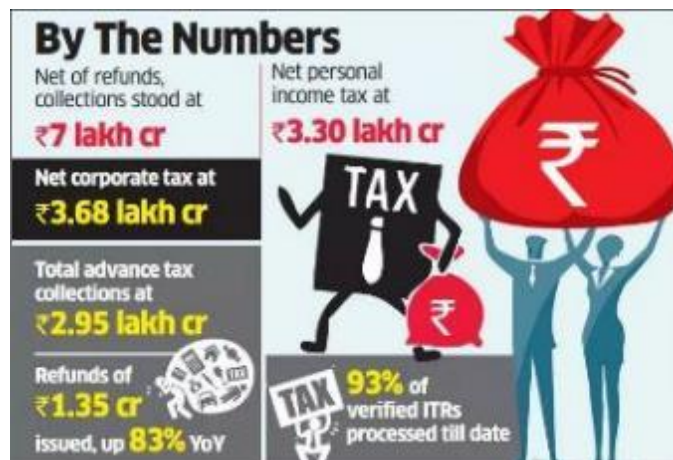
### **National Logistics Policy 2022**

- ❖ The Government has launched a National Logistics Policy (NLP) 2022.
- ❖ It aims to achieve 'quick last-mile delivery', end transport-related challenges.
- ❖ The term "logistics" describes the total process of controlling the acquisition, storage, and delivery of resources to their intended location.
- ❖ The policy focuses on key areas such as process re-engineering, digitisation, and multi-modal transport.
- ❖ Logistics costs have to be cut by half to be near global benchmarks by 2030 by reducing the cost of logistics from 14-18% of GDP.
- ❖ The global best practices are 8% of GDP.
- ❖ Countries like the US, South Korea, Singapore, and certain European nations have such a low logistics cost-to-GDP ratio.
- ❖ The current cost is 16% of GDP.
- ❖ India aims to be among the top 10 in the LPI (Logistics Performance Index) by 2030.
- ❖ In 2018, India was ranked 44th in the LPI.



### Gross Direct Tax Collection

- ❖ The Central Board of Direct Taxes (CBDT) in a statement said that the net direct tax collections so far, this financial year are at ₹700,669 crore.
- ❖ This is an increase of 23% as compared to the same period of the corresponding financial year.
- ❖ The gross collection of direct taxes (before adjusting for refunds) so far stands at ₹836,225 crore, as compared to ₹642,287 crore in the corresponding period of the preceding financial year, registering a growth of 30%.



### Second-biggest oil supplier to India

- ❖ Saudi Arabia emerged as the second-biggest oil supplier to India.
- ❖ It is overtaking Russia by a thin margin, while Iraq retained the top spot.

- ❖ The United Arab Emirates stayed at No. 4.
- ❖ Kazakhstan replaced Kuwait to become fifth-largest oil supplier to India.
- ❖ It is followed by the United States.
- ❖ India is the world's third biggest oil importer and consumer.

### **12<sup>th</sup> Maharatna Company**

- ❖ REC (Rural Electrification Corporation) Ltd. has been accorded the status of a 'Maharatna' Central Public Sector Enterprise.
- ❖ This Providing it with greater operational and financial autonomy.
- ❖ The granting of 'Maharatna' status will impart enhanced powers to the company's board while taking financial decisions.
- ❖ REC Ltd. is the 12th company to be given the Maharatna Status.
- ❖ Requirements:
  - CPSE which recorded more than Rs. 5,000 crores of net profit for three consecutive years.
  - An average annual turnover of Rs.25,000 crore for three years and
  - Recording an average net worth of Rs.15,000 crore for three years.

### **First plant-based Meat**



- ❖ Greenest, which is a leading plant protein food brand, has shipped India's first plant-based meat export consignment to the USA from Gujarat in India.
- ❖ The plant-based consignment is 5000 kg and consists of mini samosas, hot and spicy strips and other vegan products.
- ❖ Greenest is India's pioneer in plant-based protein products.



## SCIENCE AND TECHNOLOGY

### Tejas 2.0

- ❖ The PM led Cabinet Committee on Security (CCS) approved Tejas Mark-2 Project.
- ❖ Tejas 2.0 will be a more capable version of the indigenous Tejas light combat aircraft (LCA).
- ❖ The new jet will also be equipped with an indigenously developed Active Electronically Scanned Array (AESA) radar.
- ❖ Tejas Mark-2 is expected to replace fighters like the Mirage-2000s, Jaguars and MiG-29s in the Indian Air Force's combat fleet.
- ❖ The existing Tejas Mark-1 fitted with GE-404 engines was designed to replace obsolete MiG-21s.
- ❖ Tejas Mark-1 was primarily developed to boost IAF's air defence capabilities.
- ❖ But the Mark-2 version will be capable of being used in offensive operations as well.



### HIP 65426

- ❖ James Webb Telescope has captured the first image of an Exoplanet HIP 65426.
- ❖ It is a planet-like body lying outside the realm of our Solar System.
- ❖ It is 12 times larger than Jupiter.
- ❖ It is younger as compared to Earth but is large in terms of size.
- ❖ It is the largest planet in the Milky Way.

- ❖ It is believed to be a gas giant with no rocky surface, which makes it inhabitable.
- ❖ James Webb Telescope is the world's most powerful telescope.



### **First Made in India Ammunition**

- ❖ Indian Navy has received the first batch of Made in India ammunition for AK-630 guns, which is fitted on warships.
- ❖ It has been done in 12 months, and all components are indigenous.
- ❖ The Navy said that it was the first time that the naval services had placed an order on the Indian private industry to deliver complete gun ammunition.
- ❖ It was carried out by an Indian Firm Economic Explosives Limited (EEL of Nagpur, Maharashtra), a subsidiary of Solar Industries India Limited.



### **Night Sky Sanctuary**

- ❖ India is to set its first night sky sanctuary at Hanle.
- ❖ A tripartite MoU was signed recently among the UT administration, Ladakh Autonomous Hill Development Council (LAHDC) Leh and the Indian Institute of Astrophysics (IIA) for launching the Dark Space Reserve.
- ❖ It is a part of Changthang Wildlife Sanctuary.

- ❖ Hanle is best suited for the project as it is located in Ladakh's cold desert region
- ❖ It is away from any form of human disturbance.
- ❖ And clear sky conditions and dry weather conditions exist throughout the year.
- ❖ It will boost Astro-tourism in India.
- ❖ It will be one of the world's highest-located sites for optical, infra-red, and gamma-ray telescopes.
- ❖ Hanle is already home to an IIA observatory - a high altitude station atop Mt Saraswati.



### **Inflatable Aerodynamic Decelerator**

- ❖ The Indian Space Research Organisation (ISRO) has successfully tested the Inflatable Aerodynamic Decelerator technology on a Rohini-300 (RH300 Mk II) sounding rocket from the Thumba Equatorial Rocket Launching Station, Thiruvananthapuram.
- ❖ It is a technique used for an atmospheric entry payload.
- ❖ It was designed and developed by ISRO's Vikram Sarabhai Space Centre (VSSC).
- ❖ The IAD serves to decelerate an object plunging down through the atmosphere.
- ❖ It systematically reduced the velocity of the payload through aerodynamic drag.



### Smartboxer

- ❖ IIT Madras researchers and Inspire Institute of Sports in Karnataka have joined forces to create the analytics platform “Smartboxer.”
- ❖ To boost India’s boxing medal total at the 2024 Olympics, advanced boxing analytics software is being created.

### India’s 1<sup>st</sup> needle-free intranasal COVID-19 vaccine

- ❖ Bharat Biotech has received emergency use authorization for India’s 1st needle-free intranasal COVID-19 vaccine.
- ❖ It has been named ChAd36-SARS-CoV-S COVID-19 (Chimpanzee Adenovirus Vectored) recombinant nasal vaccine.
- ❖ As of now, the Drug Controller General of India has approved the intranasal vaccine for restricted emergency use in those aged above 18 years.
- ❖ The Serum Institute’s COVISHIELD and Bharat Biotech’s COVAXIN were intravenous in nature.

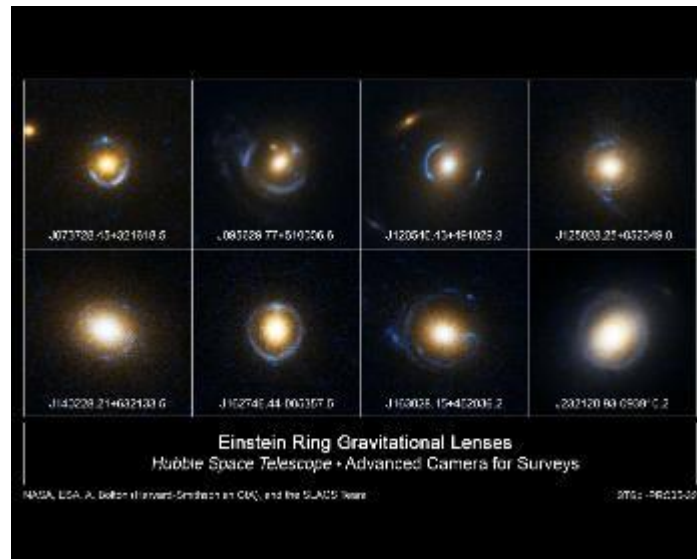
### Qimingxing-50



- ❖ Also named Morning Star-50, it is China’s first fully solar-powered unmanned aerial vehicle.
- ❖ It has successfully completed its maiden test flight with all onboard systems functioning optimally.
- ❖ This drone flies above 20-km altitude where there is stable airflow with no clouds.
- ❖ This helps these drones to make maximum use of solar equipment to stay functional for extended durations.
- ❖ Drone can operate in near-space – 20 km to 100 km above the Earth’s surface.
- ❖ It is making them capable of carrying out satellite-like functions.

## Einstein Ring

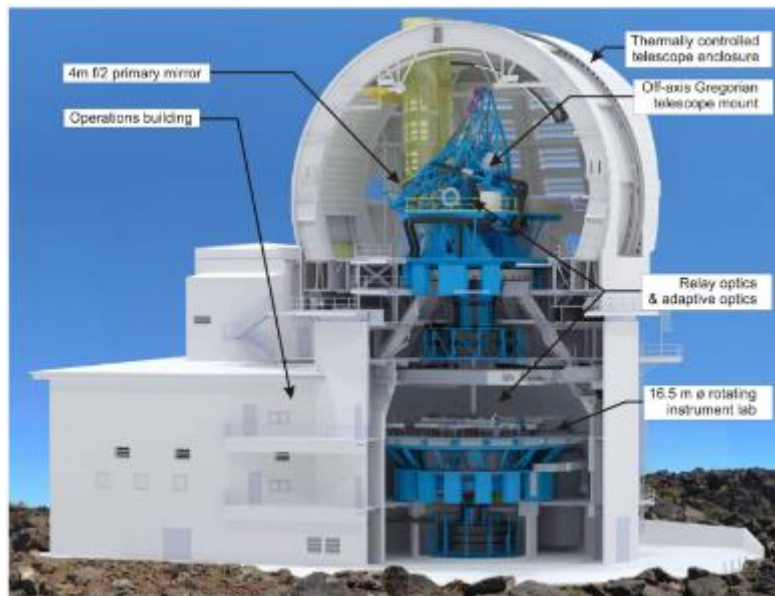
- ❖ The Mid-Infrared Instrument (MIRI) of the James Webb Space Telescope has captured an image of an almost perfect “Einstein ring”.
- ❖ The Einstein ring is also known as the Chwolson ring.
- ❖ Einstein Ring phenomenon was first discovered in 1988.
- ❖ It is a ring of light created when light from a galaxy, star or other light-emitting cosmic objects passes near a massive object before it reaches the Earth.
- ❖ When this happens, gravitational lensing causes the light to get diverted.
- ❖ And if the source, lens and the observing element are all in perfect alignment, this light appears as a ring.
- ❖ So, the ring itself not a real physical structure in space.
- ❖ But just a play of light and gravity, a result of the gravitational lensing effect.



## Inouye Solar Telescope

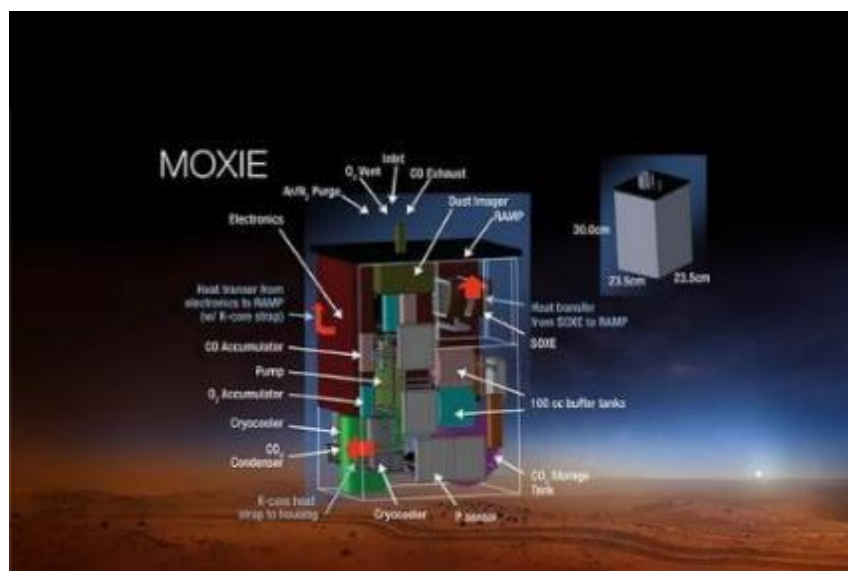
- ❖ The Inouye Solar Telescope has captured an image of the Sun’s chromosphere a resolution of 18 kilometres.
- ❖ It is located at the Haleakala Observatory on the Hawaiian island of Maui.
- ❖ The chromosphere is the second of the three main layers in the Sun’s atmosphere.
- ❖ It is located above the photosphere and below the solar transition region and corona.





### **NASA's Experiment MOXIE**

- ❖ An instrument the size of a lunchbox has been successfully generating breathable oxygen on Mars.
- ❖ Moxie stands for Mars oxygen in-situ resource utilisation experiment.
- ❖ It has been successfully making oxygen from the red planet's carbon dioxide-rich atmosphere.
- ❖ In each run, it reached its goal of producing 6g of oxygen per hour.
- ❖ It is similar to the rate of a modest tree on Earth.



## **Tarantula Nebula**

- ❖ James Webb telescope has shared an image of a tarantula nebula in space.
- ❖ It is nicknamed as Tarantula due to its long and dusky filaments.
- ❖ This region of space is characterized by its dusty filaments that resemble the legs of a hairy spider.
- ❖ It is located 161,000 light-years away.



## **Project 17A-Taragiri**

- ❖ Taragiri is the third stealth frigate of the Indian Navy's Project 17A.
- ❖ The coveted 'Project 17A' was cleared by the govt back in 2015.
- ❖ It involves the building of seven stealth frigates.
- ❖ It is also featuring BrahMos supersonic surface-to-surface missiles.
- ❖ Himgiri is the first of the three stealth frigates being built.
- ❖ The second ship of the 'Udaygiri' class under the project was launched on May.



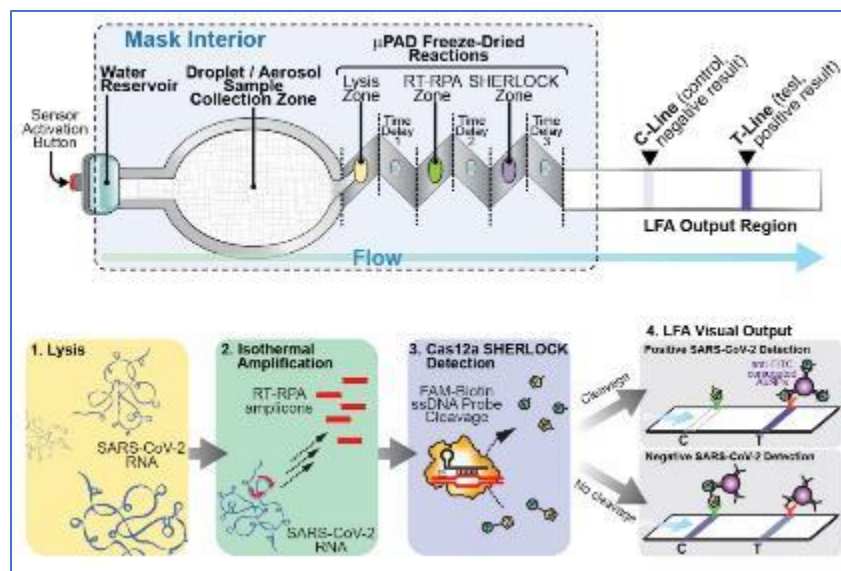
## First commercial satellite broadband service

- ❖ Hughes Communications India (HCI) in collaboration ISRO officially launched its first high throughput satellite (HTS) broadband internet service.
- ❖ It is using ISRO's Ku-band capacity of GSAT-11 and GSAT-29 satellites.
- ❖ It increases capacity when using the same amount of orbital spectrum as conventional satellite while simultaneously reducing the cost per bit.
- ❖ India's first commercial satellite broadband service.
- ❖ It provides much lower-cost bandwidth and a much higher user experience.
- ❖ It delivers high-speed satellite broadband services to remote locations across India, from northeast to desolate parts of Leh and Ladakh.

## Sova virus in India

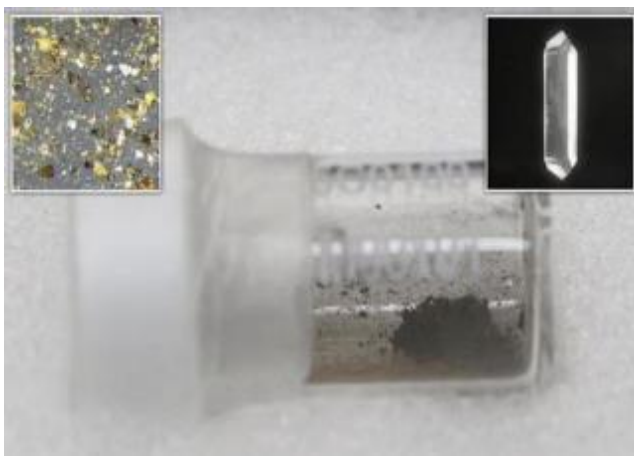
- ❖ CERT-In has given warning on SOVA virus.
- ❖ It is a novel mobile banking “Trojan” virus that is currently targeting Indian customers.
- ❖ It is capable of stealthily encrypting an android phone for ransom.
- ❖ This malware is distributed through smishing (phishing via SMS) attacks
- ❖ It is a major threat to privacy and security of sensitive customer data and can cause large-scale financial frauds and cyberattacks.

## Virus detecting mask



- ❖ Scientists have developed a face mask that can detect common respiratory viruses, such as influenza and Covid-19, in the air as droplets or aerosols.
- ❖ If specific viruses are present in the ambient air, the extremely sensitive mask may inform wearers via their mobile devices within 10 minutes.
- ❖ The sensor responded to as little as 0.3 microliters of liquid containing viral proteins, about 70 to 560 times less than the volume of liquid produced in one sneeze.

### **New type of mineral on Moon**



- ❖ A new type of crystal was discovered by researchers in China from the near side of the Moon.
- ❖ The newly discovered crystal was named Changesite-(Y) after the Chinese moon goddess Chang'e.
- ❖ This small and transparent crystal was found among the volcanic debris of the near side of the moon.
- ❖ It is more than a billion years old and its width is almost comparable to human hair.
- ❖ It has a unique composition and is related to other minerals found only found on the lunar surface or in meteors.
- ❖ The crystal was found among the 1.8 km of lunar rocks brought back by Chang'e-5 mission in 2020.
- ❖ These samples are the first to be delivered to the Earth from Moon since 1976 and the first ever lunar samples collected by China.
- ❖ The Changesite-(Y) crystal is the sixth new mineral to be discovered on the Moon and the first identified by China.
- ❖ The previous 5 discoveries were made by either the United States or Russia.



### First lunar rover of UAE

- ❖ United Arab Emirates will launch its first lunar rover named Rashid from Kennedy Space Centre in Florida in November 2022.
- ❖ The rover would reach the Lunar surface aboard the Hakuto-R lander of Japan's ispace sometime in March next year.
- ❖ If this lunar mission is successful, the UAE and Japan will rank among the US, Russia and China as being the only countries to land a spacecraft on the lunar surface.
- ❖ Its destination the Lacus Somniorum – the Lake of Dreams – is situated close to the lunar equator.
- ❖ The Rashid rover will study the lunar surface, mobility on the surface of the moon and how different surfaces interact with the particles on the moon.
- ❖ The rover is named after Dubai's former ruler Sheikh Rashid bin Saeed Al Maktoum.





## ENVIRONMENT

### Ghatiana Dwivarna

- ❖ It is a new Crab Species has been discovered from Yellapur taluk of Uttara Kannada in Karnataka.
- ❖ Dwivarna is the 75th crab species to be found in India.
- ❖ Ghatiana Dwivarna is a freshwater crab, belongs to the Ghatianagenus.
- ❖ The most striking physical feature of the crab is its colour.
- ❖ The crab has white head and a purple body.
- ❖ It is a venomous crab and is definitely non-edible species of crab.
- ❖ The discovery of Dwivarna takes the total tally of Crab species in the world to 125 out of which 75 are found in India.
- ❖ Of the 75 Indian Carb Species, 13 are from the Ghatiana genus in India.
- ❖ Dwivarna is also the 14th freshwater crab to be found under the Ghatiana genus.



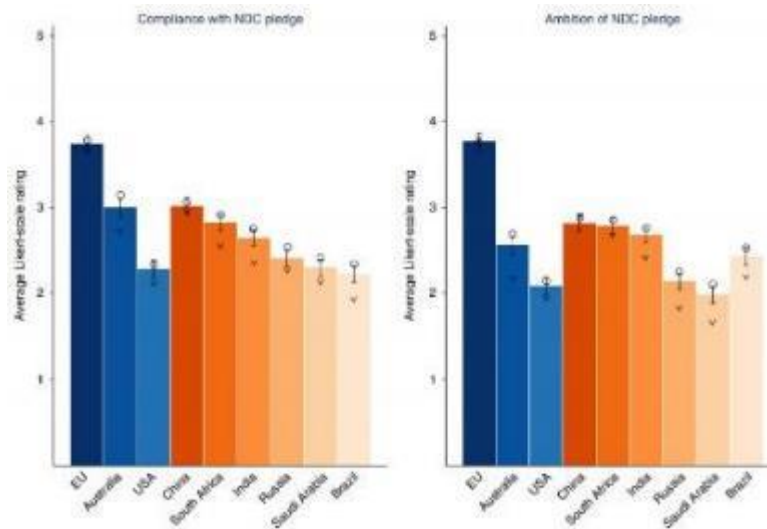
### Acrocanthosaurus

- ❖ A megadrought in the US state of Texas has unveiled the footprints of Acrocanthosaurus
- ❖ It is an ancient dinosaur that lived 113 million years ago.
- ❖ Like the Tyrannosaurus Rex, the Acrocanthosaurus was an apex predator, weighing approximately 4 metric tons.
- ❖ However, the Acrocanthosaurus lived in the early Cretaceous period, 50 million years before its T. Rex.

### Study on Climate Pledges

- ❖ A new study on different countries' Climate Pledges or the Nationally Determined Contributions (NDC) was published recently.

- ❖ The study included eight countries - India, the US, China, Australia, Saudi Arabia, Russia, Australia and Brazil - and the European Union.
- ❖ This study ranks India's updated climate pledges to the Paris Agreement 4th in ambition, 5th in compliance.
- ❖ The European Union (EU) took the lead while the United States was ranked last in compliance and second to last in ambition.






### 1<sup>st</sup> Bio Villages in India

- ❖ Tripura has successfully set up five bio villages.
- ❖ These are perhaps the first of their kind in the country.
- ❖ These has been set up by incorporating renewable energy.
- ❖ The components such as biogas, improved breed of livestock, solar-powered agricultural equipment, and energy-saving electrical devices were included to broaden the scope of the project.
- ❖ The first Bio village has been set up at Daspara in Charilam constituency of Sepahijala district.
- ❖ The Tripura government has set a target to set up total 100 Bio villages in the state.

### Getting India to Net Zero

- ❖ According to this report, the investment required will be \$13.5 trillion if the target is to be met by 2050 for India.
- ❖ India will require an economy-wide investment of \$10.1 trillion from now if it is to achieve its net-zero emissions target by 2070.

- ❖ The report also says achieving net-zero by 2070 would boost annual GDP by up to 4.7% by 2036 and create as many as 15 million new jobs by 2047.
- ❖ India's Nationally Determined Contribution (NDC) targets set in 2015 are likely to be met early within the next few years through current policies.
- ❖ The report said India could peak in emissions as soon as 2030.

<p><b>PM MAKES FIVE PLEDGES</b></p> <ol style="list-style-type: none"> <li><b>1</b> India will increase its non-fossil energy capacity to 500GW by 2030</li> <li><b>2</b> India will meet 50% of its energy requirements from renewable energy by 2030</li> <li><b>3</b> India will reduce the total projected carbon emissions by one billion tonnes from now to 2030</li> <li><b>4</b> By 2030, India will reduce the carbon intensity of its economy by 45% (from a previous target of 35%)</li> <li><b>5</b> By 2070, India will achieve the target of net zero</li> </ol>	<p><b>WHAT IS NET ZERO?</b></p> <p>Net zero refers to a balance where emissions of greenhouse gases are offset by the absorption of an equivalent amount from the atmosphere. Experts see net zero targets as a critical measure to successfully tackle climate change and its devastating consequences</p>
<p><b>PLEDGES BY TOP THREE EMITTERS</b></p> <p> <b>CHINA:</b> Beijing announced no new pledges on Monday. It previously pledged net zero by 2060.</p> <p> <b>UNITED STATES:</b> The US touted domestic legislation to spend \$555bn to boost renewable power and electric vehicles. It has pledged net zero by 2050.</p> <p> <b>INDIA:</b> The country's economy will become carbon neutral by the year 2070</p>	

## Hottest August in China



- ❖ China have recorded the country's hottest August since records began.
- ❖ The heat wave in southern China last month has suspected by experts to have been one of the worst heat waves in global history.
- ❖ Parts of Sichuan province and city of Chongqing recorded temperatures exceeding 40 degrees Celsius for a string of days.
- ❖ The average temperature nationwide was 22.4C in August.



- ❖ It is exceeding the norm by 1.2C.
- ❖ The month was also China's third-driest August on record.
- ❖ The recorded average rainfall was 23.1 per cent lower than usual.

### **Global Alliance for Industry Decarbonization - GAID**

- ❖ International Renewable Energy Agency along with major companies have launched GAID.
- ❖ It aims to accelerate net-zero ambitions and decarbonization of the industrial value chains.
- ❖ The term decarbonization literally means the reduction of carbon.
- ❖ It will allow dialogue and coordinated action
- ❖ 1st meeting will be held at COP27 in Sharm El Sheikh, Egypt.
- ❖ IRENA is an intergovernmental organization mandated to facilitate cooperation, advance knowledge, and promote the adoption and sustainable use of renewable energy.

### **Reintroduction of Cheetahs**

- ❖ The first batch of cheetahs are currently being brought from Namibia to be introduced into Kuno National Park in Madhya Pradesh.
- ❖ Prime Minister would release 8 cheetahs into the national park on September 17.
- ❖ The African cheetahs are slightly larger than their Asian counterparts.
- ❖ They are found all across Africa and are listed as vulnerable by the IUCN's Red List.
- ❖ The Government is planning to reintroduce cheetahs, which became extinct in India in 1952.
- ❖ Currently, Iran is the only country in the world to have living population of Asiatic cheetahs.
- ❖ Kuno National Park in Madhya Pradesh was established in 1981 as wildlife sanctuary and was later given the status of national park in 2018.
- ❖ It was named after Kuno River, one of the major tributaries of the Chambal River.
- ❖ This river flows through the entire length, bisecting the national park.



### NEW CAT ON THE BLOCK

- The last cheetah sighted in India died in 1947 in what is now Chhattisgarh
- The Centre plans to get cheetahs from Iran, Namibia, and South Africa
- Initially, 18 cheetahs will be acquired for India
- 10 sites in India were assessed for suitability as cheetah territories
- The sites lie in Gujarat, Rajasthan, Madhya Pradesh, Uttar Pradesh, and Chhattisgarh



## Congo Basin Forests – State of the Forests 2021



- ❖ It was released recently by the Central African Forests Commission.
- ❖ Increased investment and research are required for the protection of peatlands in central Congo basin.
- ❖ This area is currently under threat because of hydrocarbon exploration, logging, palm oil plantation, hydroelectric dams and climate change.
- ❖ The conservation of these peatlands is critical as they are capable of storing around 30 giga tons of carbon in a peat.
- ❖ This is equal to the above-ground biomass of trees in the entire Congo basin forest.



- ❖ They are capable of storing carbon worth of about 20 years of fossil fuel emissions of the United States.

### **Report on Southwest monsoon**



- ❖ The Internal Displacement Monitoring Centre (IDMC) and the Asian Development Bank released a joint report recently.
- ❖ The report found that southwest monsoon is lasting longer than its season.
- ❖ It may overlap with the northeast monsoon, causing more severe downpour, flooding and storms in South Asia.
- ❖ The southwest monsoon reached the peninsular India on time, it had stayed beyond seasonal boundary of September.
- ❖ In 2021, it had lasted until October, overlapping with the northeast monsoon.
- ❖ It found that disasters displaced about 61.4 million people in south Asia during this period.
- ❖ Of this, 58.6 million were displaced because of weather-related disasters.
- ❖ Floods and storms caused about 90 per cent of the total displacement.
- ❖ Floods caused the displacement of 37.4 million and storm, including major tropical cyclones, caused 21 million internal displacements.
- ❖ In the overall Asia-Pacific region, about 225 million individuals were displaced during the 2010-2021 period.
- ❖ This means that nearly 19 million people were displaced because of disaster each year.
- ❖ This is more than 75 per cent of the total global figure on displacement.
- ❖ 95 per cent of all disaster displacements in Asia Pacific are caused by monsoon rains, floods and storms.

## Red Panda Transboundary Conservation



- ❖ SBI Foundation and WWF India partnered for Red Panda transboundary conservation in Sikkim and Darjeeling, Kalimpong District of West Bengal.
- ❖ SBI Foundation is the CSR arm of the State Bank of India.
- ❖ WWF India is committed to creating and demonstrating practical solutions that help conserve India's ecosystems and rich biodiversity.

## Fridays for Future Campaign in Germany

- ❖ Fridays for Future activists have launched climate change protests in Germany and other countries.
- ❖ Over 270 cities and towns across Germany are taking part in demonstrations
- ❖ One of the biggest rallies took place in Berlin, where over 36,000 people gathered to conduct climate demonstrations.
- ❖ These protesters are calling for the stopping of global warming and demanding the German government to set up a 100-billion-euro funding to expand renewable energy use.
- ❖ They are also demanding the cancellation of financial and climate debts to developing countries.
- ❖ These protests were organized 6 weeks before the start of the UN Climate Summit (COP27), which is set to take place in Sharm El-Sheikh, Egypt.
- ❖ Countries like Italy, South Korea, the United States and the Democratic Republic of Congo have also witnessed similar protests.

## STATES

### World's largest religious monument

- ❖ The largest religious monument in the world will be the Temple of Vedic Planetarium in West Bengal.
- ❖ It will serve as the headquarters of the International Society of Krishna Consciousness (ISKCON).
- ❖ Once completed, it will be larger than the Taj Mahal and St. Paul's Cathedral in the Vatican.
- ❖ It will purportedly replace Cambodia's 400-acre-large Angkor Wat temple complex as the largest religious monument.



### Alapuzha – 5<sup>th</sup> fully digital banking district

- ❖ Alappuzha has become the fifth fully digital banking district in the State of Kerala.
- ❖ As part of the initiative, at least one digital transaction facility has been enabled in 26 lakh savings/current bank accounts in 29 banks in the district.
- ❖ A digital transaction facility includes debit-credit card, Internet banking, mobile banking, unified payment interface, and so on.
- ❖ A declaration in this regard was made by Reserve Bank of India (RBI).
- ❖ Banking services in Thrissur, Kottayam, Palakkad and Kasaragod have already become digital.

### 68<sup>th</sup> edition of Nehru Trophy Boat Race

- ❖ Pallathuruthi Boat Club recently won the 68th edition of the Nehru Trophy for a boat race held on the Punnamada Lake in Alappuzha district of Kerala.
- ❖ Nehru Trophy Boat Race was established in 1952 to commemorate the country's first Prime Minister Jawaharlal Nehru's visit to the region and his boat ride in Alappuzha Lake.

## **First-Ever Mountain Bicycle World Cup**



- ❖ Leh in Ladakh is all set to host this sport.
- ❖ It is named as the 'UCI MTB Eliminator World Cup'.
- ❖ It will be organized in collaboration with the Administration of Union Territory of Ladakh and the Cycling Association of India.

## **Rural Backyard Piggery Scheme**

- ❖ Meghalaya Chief Minister Conrad K Sangma has launched this scheme.
- ❖ It is to ensure the farmers earn a sustainable livelihood through different livestock farming activities.
- ❖ To make the state self-sufficient in pork, the government is implementing one of the largest piggery development programmes the 'Meghalaya Piggery Mission'.

## **RO Water in Every Household**

- ❖ Bhartaul has become the first village in Uttar Pradesh to achieve the distinction of supplying RO water to every household.
- ❖ The installation of RO has been under the Adarsh Gram Panchayat initiative enabling the Village to get access to clean drinking water.

## **100 days urban employment guarantee scheme**

- ❖ Rajasthan government launched an ambitious scheme to provide 100 days of employment to needy families in urban areas.
- ❖ It is called as Indira Gandhi Urban Employment Guarantee Scheme.
- ❖ This is made on the lines of the rural employment guarantee scheme MGNREGA.
- ❖ People from the age group of 18 to 60 are eligible for the scheme.

### India's longest rubber dam

- ❖ India's longest rubber dam 'Gayaji Dam' was inaugurated on the Falgu River in Gaya, Bihar.
- ❖ Experts from IIT (Roorkee) were involved with the project.
- ❖ The Falgu River has water only in the monsoon season and remains dry for the remaining period.
- ❖ The dam will ensure water storage in the river throughout the year.



### Naga Mircha festival

- ❖ The Naga Mircha festival was organized in Seiyhama village of Kohima district in Nagaland.
- ❖ This is the first-ever Naga Mircha (King Chilli) Festival.
- ❖ Naga Mircha is popularly known as Raja Mircha (King Chilli).
- ❖ It is one of top five hottest chillies on the Scoville Heat Units (SHUs) list.
- ❖ It received GI tag to Nagaland in 2008.
- ❖ It is also known as Bhoot Jolokia and Ghost pepper.
- ❖ It belongs to genus Capsicum of family Solanaceae.

### First-ever Cinematic Tourism Policy 2022-2027

- ❖ Gujarat Chief Minister has announced Gujarat's first-ever 'Cinematic Tourism Policy'.
- ❖ This new policy will create viable opportunities for film production in Gujarat and also provide employment opportunities to local people.
- ❖ There are many places in Gujarat like the White Desert of Kutch, Shivrajpur Beach where there are ample opportunities to become shooting spots.



## Right to Freedom of Religion Bill

- ❖ The 'Karnataka Protection of Right to Freedom of Religion Bill' was recently passed by the state legislative council.
- ❖ Karnataka's anti-conversion bill was passed in its assembly in December 2021.
- ❖ The bill bans forced religious conversions by direct or indirect means.
- ❖ It gives specific procedures for undertaking a religious conversion.
- ❖ Under this legislation, any individual seeking to convert their religion must submit a declaration at least 30 days before the conversion to the District Magistrate.

## Food Security Atlas

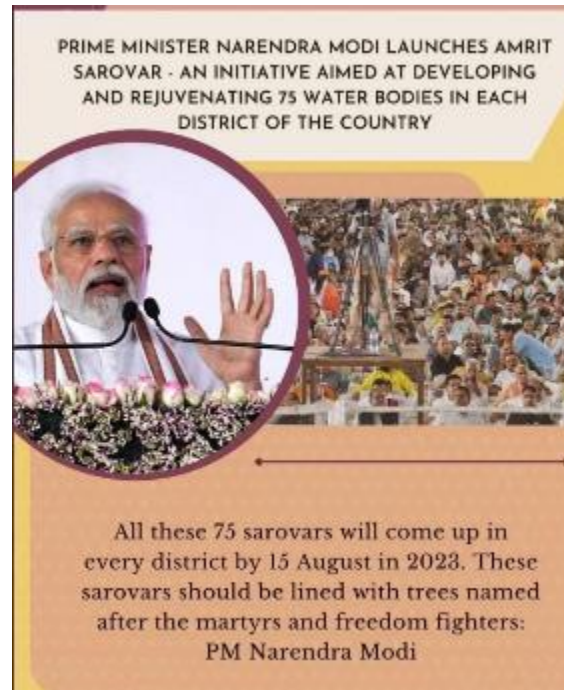


- ❖ Jharkhand has become the third state after Bihar and Odisha in eastern India to have Food Security Atlas for its rural areas.
- ❖ Odisha and Bihar had their Atlas launched in 2018.
- ❖ Food Security Atlas of Rural Jharkhand 2022 was launched in Ranchi.
- ❖ This Atlas is an effort toward mapping the food security situation in the state.
- ❖ It has been prepared by the Delhi-based Institute for Human Development.

## Mission Amrit Sarovar

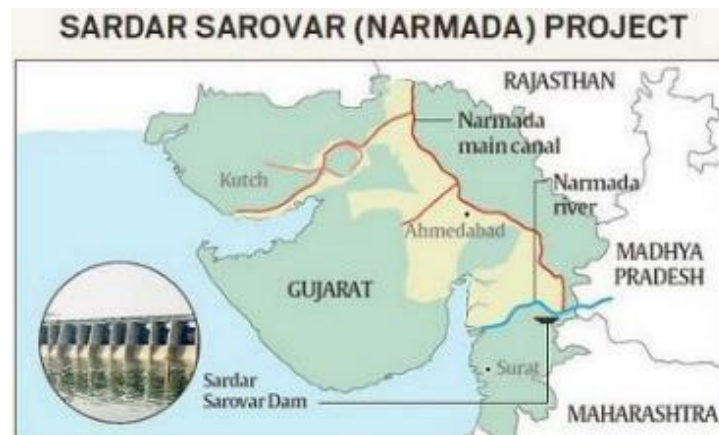
- ❖ Uttar Pradesh becomes the first state in India to construct 8,642 Amrit Sarovar (Lakes) in India.
- ❖ Amrit Sarovar is an ambitious mission initiated by Prime Minister, which aims to conserve water for the future.
- ❖ Madhya Pradesh is in the second position, Jammu and Kashmir in third, Rajasthan in fourth, and Tamil Nadu ranked in the fifth position.

- ❖ Lakhimpur Kheri, Uttar Pradesh, secured the first position within the state by constructing 256 Amrit Sarovar.
- ❖ Gorakhpur secured the second position by constructing 245 lakes.
- ❖ Pratapgarh secured the third position by constructing 231 lakes.



### **Sardar Sarovar dam**

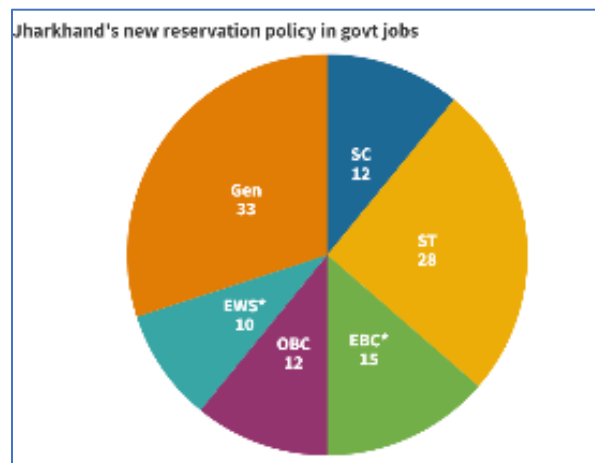
- ❖ The Sardar Sarovar dam on the river Narmada, the life line of Gujarat, was filled to its highest capacity.
- ❖ The water level at the dam has reached the historic 138.68 meters.
- ❖ It is above the highest capacity of the dam.



- ❖ This is for the third time in history that the dam is filled to its highest capacity after 2019 and 2020.

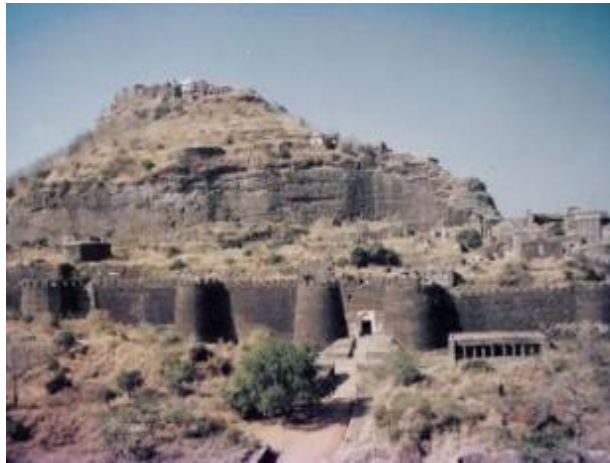
### Reservations for SCs, STs, Others

- ❖ The Jharkhand Government recently approved a proposal to grant 77 per cent reservation in the state government jobs.
- ❖ This is for people belonging to Scheduled Castes, Scheduled Tribes, backward classes, OBC and other economically weaker sections.
- ❖ It has increased the OBC reservation to 27 per cent from the present 14 per cent.
- ❖ It provides quota of 12 per cent for people belonging to local SC communities and 28 per cent for local ST communities.
- ❖ The extremely Backward Class people are given 15 per cent reservation and OBCs are given 12 per cent reservation.
- ❖ The State Government has decided to request the Central Government to include the bill in the Ninth Schedule of the Constitution.



### Renaming of Daulatabad Fort

- ❖ After renaming Aurangabad, Maharashtra government has now decided to rename Daulatabad Fort as Devgiri.
- ❖ Earlier Aurangabad was renamed as Sambhaji Nagar.
- ❖ It was earlier the capital of the Yadava Dynasty for a brief time the capital of the Delhi Sultanate.
- ❖ The fort was renamed Daulatabad by Mohammed Tughlaq in the 14th century.
- ❖ The fort was later known as Qubbatul Islam and coins were minted with this name.



### **Women only day**

- ❖ Uttar Pradesh Legislative Assembly is all set to have a day reserved for women legislators to speak and raise women-centric issues in the House.
- ❖ It will allow putting forward the problems and achievements of the state and other important issues in the House.
- ❖ Uttar Pradesh Legislative Assembly has 403 members.
- ❖ Out of which, there are 47 women MLAs including 22 first-timers.

### **Avalanche Monitoring Radar**

- ❖ The Indian Army and Defence Geoinformatics and Research Establishment (DGRE) jointly installed India's first avalanche monitoring radar in North Sikkim.
- ❖ This radar is a first of its kind in India.
- ❖ It has the capability to detect avalanches within three seconds of its trigger.
- ❖ It will assist in saving troops' lives and reducing damage to property in super high-altitude areas.
- ❖ The avalanche radar was made operational by DGRE of DRDO.

### **World Tourism Day award**

- ❖ On the occasion of World Tourism Day, Uttarakhand received the first prize in two categories.
- ❖ It won awards for the best adventure tourism destination and all-around development of tourism.

## PERSONALITIES, AWARDS AND EVENTS

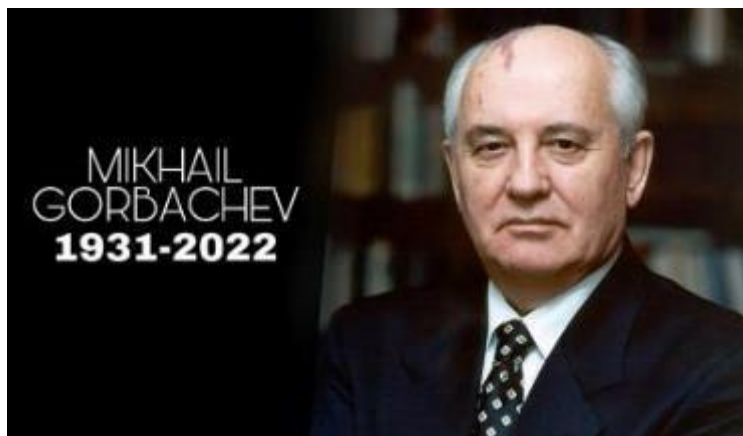
### Abhijit Sen

- ❖ Renowned economist and former Planning Commission member, Abhijit Sen has passed away at 72.
- ❖ He was a member of the Planning Commission from 2004 to 2014, during the tenure of PM Manmohan Singh.
- ❖ He advocated the universal PDS of grains to protect consumers in vulnerable sections of society.



### Mikhail Gorbachev

- ❖ He was a Soviet Leader who Ended Cold War dies At 91.
- ❖ He was the last soviet leader and in power between 1985 and 1991 in the USSR.
- ❖ He helped bring US-Soviet relations out of a deep freeze.
- ❖ He was the last surviving Cold War leader.
- ❖ He won the Nobel Peace Prize in 1990.





### **Miss Diva Universe 2022**

- ❖ 23-year-old Divita Rai from Karnataka won the prestigious title of Miss Diva Universe 2022.
- ❖ Pragnya Ayyagari of Telangana was declared Miss Diva Supranational 2022.



### **James Anderson**

- ❖ England's James Anderson has become the first-ever fast bowler to complete 950 wickets in international cricket.
- ❖ He broke the record of Australia's Glenn McGrath (949 wickets).
- ❖ The most successful bowlers in international cricket are Sri Lankan spin wizard, Muttiah Muralitharan (1,347 wickets), late Aussie spin great Shane Warne (1,001 wickets) and Indian spin great Anil Kumble (956 wickets).

### **Smart Solutions Challenge & Inclusive Cities Awards 2022**

- ❖ The Minister for Housing & Urban Affairs & Petroleum and Natural Gas, Hardeep Singh Puri presented these awards.
- ❖ These awards are an initiative of the National Institute of Urban Affairs (NIUA) and the United Nations (UN) in India to address city-level accessibility and inclusion challenges faced by persons with disabilities (PwD), women and girls, and the elderly.

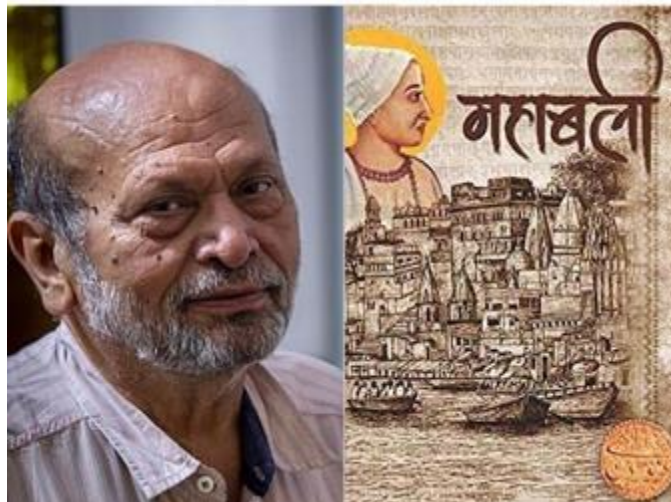
### **Cyrus Mistry (54)**

- ❖ The Tata Group's Ex Chairman died in accident near in Maharashtra's Palghar.
- ❖ He was an Indian-born Irish businessman.
- ❖ He was the younger son of construction magnate Pallonji Mistry.
- ❖ Both of his parents belong to the Zoroastrian faith and have roots in India.

- ❖ He was the chairperson of Tata Group from 2012 to 2016 after Ratan Tata announced his retirement.
- ❖ He was the sixth chairman of the group.
- ❖ He was only the second (after Nowroji Saklatwala) to not bear the surname Tata.
- ❖ Mistry was an Irish citizen and a permanent resident of India (having acquired Overseas Citizenship of India).

### **31st Vyas Samman**

- ❖ The 31st Vyas Samman was conferred on to well-known Hindi writer Dr Asghar Wajahat.
- ❖ He has been chosen for the prestigious award for his play Mahabali.
- ❖ The Vyas Samman is given by K K Birla Foundation for outstanding literary work in Hindi authored by an Indian citizen published during the last 10 years.
- ❖ Ram Vilas Sharma received the inaugural Vyas Samman in 1991 for his work 'Bharat ke Pracheen Bhasha Parivar aur Hindi'.



### **Meritorious Service Medal**

- ❖ Former India Chief of Naval Staff, Admiral Sunil Lanba has been conferred Singapore's prestigious military award.
- ❖ This award is known as the Pingat Jasa Gemilang (Tentera) or Meritorious Service Medal (Military) (MSM(M)).
- ❖ He has been conferred the award for his outstanding contributions in enhancing the strong and long-standing bilateral defence relationship between the Indian Navy and the Republic of Singapore Navy.

### **Kamal narain Singh**

- ❖ Former Chief Justice of India Kamal Narain Singh passed away.
- ❖ Justice Narain had a tenure of only 17 days as the CJI.
- ❖ It made him the chief justice with the shortest tenure.
- ❖ He was the 22nd Chief Justice of India.
- ❖ His term is from November 25, 1991, to December 12, 1991.
- ❖ He was part of several important judgments, including the Ganga Pollution case, the case challenging the validity of a death sentence, etc.

### **Chairman of PMLA appellate tribunal**

- ❖ Justice Munishwar Nath Bhandari has been appointed as the Chairman of the Appellate Tribunal under the Prevention of Money Laundering Act (PMLA).
- ❖ Justice Bhandari is due to retire on September 12 as Chief Justice of Madras High Court.
- ❖ The Tribunal for Forfeiture of Property under the SAFEMA (Smugglers and Foreign Exchange Manipulators Act) and the PMLA Appellate Tribunal were merged in 2016 through the Finance Act, 2016.

### **Anvi Vijay Zanzarukia**

- ❖ Anvi Vijay Zanzarukia, popularly known as 'Rubber Girl', met Prime Minister in Delhi.
- ❖ Yoga has changed the life of this 14-year-old girl suffering from Down Syndrome with a 75 per cent intellectual disability.
- ❖ She won Pradhan Mantri Rashtriya Bal Puraskar on January 24 this year.





### **Attorney General for India**

- ❖ Senior Advocate Mukul Rohatgi is set to be appointed the 14<sup>th</sup> Attorney General for India after KK Venugopal vacates the post.
- ❖ This will be Rohatgi's second time as AG.
- ❖ His first term was between June 2014 and June 2017.
- ❖ The Attorney General (AG) of India is a part of the Union Executive.
- ❖ AG is the highest law officer in the country.
- ❖ Article 76 of the Constitution provides for the office of AG of India.
- ❖ Solicitor General of India and Additional Solicitor General of India assist the AG in fulfilment of the official responsibilities.

### **'Water Heroes: Share Your Stories Contest'**

- ❖ The Department of Water Resources, River Development and Ganga Rejuvenation, Ministry of Jal Shakti launched the 'Water Heroes: Share Your Stories' contest.
- ❖ The third edition of the 'Water Heroes: Share Your Stories' contest was launched on 1st December 2021.
- ❖ And it will end on 30th November 2022 on MyGov Portal.
- ❖ The first edition was launched from 1st September 2019 to 30th August 2020.
- ❖ The second edition of the 'Water Heroes: Share Your Stories' contest was launched from 19<sup>th</sup> September 2020 to 31<sup>st</sup> August 2021.

### **Malaysia's Cabinet minister Samy Vellu**

- ❖ One of Malaysia's longest serving Cabinet ministers S. Samy Vellu passed away recently.
- ❖ He was president of the Malaysian Indian Congress, a key component of Barisan Nasional, for a record 31 years until 2010.
- ❖ He dominated Indian politics in Malaysia for decades after joining the party in 1959.

### **Second richest person in the world**

- ❖ Gautam Adani became second richest person in the world surpassing Amazon founder Jeff Bezos, according to Bloomberg Billionaires Index.
- ❖ Adani has net worth of \$147 billion.

- ❖ He is next to the world's richest person and Tesla's founder Elon Musk.
- ❖ Elon has net worth of \$264 billion.
- ❖ Ambani has been ranked tenth on the list with net worth of \$88.7 billion.
- ❖ Microsoft's founder Bill Gates, with a net worth of \$112 billion has been ranked as the 5th richest.
- ❖ Warren Buffett is ranked sixth richest with a net worth of \$96 billion.

### **INSPIRE Awards**

- ❖ Union Ministry of Science and Technology has recently provided financial aid to around 53,000 students under the INSPIRE Scheme.
- ❖ INSPIRE stands for The Innovation in Science Pursuit for Inspired Research.
- ❖ This has been implemented by Indian Government's Department of Science and Technology.
- ❖ It has three components
  - Scheme for Early Attraction of Talent (SEATS)
  - Scholarship for Higher Education (SHE) and
  - Assured Opportunity for Research Careers (AORC).
- ❖ Government confers INSPIRE Award – MANAK every year under the SEAT Program.
- ❖ MANAK stands for Million Minds Augmenting National Aspiration and Knowledge.

### **World's First Cloned Arctic Wolf**



- ❖ China have successfully cloned wild Arctic Wolf for the first time.
- ❖ It aims to prevent the endangered species from going extinct.
- ❖ The newly cloned wolf was named Maya, which means good health.
- ❖ The donor cell of the wolf came from a skin sample of a wild female Arctic Wolf.



- ❖ Its oocyte was obtained from a female dog.
- ❖ The Arctic Wolf is also known as white wolf or polar wolf.
- ❖ It is native to the High Arctic tundra of Canada's Queen Elizabeth Islands.
- ❖ It is a subspecies of the grey wolf.

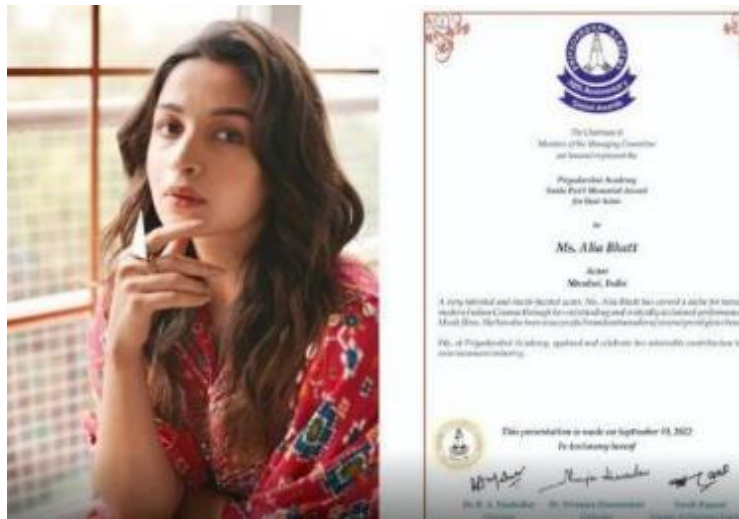
### **Soviet Cosmonaut Valery Polyakov**



- ❖ Valery Polyakov, who held the record for the achieving the longest single stay in space, has passed away.
- ❖ He stayed 437 days in space from January 8, 1994.
- ❖ He orbited the Earth more than 7,000 times before returning back to Earth on March 22, 1995.
- ❖ Earlier, Polyakov spent 288 days in space on a mission that took place in 1988-89.
- ❖ He participated in an experiment SFINCSS-99 (Simulation of Flight of International Crew on Space Station) in 1999.
- ❖ Polyakov's longest record of 678 days in space has been surpassed in 1999 by cosmonaut Sergei Avdeyev, who stayed in space for 747 days

### **Smita Patil Memorial Award**

- ❖ Alia Bhatt has been awarded the Best Actor at the prestigious Priyadarshni Academy Smita Patil Memorial Award.
- ❖ This award is given for her commendable contribution to Indian cinema.
- ❖ Priyadarshini Academy is the premier non-profit, socio-cultural and educational organisation.



### Top French civilian honor

- ❖ Swati Piramal, Vice Chairperson, Piramal Group has been conferred the Chevalier de la Légion d'Honneur (Knight of the Legion of Honour).
- ❖ It is a recognition of Piramal's outstanding achievements and contribution in the fields of business and industry, science, medicine, art and culture, both nationally and internationally.
- ❖ In 2006, she was also awarded the Chevalier de l'Ordre National du Mérite (Knight of the Order of Merit), France's second highest civilian honour.
- ❖ She is also a recipient of the Padma Shri.

### 13th Social Entrepreneur of the Year



- ❖ Aniket Doegar of Haqdarshak, a tech platform that connects citizens with their eligible government welfare schemes, was awarded the 13th Social Entrepreneur of the Year (SEOY) Award.



- ❖ This award established by Jubilant Bhartia Foundation and Schwab Foundation for Social Entrepreneurship.
- ❖ Haqdarshak has trained over 22,800 agents across 24 states.

### **Best Workplaces in Asia 2022**

- ❖ Federal Bank was ranked 63rd on the Best Workplaces in Asia 2022 list.
- ❖ It becomes the only bank in India to be listed by Great Place to Work, the international authority on workplace culture.
- ❖ The report assesses employee experiences of trust, innovation, company values and leadership.
- ❖ Companies are also evaluated on how well they are creating workplace experience, inclusive of all employees.

### **‘Rajbhasha Kirti Puraskar’**

- ❖ Garden Reach Shipbuilders and Engineering Limited (GRSE), Kolkata, has been awarded with the ‘Rajbhasha Kirti Puraskar’.
- ❖ This is for the best implementation of official language under public sector undertakings in region ‘C’ for the year 2021-22.
- ❖ It is the highest award given by the government of India in the field of official Language Implementation.
- ❖ GRSE has received the ‘Rajbhasha Kirti Puraskar’ for the best official language Implementation during 2011-2012, 2012-2013, 2014-2015, 2015-2016, and 2016-2017.

### **Oldest Indian to cross North Channel**

- ❖ Indian swimmer Elvis Ali Hazarika has become the first from the North East to cross the North Channel.
- ❖ The North Channel is the strait between north-eastern Northern Ireland and south-western Scotland.
- ❖ With this, Elvis has become the oldest Indian swimmer to cross the North Channel.
- ❖ In August 2019, he became the first Assamese swimmer to successfully cross the Catalina Channel.

### Goalkeepers Global Goals Awards

- ❖ Bill and Melinda Gates Foundation honoured 4 changemakers, with the 2022 Goalkeepers Global Goals Awards.
- ❖ The award recognises their efforts to advance progress towards the United Nations Sustainable Development Goals (SDGs) in their communities and around the world.
- ❖ The Gates Foundation's sixth annual Goalkeepers Report, "The Future of Progress," was released.

Name of the Award	Awarded by	Awardee	Country
2022 Global Goalkeeper Award	Bill Gates and Melinda French Gates	Ursula von der Leyen	Germany
2022 Campaign Award	Malala Yousafzai	Vanessa Nakate	Uganda
2022 Changemaker Award	Angelina Jolie	Zahra Joya	Afghanistan
2022 Progress Award	Lilly Singh	Dr. Radhika Batra	India

### First Queen Elizabeth II award

- ❖ Britain's Indian-origin Home Secretary Suella Braverman has been named winner of the first-ever Queen Elizabeth II Woman of the Year award.
- ❖ The awards recognise the achievements of individuals from across Britain's South Asian community via public nominations.

### Breakthrough Prizes 2023

- ❖ Daniel A. Spielman has been honoured with the 2023 Breakthrough Prize in Mathematics.
- ❖ This is awarded for his multiple discoveries in theoretical computer science and mathematics.
- ❖ This award is dubbed as the "Oscars of Science".
- ❖ It recognized for their game-changing discoveries in Fundamental Physics, Life Sciences and Mathematics, along with early-career scientists who have made significant contributions to their fields.
- ❖ It was founded by Sergey Brin, Priscilla Chan and Mark Zuckerberg, Yuri and Julia Milner, and Anne Wojcicki in 2012.

Award	Awardee
<b>Breakthrough Prizes in Life Sciences</b>	<ul style="list-style-type: none"> <li>• Clifford P. Brangwynne</li> <li>• Anthony A. Hyman</li> <li>• Demis Hassabis</li> <li>• John Jumper</li> <li>• Emmanuel Mignot</li> <li>• Masashi Yanagisawa</li> </ul>
<b>Fundamental Physics</b>	<ul style="list-style-type: none"> <li>• Charles H. Bennett,</li> <li>• Gilles Brassard,</li> <li>• David Deutsch,</li> <li>• Peter W. Shor</li> </ul>
<b>New Horizons in Physics Prize</b>	<ul style="list-style-type: none"> <li>• David Simmons-Duffin</li> <li>• Anna Grassellino</li> <li>• Hannes Bernien</li> <li>• Manuel Endres</li> <li>• Adam M. Kaufman</li> <li>• Kang-Kuen Ni</li> <li>• Hannes Pichler</li> <li>• Jeff Thompson</li> </ul>
<b>New Horizons in Mathematics Prize</b>	<ul style="list-style-type: none"> <li>• Ana Caraiani</li> <li>• Ronen Eldan</li> <li>• James Maynard</li> </ul>
<b>Maryam Mirzakhani New Frontiers Prize</b>	<ul style="list-style-type: none"> <li>• Maggie Miller</li> <li>• Jinyoung Park</li> <li>• Vera Traub,</li> </ul>

### **Hermann Kesten Award 2022**

- ❖ Indian activist-author-poet Meena Kandasamy has been announced as the recipient of the Hermann Kesten Award 2022.
- ❖ It is given by the PEN Centre in Darmstadt, Germany.
- ❖ The award is given to Kandasamy in honour and recognition of her support for the rights of victimized writers.
- ❖ It also recognizes her works on the issues of caste, ethnic oppression, and gender.
- ❖ The award was initially given once in two years till 1993.
- ❖ Since 1994 it is being given annually.



## SPORTS

### Neeraj Chopra

- ❖ Olympic gold medallist Neeraj Chopra of javelin throw, recently won the Lausanne Diamond League of Switzerland.
- ❖ He became the first Indian to win the Diamond League meeting title.
- ❖ Before Chopra, discus thrower Vikas Gowda is the only Indian to finish in the top three in the Diamond League.
- ❖ Neeraj has become the first track and field athlete to win an Olympic gold medal for India and second Olympic athletics to win for India after Norman Pritchard.
- ❖ Norman Pritchard won two silver medals at 1900 Summer Olympics for India.

### Video Assistant Referee

- ❖ The upcoming Under-17 Women's World Cup 2022 in India will see the Video Assistant Referee (VAR) technology.
- ❖ This technology is introduced for the first time in the under 17 Women world cup.
- ❖ It will be held in Bhubaneswar (Kalinga Stadium), Margao (JLN Stadium) and Navi Mumbai (DY Patil Stadium) from October 11-30, 2022.
- ❖ The VAR technology supports the decision-making process of the referee in four game-changing situations: goals and offences leading up to a goal, penalty decisions and offences leading up to a penalty, direct red card incidents, and mistaken identity.



### All India Football Federation

- ❖ It was founded in 1937 with Headquarters at New Delhi.
- ❖ It was suspended for the first time in its 85-year history as a result of inappropriate external influence by the sport's world governing body FIFA.

- ❖ But later AIFF's ban was lifted by the FIFA Council Bureau with immediate effect.
- ❖ It will allow India to host the FIFA U-17 Women's World Cup in 2022.
- ❖ Former footballer Kalyan Chaubey elected as new President of All India Football Federation.
- ❖ He was a goalkeeper with the Mohun Bagan and East Bengal football clubs in Kolkata.

### **Apeksha Fernandes**

- ❖ She becomes 1st Indian woman to reach WJS (Junior World finals) Championships Final.
- ❖ She became the first Indian woman to make the Junior World finals by finishing eighth overall.
- ❖ The 8th World Junior Swimming Championships is held in Lima, Peru.



### **Serena Williams**



- ❖ She retired from Tennis after playing US Open Tennis tournament.
- ❖ She is an American professional tennis player.
- ❖ She was ranked world No. 1 in singles by the Women's Tennis Association (WTA) for 319 weeks.
- ❖ She won 23 Grand Slam singles titles, the most by any player in the Open Era.
- ❖ In 2012, she claimed Olympic gold.

- ❖ Thus, she became the first tennis player to win a Career Golden Slam in singles as well as doubles.

### **36<sup>th</sup> National Games**

- ❖ It is also known as Gujarat Games 2022.
- ❖ It will be held at six cities namely Ahmedabad, Gandhinagar, Surat, Vadodara, Rajkot and Bhavnagar.
- ❖ This is the first time the state of Gujarat is hosting a national sporting event.
- ❖ The 35th edition was held in Kerala in 2015.
- ❖ The first edition of the Indian Olympic Games took place in Lahore before the independence of India in 1924.
- ❖ Two new events Yogasana and Mallakhamba, and Indigenous games like Kho-Kho and Kabbadi are also included.
- ❖ The roar Savaj is the mascot for this edition.
- ❖ The anthem is based on the theme of Ek Bharat Shrestha Bharat.
- ❖ 36 sports will be hosted with the tagline “Sports for Unity”.

### **Dubai Open chess Tournament**

- ❖ Grandmaster Aravindh Chidambaram wins the 22nd Dubai Open Chess Tournament
- ❖ R. Praggnanandhaa was in the second spot.



### **Linthoi Chanambam**

- ❖ Linthoi of 16 from Manipur wins India's 1st world judo title.
- ❖ Chanambam defeated Brazil's Reis Bianca to win the gold at the World Cadet Championships in Sarajevo, Capital of Bosnia and Herzegovina.

## UEFA Awards

- ❖ Karim Benzema and Alexia Putellas were rewarded for outstanding seasons by winning the UEFA men's and women's player of the year prizes at a ceremony in Istanbul, Turkey.
- ❖ France football player Benzema captained Real Madrid.
- ❖ Putellas of Spain as the top scorer in the Women's Champions League.



## Diamond League

**Indian Athletics**

**Neeraj Chopra**

- U20 Worlds: Gold
- CWG: Gold
- Asian Games: Gold
- Olympic Games: Gold
- World C'ships: Silver
- Diamond League Champion

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Neeraj Chopra becomes the first Indian to win the Diamond Trophy

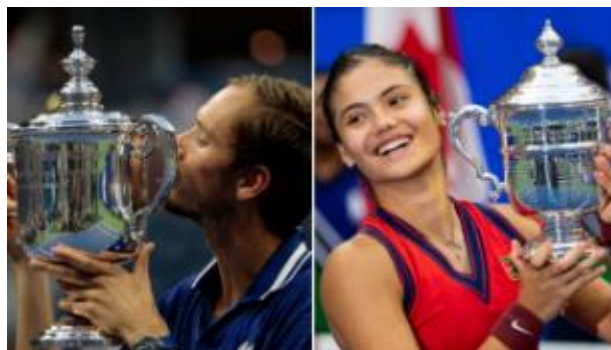
A photograph of Neeraj Chopra in an orange athletic uniform, captured in the middle of a javelin throw. He is looking upwards and to the right, with his right arm extended forward. The background is blurred, showing a stadium setting.

- ❖ Neeraj Chopra, javelin thrower, wins Gold Medal at Diamond League Finals in Zurich, Switzerland
- ❖ He becomes 1st Indian to win the championship.
- ❖ His victory also earned him a wildcard entry at the 2023 World Athletics Championships in Budapest, Hungary.
- ❖ The Diamond League Finals can be considered the most prestigious competition outside of the Olympics and World Championships.

### **Title Sponsorship Rights**

- ❖ Mastercard has announced its collaboration with the Board of Control for Cricket in India to expand its strategic outreach to Indian audiences.
- ❖ Mastercard will be the title sponsor of all the international matches including men and women, held on the home grounds, domestic cricket matches like Duleep Trophy, Ranji Trophy, and Irani Trophy.
- ❖ Also, it sponsors to all junior cricket matches to be held in India.

### **US Open Tennis Tournament 2022**



- ❖ The 2022 US Open is a tennis tournament was the overall 142th edition of the US Open.
- ❖ This is the fourth and final Grand Slam event of the year 2022.
- ❖ Carlos Alcaraz of Spain has won the men's singles title.
- ❖ He has become the youngest player to reach the first position in the ATP rankings.
- ❖ The World number one Iga Swiatek of Poland has won the women's singles title.
- ❖ Swiatek is the first Polish female player to win the US Open title.
- ❖ She has won 10 titles including three Grand Slam titles in his career so far.
- ❖ Rajeev Ram of America and Joe Salisbury of British won the men's doubles.
- ❖ The Czech pair of Barbora Krejčíková and Katerina Siniaková got the women's doubles title.
- ❖ In mixed doubles, the Australian pair of Storm Sanders and John Pearce won the title.

### **3 Ranji Trophy matches**

- ❖ Sikkim will host three Ranji trophy matches for the first time.
- ❖ Along with Ranji Trophy matches, Sikkim will also play two Cooch Behar Trophy matches, and three Col CK Nayudu Trophy matches at Mining.



## World wrestling championship 2022



- ❖ Bajrang Punia claimed the bronze medal in the men's 65 kg in the World Wrestling Championships 2022.
- ❖ It was Bajrang Punia's fourth medal at the world championships.
- ❖ Vinesh Phogat also won the bronze medal in the women's 53kg competition.
- ❖ Vinesh has become the first Indian woman wrestler to win two medals at the World Championships.

## Roger Federer (Switzerland) retirement

- ❖ Roger Federer has announced that he will retire from the ATP Tour and grand slams following the Laver Cup next week in London.
- ❖ He has played more than 1500 matches over 24 years.
- ❖ He won 20 Grand Slam singles titles.



**ROGER, OVER & OUT**

**FED EX:** The Swiss maestro's career spanned over 24 yrs

Roger Federer (41), regarded by many as the greatest male player to wield a tennis racquet, says he'll retire after next week's Laver Cup. He's won 20 Grand Slam titles, finished 5 seasons ranked No. 1 and helped create a golden era along with Nadal and Djokovic

- > At 369, Federer has won the most Grand Slam men's singles main matches in Open Era, ahead of Djokovic (334), Nadal (313), Connors (233) & Agassi (224)
- > Holds the record for most consecutive weeks — 237 — at No. 1. Also oldest No. 1 in ATP history at 36 yrs & 10 months
- > Only player to reach the finals of all 4 Slams in a season thrice (2006, '07, '09) and win five or more titles at three Slams (Wimbledon, Aus & US Open)

Total matches played	1,526	Won	1,251	No. of titles	103	Olympic Gold (2008 doubles)
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“Dear Roger, my friend & rival, (it was) an honor & privilege to share all these years with you —Rafa Nadal

**FINALLY, TO THE GAME OF TENNIS: I LOVE YOU AND WILL NEVER LEAVE YOU** —Roger Federer



## IMPORTANT DAYS

### World Coconut Day – Sep 02

- ❖ The theme for this year is “Growing Coconut for a Better Future and Life”.
- ❖ The first world coconut day was celebrated on September 2, 2009, by the Asia Pacific Coconut Community (APCC).
- ❖ The coconut tree is a member of the palm tree family and the only living species of the genus Cocos.
- ❖ Coconut is a member of the drupe family and is mostly found in tropical countries
- ❖ In India, this day is celebrated with the support of the Coconut Development Board (CDB), across the states such as Kerala, Tamil Nadu, Karnataka, Goa, West Bengal, Andhra Pradesh and Odisha etc.
- ❖ The Coconut Development Board (CDB) is a statutory body established under the Ministry of Agriculture.
- ❖ Its headquarters is at Kochi in Kerala.
- ❖ The three countries that produce the most coconuts worldwide are India, Indonesia, and the Philippines.
- ❖ Indonesia (1st), India (2nd), Philippines (3rd), Brazil (4th) and Sri Lanka (5th) are the top exporters of coconuts.

### National Nutrition Week 2022

- ❖ It is being celebrated from September 1 to September 7.
- ❖ The Theme of this year is ‘Celebrate A World of Flavours’.
- ❖ National Nutrition Week was established back in the year 1975 by the members of the American Dietetic Association (ADA).
- ❖ India began to celebrate National Nutrition Week from the year 1982.
- ❖ The Food and Nutrition Board of the Government of India’s organises an annual week-long celebration of National Nutrition Week.
- ❖ This board comes under the Ministry of Women and Child Development.

### International Vulture awareness Day – Sep 03

- ❖ A total of nine species of vultures are found in India.
- ❖ Out of these six species are resident (white-rumped vulture, Indian vulture, slender-billed vulture, red-headed vulture, bearded vulture and Egyptian vulture)



and three species are migratory (cinereous vulture, griffon vulture and Himalayan vulture)

- ❖ Maharashtra is home to seven of the nine vulture species in India.
- ❖ diclofenac, a veterinary drug used for pain management in livestock, is the main cause of the near wipe-out of vultures.
- ❖ It was banned for veterinary use in India since 2006.
- ❖ The Action Plan for Vulture Conservation in India 2020-2025 was released by the Ministry of Environment, Forest and Climate Change.

### **International Day of Charity – Sep 05**

- ❖ It was instituted by United Nations General Assembly (UNGA) in 2012.
- ❖ It is death anniversary of Mother Teresa.
- ❖ Mother Teresa received the Nobel Peace Prize in 1979.
- ❖ She passed away on 5 September 1997, at the age of 87, in Kolkata.
- ❖ In 1950, she established Missionaries of Charity in Kolkata.

### **Teachers Day – Sep 05**

- ❖ The theme for this year's teachers' day is 'Leading in crisis, reimagining the future.'
- ❖ In India the birthday of the second president Sarvepalli Radhakrishnan is celebrated as Teachers' Day since 1962.
- ❖ Born on September 5 of 1888, he served the first vice President of India (for two terms 1952/62) and second President of India (1962/67).
- ❖ In 1954, along with Rajaji and Sir CV Raman, he was awarded Bharat Ratna.

### **International Day of Clean Air for Blue Skies – Sep 7**

- ❖ The day is facilitated by the United Nations Environment Programme (UNEP).
- ❖ It was first established at the 74th session of the United Nations General Assembly in 2019.
- ❖ The lead coordinating partners of the day are United Nations Environment Programme (UNEP) and Climate and Clean Air Coalition to Reduce Short-Lived Climate Pollutants (CCAC).
- ❖ The theme for this year is 'Air We Share'.



### **International Literacy Day – Sep 08**

- ❖ The day was instituted in 1966 by United Nations Educational, Scientific and Cultural Organization (UNESCO).
- ❖ On this day in year 1965, World Congress of Ministers of Education had met for first time in Tehran, Iran to discuss the programme of education at international level.
- ❖ This year it was 54th observation.
- ❖ This year's theme was "Transforming Literacy Learning Spaces".

### **World Physiotherapy Day – Sep 08**

- ❖ The date was chosen as World Physiotherapy Day in 1996.
- ❖ World Confederation for Physical Therapy was established on this day in 1951.
- ❖ In 1952 Physiotherapy was first initiated in India.
- ❖ World Health Organization (WHO) along with the Government of India began the first physiotherapy centre in Mumbai.
- ❖ The theme of this year is 'Prevention and Management of Osteoarthritis'.
- ❖ Arthritis is a general term used for conditions that affect the joints, tissues around the joint, and other connective tissues.

### **World Electric Vehicle (EV) Day – Sep 09**

- ❖ The first World EV Day was observed in 2020.
- ❖ It was an initiative of Sustainability Media Company Greet TV.
- ❖ It is observed to emphasize the importance of e-mobility.
- ❖ China is the largest EV market worldwide.
- ❖ Currently, the automotive industry of India is the fifth largest worldwide and is set to become third largest by 2030.
- ❖ Tata is the leading brand of Electrical vehicles in India.
- ❖ Tesla has already incorporated its subsidiary, Tesla India Motors in Bengaluru.

### **International Day to Protect Education from Attack – Sep 09**

- ❖ It is an international observance established by a unanimous decision of the United Nations General Assembly in 2020.
- ❖ UNESCO and UNICEF will facilitate the annual observance of the Day in close collaboration with partners within and outside the UN system.

- ❖ It is to raise awareness of the plight of millions of children living in countries affected by conflict.

### **Himalaya Day – Sep 09**

- ❖ It aims to preserve the Himalayan ecosystem and region.
- ❖ In 2015, it was officially declared as Himalaya Day by the then Chief Minister of Uttarakhand.
- ❖ National Mission for Clean Ganga organised this.
- ❖ This year's theme was 'Himalayas will be safe only when the interests of its residents are protected'.

### **World suicide prevention Day - September 10**



- ❖ It is organized by the International Association for Suicide Prevention (IASP) and endorsed by the World Health Organization.
- ❖ The overall goal of this day is to raise awareness about suicide prevention worldwide.
- ❖ The theme of WSPD 2022 is “Creating hope through action,”
- ❖ This has been the triennial theme for World Suicide Prevention Day from 2021 to 2023.

### **World First Aid Day - September 10**

- ❖ World First Aid Day is celebrated every year on the second Saturday of September.
- ❖ The day is recognized worldwide to promote the significance of first aid, which is an important fundamental skill, and to create awareness on a global level about how it can save precious lives.
- ❖ The day was introduced first by the International Federation of Red Cross and Red Crescent Societies.



- ❖ Theme of this year is 'Lifelong First Aid'.



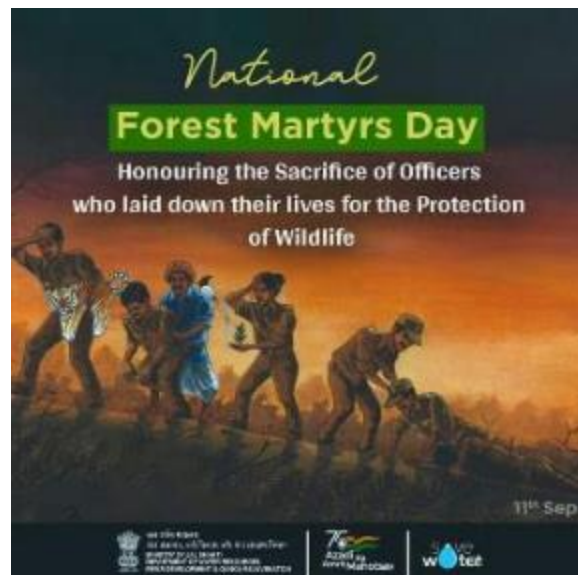
### International PCOS Awareness Month



- ❖ The month of September is recognized as International PCOS Awareness Month.
- ❖ Polycystic ovary syndrome (PCOS) is a common hormonal disorder in women that is also the leading cause of female infertility.
- ❖ It is a serious genetic, hormone, metabolic and reproductive disorder that affects women and girls.

### **National Forest Martyrs Day - September 11**

- ❖ It pays tribute to those who sacrificed their lives to protect forests and wildlife.
- ❖ The tragic Khejarli massacre occurred on September 11, 1730.
- ❖ This day was chosen to be recognised as National Forest Martyrs Day.
- ❖ Cutting down the Khejarli trees in the forest was ordered by Maharaja Abhay Singh of Rajasthan.
- ❖ Bishnoi community people protested against the order as they considered Khejarli trees to be sacred.
- ❖ A woman named Amrita Devi offered her head to save Khejarli trees from being cut down, as a mark of protest.



### **International Day for South-South Cooperation - September 12**

- ❖ It aims to highlight the importance of cooperation among people and countries in the global South.
- ❖ The day also aims at spreading awareness on the social, economic, and political developments made in the Southern region.
- ❖ The creation of the UNOSSC was proposed in 1974 in the United Nations General Assembly as a special unit within the United Nations Development Programme.

### **Hindi Day - September 14**

- ❖ On this day, the Constituent Assembly of India took the decision to make Hindi the official language of the Union government.



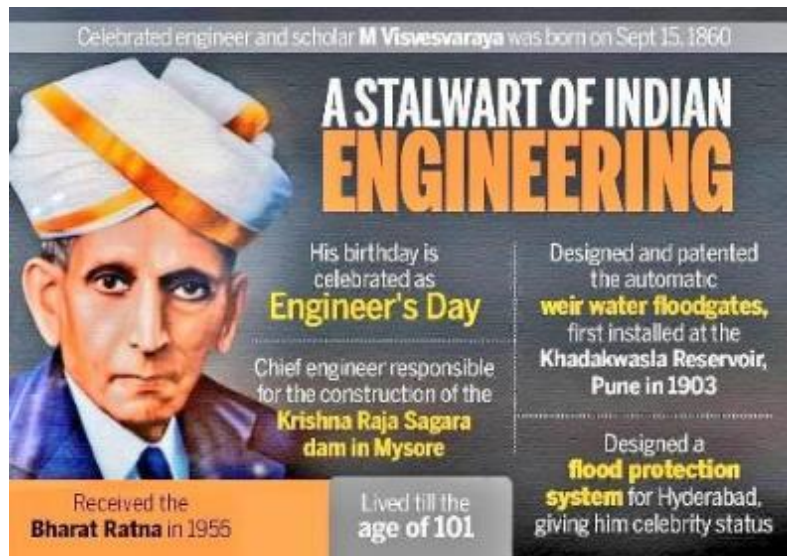
- ❖ While English was to hold the status of associate language for 15 years.
- ❖ It was a compromise, famously called the Munshi-Ayyangar formula.
- ❖ It was named after the drafting committee members K M Munshi and N Gopalswamy Ayyangar.
- ❖ Hindi is one of the two official languages of the central government.
- ❖ It is among the 22 languages in the 8th Schedule.
- ❖ Hindi is the most widely spoken, with 52.8 crore individuals, or 43.6% of the population, declaring it as their mother tongue.
- ❖ The next highest is Bengali, mother tongue for 9.7 crores (8%).
- ❖ Nearly 13.9 crore (over 11%) reported Hindi as their second language.

### **World Lymphoma Awareness Day - September 15**

- ❖ This day is dedicated to raising awareness of lymphoma, an increasingly common form of cancer.
- ❖ It is a global initiative hosted by the Lymphoma Coalition.
- ❖ The day is dedicated to raising awareness about lymphoma and the particular emotional and psychosocial challenges facing patients and caregivers suffering from different forms of lymphoma.
- ❖ Lymphoma is a cancer of the lymphatic system, which is part of the body's germ-fighting network.

### **National Engineer's Day - September 15**

- ❖ This day recognise and honour the achievements of the great engineer Mokshagundam Visvesvaraya.
- ❖ Along with India, Visvesvaraya's great works are also celebrated in Sri Lanka and Tanzania on September 15 as Engineer's Day.
- ❖ He patented and installed an irrigation system with water floodgates at a reservoir near Pune to raise the water supply level and storage.
- ❖ The irrigation system was later installed at Gwalior's Tigra Dam and Mysuru's Krishnaraja Sagara (KRS) dam.
- ❖ He was awarded 'Bharat Ratna' for his exceptional contribution to the building of India in 1955.
- ❖ He has also conferred the British knighthood.
- ❖ And he served as Diwan of Mysore from 1912 to 1918.



### **International Day of Democracy - September 15**

- ❖ This day was established after a resolution was passed by the United Nations General Assembly in 2007.
- ❖ The theme for the day is focused on the “importance of media freedom to democracy, peace, and delivering on the Sustainable Development Goals”.
- ❖ The idea of celebrating the International Day of Democracy stems from the Universal Declaration on Democracy.
- ❖ It was adopted by the Inter-Parliamentary Council in its 161th session on September 16, 1997.

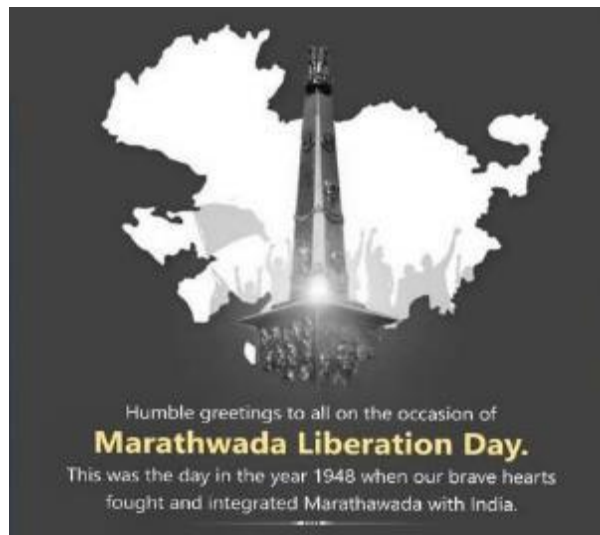
### **International Day for the Preservation of the Ozone Layer - September 16**

- ❖ This day is celebrated to create awareness about the importance of the ozone layer.
- ❖ The ozone is a protective layer in the earth's atmosphere.
- ❖ It absorbs most of the ultraviolet radiation reaching the earth from the sun.
- ❖ It is at an altitude of about 10 km (6.2 miles) containing a high concentration of ozone.
- ❖ World Ozone Day was first observed in the year 1995.
- ❖ The theme of World Ozone Day 2022 is 'Global Cooperation to Protect Life on Earth'

### **World Patient Safety Day - September 17**

- ❖ It aims to create awareness about different safety measures that should be taken to ensure patient safety.
- ❖ The day focuses on preventing and reducing risks, errors, and harm that patients face.
- ❖ This year, the theme of World Patient Safety Day 2022 is 'Medication Safety'.
- ❖ The slogan for the year is 'Medication Without Harm' with a call to action to 'Know, Check & Ask'.
- ❖ It was established in 2019 by the 72nd World Health Assembly.

### **Marathwada Liberation Day - September 17**



- ❖ The day is celebrated in commemoration of the anniversary of Operation Polo, which led to the annexation of Hyderabad into the Union of India.
- ❖ The Marathwada region of the present-day Maharashtra was a part of the then princely state of Hyderabad, which was under the Nizam's rule.
- ❖ Hyderabad's Nizam, Mir Osman Ali Khan, wished to continue his rule as either a self-governing monarchy or a protectorate of the British Empire and did not intend to join either India or Pakistan.
- ❖ The British government, on the other hand, refused to grant Hyderabad any kind of sovereignty.
- ❖ Hyderabad's population was predominantly Hindu and wished to reunite with India.
- ❖ The Nizam, a Muslim, was hesitant to join the Union of India.



- ❖ To maintain power, he even went to permit the formation of a private militia known as the Razakars.
- ❖ In the end, the talks between India and Hyderabad failed.
- ❖ India launched Operation Polo, a military operation against Hyderabad.
- ❖ On September 17, 1948, Nizam's army was forced to submit.
- ❖ And the state of Hyderabad became a part of the Union of India.

### **International Coastal Clean-up Day - September 17**



- ❖ This Day is traditionally held on the third Saturday in September.
- ❖ Coastal Cleanup Day was established by the Ocean Conservancy.
- ❖ The first International Coastal Cleanup Day was observed in 1986.
- ❖ The day aims to increase public awareness about the accumulation and negative impacts of litter in oceans, on coastlines and on beaches.

### **World Bamboo Day - September 18**

- ❖ It aims to raise awareness about the conservation of this extremely useful plant.
- ❖ This day was conceptualised by the World Bamboo Organisation.
- ❖ This day also promotes the bamboo industry by highlighting its concerns.
- ❖ The day officially at the 8th World Bamboo Congress held in Bangkok in 2009.

### **International Equal Pay Day - September 18**

- ❖ This day was first observed back in 1996 by the National Committee on Pay Equity.

- ❖ It was a coalition of women's and civil rights organisations that worked toward eliminating gender and race-based wage.
- ❖ The first International Equal Pay was observed on September 18, 2020.

### **World Water Monitoring Day - September 18**

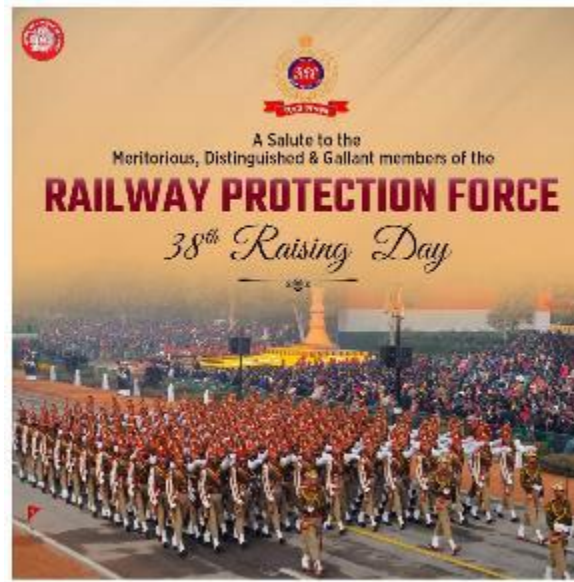
- ❖ It aims to increase public awareness and involvement in water monitoring and protecting water resources around the world.
- ❖ The theme of World Water Day 2021 is valuing water.
- ❖ The day was established in 2003 by America's Clean Water Foundation (ACWF) as a global educational outreach program.
- ❖ It is engaging citizens to conduct basic monitoring of their local water bodies.

### **International World Snakebite Awareness Day - September 19**

- ❖ It aims to raise awareness of one of the world's biggest hidden health crises.
- ❖ Each year, approximately 5.4 million people are bitten by a snake, of whom 2.7 million are injected with venom.
- ❖ Annually, this leads to 400,000 people being permanently disabled or disfigured and between 83,000-138,000 deaths.
- ❖ The awareness day was launched in 2018 by the Global Snakebite Initiative, Health Action International and the Lillian Lincoln Foundation.
- ❖ India accounts for approximately half of all global snakebite deaths reported and is responsible for 2.97 million bites each year.
- ❖ Around 70 per cent of deaths occur in eight states with over half of the total Indian population: Bihar, Jharkhand, Madhya Pradesh, Odisha, Uttar Pradesh, Andhra Pradesh (including Telangana), Rajasthan and Gujarat.

### **38th Raising Day of RPF**

- ❖ The Railway Protection Force (RPF) celebrated its 38th Raising Day on 20th September 2022.
- ❖ This is the first time that a National Level Parade of RPF was organized outside New Delhi.
- ❖ The Railway Protection Force was constituted by an Act of Parliament in 1957 for providing security to Railway property.
- ❖ 'Armed Force of the Union' status was bestowed upon the force on 20th September 1985 by amending the RPF Act by the Parliament.



### **International Red Panda Day - September 17**



- ❖ Every third Saturday of September is celebrated as International Red Panda Day.
- ❖ Red Pandas are native to the eastern Himalayas and southwestern China.
- ❖ They are an endangered species that are legally protected in countries like India, Nepal, Bhutan, and China.
- ❖ It aims to raise awareness regarding the conservation of these beautiful animals.
- ❖ This day was first observed in 2010.
- ❖ It was launched by the Red Panda Network, an organisation dedicated to the conservation of the animals.



### **World Alzheimer's Day - September 21**

- ❖ It aims to raise awareness about neurological disorders.
- ❖ Alzheimer's disease is the most common cause of dementia.
- ❖ It affects the person's memory, mental ability, and ability to carry out simple tasks.
- ❖ This Day was first marked on 21 September 1994.

### **World Peace Day - September 21**

- ❖ The International Day of Peace was established by the United Nations General Assembly in 1981.
- ❖ The first International Day of Peace was observed in 1982
- ❖ This is observed with the aim of a world where compassion and empathy overcome suspicion and hatred.
- ❖ This year observed with the theme "End racism. Build peace."

### **World Car free day - September 22**

- ❖ It aims to raise awareness about the many benefits of living without cars.
- ❖ These benefits include reducing pollution, promoting active and healthy lifestyles, and enhancing community interactions.
- ❖ The Day was launched by Carbusters in 2000.
- ❖ European Mobility Week is celebrated from 16 to 22 September by the European Union.

### **World Rhino Day - September 22**

- ❖ The day is celebrated to create awareness about the threats faced by 5 rhinoceros species living in Asia and Africa.
- ❖ The first world rhino day was announced by World Wildlife Fund South Africa in 2010.
- ❖ IUCN status of the five rhinoceros' species
  - Javan rhinos: critically endangered
  - Sumatran rhinos: critically endangered
  - Black rhinos: critically endangered



- White rhinos: near threatened
- Greater one horned rhino: vulnerable
- ❖ India is home to close to 80 per cent population of the world of the Greater One Horned Rhino.

### **International Day of Sign Languages - September 23**

- ❖ It aims to raise awareness of the sign languages that are recognised for the human rights of deaf people.
- ❖ Sign languages are proficient natural languages that are structurally different from the language spoken on a day-to-day basis.
- ❖ The first International Day of Sign Languages was observed in the year 2018.
- ❖ The theme for this year is 'Sign Language Unite Us.'

### **National Cinema Day - September 23**

- ❖ The day has been scheduled by the Multiplex Association of India.
- ❖ It celebrated as a 'thank you' to the moviegoers and an invitation to those who haven't made it back to the cinema after the Covid-19 pandemic.
- ❖ Multiplex Association of India (MAI) is a nationwide group of cinema operators.
- ❖ It was established in 2022 under the aegis of the Federation of Indian Chamber of Commerce and Industry.

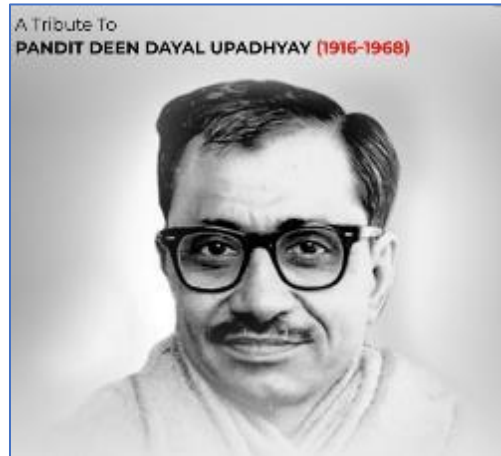
### **International Week of Deaf People 2022 - 19 to 25 September 2022**

- ❖ Every year, the full week ending on the last Sunday of September is observed as the International Week of the Deaf.
- ❖ The theme of the 2022 International Week of Deaf People is "Building Inclusive Communities for All".
- ❖ It is an initiative of the World Federation of the Deaf (WFD),
- ❖ It was first launched in 1958 in Rome, Italy.
- ❖ It aims to commemorate the month when the first World Congress of the WFD was held.



### **Antyodaya Divas - September 25**

- ❖ It marks the birth anniversary of Indian leader Pandit Deendayal Upadhyaya.
- ❖ Antyodaya means uplifting the poorest of the poor.
- ❖ This day aims at reaching the weakest section of the society.



### **World Lung Day - September 25**

- ❖ This day advocates lung health and spread awareness.
- ❖ Lung disease is any problem that arises in the lungs and prevents it from working properly.
- ❖ Lung disease is divided into three main types - airway diseases, lung tissue diseases and lung circulation diseases.

### **World Pharmacists Day - September 25**

- ❖ It aims to honour all medical specialists who provide their services with empathy and understanding.
- ❖ The International Pharmaceutical Federation (FIP) Council first announced World Pharmacist Day in 2009 at the World Congress of Pharmacy and Pharmaceutical Sciences in Istanbul, Turkey.
- ❖ This day in 1912 saw the establishment of FIP.

### **International Daughter's Day - September 25**

- ❖ This day is observed every year on the fourth Sunday of September.
- ❖ This year, the day is being celebrated on Sunday, September 25.



- ❖ This day is celebrated to cherish our daughters who bring love and happiness to our lives.

### **World Contraception Day - September 26**

- ❖ It aims to raising awareness of family planning and contraceptive information.
- ❖ It is an annual global campaign that emphasises the value of reproductive health while shedding light on birth control options.
- ❖ It was first observed on September 26<sup>th</sup> in 2007.

### **International Day for the Total Elimination of nuclear weapons - Sep 26**

- ❖ The aim of the day is to enhance public awareness about the threat posed to humanity by nuclear weapons and the necessity for their total elimination.
- ❖ The General Assembly endorsed the objective of general and complete disarmament in 1959.
- ❖ The first Special Session of the General Assembly Devoted to Disarmament, held in 1978.
- ❖ On July 7, 2017, the Treaty on the Prohibition of nuclear weapons was adopted.
- ❖ This Treaty is so important since it is the first multilateral legally-binding instrument for nuclear disarmament to have been negotiated in 20 years.

### **World Tourism Day - September 27**

- ❖ This day is celebrated every year to focus on promoting tourism in various parts of the world.
- ❖ It was initiated by the United Nations World Tourism Organisation (UNWTO).
- ❖ The theme of World Tourism Day 2022 is 'Rethinking Tourism'.
- ❖ The World Tourism Organisation (UNWTO) started World Tourism Day in 1979.
- ❖ The celebrations for the same officially began in 1980.
- ❖ This date marks the anniversary of the adoption of the Statutes of UNWTO.

### **World Rivers Day - September 25**

- ❖ It aims to raise awareness regarding water bodies and to promote their conservation.
- ❖ It is observed every year on the fourth Sunday of September.

- ❖ This year it falls on September 25.
- ❖ The theme for this year's is 'The importance of Rivers to Biodiversity'.

### **World Environmental Health Day - September 26**

- ❖ It aims to raise awareness regarding the health of our environment.
- ❖ The day was established on September 26, 2011 by the International Federation of Environmental Health (IFEH).
- ❖ The theme for this year is "Strengthening Environmental Health Systems for the implementation of the Sustainable Development Goals".

### **International Day for Universal Access to Information - September 28**

- ❖ On 17 November 2015, the UNESCO has declared 28 September as International Day for Universal Access to Information.
- ❖ Universal access to information means that everyone has the right to seek, receive and impart information for healthy and inclusive knowledge societies.
- ❖ The theme of this year is "Artificial Intelligence, e-Governance and Access to Information".

### **World Rabies Day - September 28**



- ❖ It pays tribute to Louis Pasteur – the inventor of the first effective rabies vaccine in the world.
- ❖ The day is observed to promote the fight against Rabies, raise awareness of its prevention, and celebrate the achievements the world has made against this deadly disease.
- ❖ Theme of this year is 'Rabies: One Health, Zero Deaths.'

- ❖ The first-ever World Rabies Day campaign took place back in 2007.
- ❖ Rabies is a fatal but preventable viral disease.
- ❖ It is spread to people from the saliva of infected animals.

### **World Heart Day - September 29**

- ❖ It aims on increasing awareness about cardiovascular diseases and how to control them to negate their global impact
- ❖ The World Heart Day 2022 theme is 'Use heart for every heart'.
- ❖ This was originally celebrated on September 24, 2000.

### **International Translation Day - September 30**

- ❖ It aims to raise awareness about the translation profession and bring awareness about languages.
- ❖ It also aims to pay tribute to the work of language professionals.
- ❖ UN celebrates the feast of St. Jerome, the Bible translator, who is considered the patron saint of translators.
- ❖ Jerome died near Bethlehem on September 30, 420 of AD.
- ❖ The theme of this year is 'A World Without Barriers'.



## MISCELLANEOUS

### Blue Transformation Roadmap (2022-2030)

- ❖ The Food and Agriculture Organization has recently released Blue Transformation Roadmap (2022-2030).
- ❖ It gives importance to the aquatic food system as the driver of employment, inclusive growth, SDGs and environmental recovery.
- ❖ It aims Coordinate efforts by countries, communities and agencies to maximize the contribution of the aquatic (both freshwater and saltwater) food systems to food security.
- ❖ It re-emphasizes the 2021 Declaration for sustainable Fisheries and Aquaculture of the Committee on Fisheries.



### The Gender Snapshot 2022

- ❖ The report entitled “Progress on the Sustainable Development Goals (SDG): The Gender Snapshot 2022” was launched recently.
- ❖ It was authored by the United Nations (UN) Women and the UN Department of Economic and Social Affairs (UN DESA).
- ❖ By the end of 2022, around 383 million women and girls will live in extreme poverty compared to 368 million men and boys.



- ❖ It will take close to 300 years to achieve full gender equality at the current rate of progress.
- ❖ Progress must be 17 times faster than last decade's progress of the last decade, to eradicate child marriage by 2030.
- ❖ In 2021, about 38% of female-headed households in war-affected areas experienced moderate or severe food insecurity, compared to 20% of male-headed households.
- ❖ Over 1.2 billion women and girls of reproductive age (15-49) live in countries and areas with some restrictions on access to safe abortion.



## Fortune India rich list 2022

- ❖ The wealth of 142 billionaires based in India is collectively worth USD 832 billion (Rs 66.36 trillion).
- ❖ Asia's richest man Gautam Adani has overtaken Amazon founder Jeff Bezos to become the 3rd richest person in the world.
- ❖ He became India's richest man with a net worth of USD 129.16 billion (Rs. 10.29 trillion)

INDIA'S TEN RICHEST IN 2022				
Rank	Name	Value (₹trn)	\$bn	
1	Gautam Adani	10.29	129.16	\$ \$ \$ \$ \$
2	Mukesh Ambani	7.55	94.57	\$ \$ \$ \$ \$
3	Shapoor Mistry & Cyrus Mistry family	2.57	32.35	\$ \$ \$ \$ \$
4	Radhakishan Damani	2.19	27.53	\$ \$ \$ \$ \$
5	Azim Premji	1.74	21.94	\$ \$ \$ \$ \$
6	Cyrus Soli Poonawalla	1.62	20.42	\$ \$ \$ \$ \$
7	Shiv Nadar	1.57	19.73	\$ \$ \$ \$ \$
8	Kumar Mangalam Birla	1.53	19.25	\$ \$ \$ \$ \$
9	Adi Godrej & family	1.40	17.60	\$ \$ \$ \$ \$
10	Shekhar Bajaj, Niraj Bajaj, Rajiv Bajaj & Sanjiv Bajaj	1.21	15.21	\$ \$ \$ \$ \$

Note: The wealth estimate is based on stock prices as on August 16, 2022; the rupee-dollar exchange rate considered is 79.74, as of August 12

## Nomination for World Heritage List

- ❖ Hoysala temples of Belur, Halebid and Somnathapura in Karnataka have been finalised as India's nomination for consideration as World Heritage sites for the year 2022-2023.
- ❖ All three Hoysala temples are protected monuments of the Archaeological Survey of India.
- ❖ If the Hoysala temples attain this status, these monuments will be fourth on the state's list of World Heritage Sites.



- ❖ The other three includes

- The Hampi Monuments of Vijayanagara,
- Pattadakallu Temples complex of the Chalukyan era and
- The Western Ghats.
- ❖ A World Heritage site is classified as a natural or man-made area or a structure that is of international importance, and a space that requires special protection.

### **Patent for 3D-printed rocket engine**



- ❖ Agnikul Cosmos has secured its first patent for the design and manufacturing of its 3D-printed rocket engine.
- ❖ The patent has been rewarded to the company for its Agnilet rocket engine.
- ❖ This will power the company's Agnibaan rocket that is scheduled to launch later this year.
- ❖ Agnikul Cosmos is one of India's private space startups
- ❖ Agnilet is a single-piece engine.
- ❖ It is the world's first single-piece 3D printed rocket engine fully designed and manufactured in India.
- ❖ It was successfully test-fired in early 2021.

### **IBM Quantum Network**

- ❖ Indian Institute of Technology Madras (IIT-Madras) has become the first Indian institution to join the IBM Quantum Network.
- ❖ It aims to advance quantum computing skills development and research in India.
- ❖ As a member of the IBM Quantum Network, IIT Madras will get cloud-based access to IBM's most advanced quantum computing systems.
- ❖ The IBM Quantum Network will provide our faculty with direct access to state-of-the-art quantum hardware and software.

## **Masters in Management (MiM) Ranking 2022**

- ❖ Financial Times has released its Financial Times Masters in Management (MiM) Ranking 2022.
- ❖ It ranks the world's best business schools on 16 different criteria.
- ❖ The list marks the 100 best business schools in the world for master's programmes.
- ❖ The University of St Gallen, Switzerland maintained its status as number one on the list for the 12th consecutive year.
- ❖ HEC Paris and Rotterdam School of Management, Erasmus University, Netherlands, took the second and third spots respectively.
- ❖ France was one of the most represented countries on the list with 25 entries to its name.
- ❖ India saw seven entrants to the list.
- ❖ The Indian Institute of Management, Bangalore, finding the top place among Indian institutions at 31.
- ❖ The institution has jumped up from rank 47 in 2021.
- ❖ Other Indian institutions on the list include SP Jain Institute of Management & Research (SPJIMR) - Rank 44, Indian Institute of Management Lucknow (IIM-L) - 64, Indian Institute of Management Udaipur (IIM-U) - 81, Indian Institute of Management Indore (IIM-I) - 89, NMIMS Mumbai- 96, and International Management Institute New Delhi - 97.



## **Global Crypto Adoption Index 2022**

- ❖ Chainalysis published its global crypto adoption index for 2022.
- ❖ Vietnam is ranked first in cryptocurrency adoption for the second consecutive year.
- ❖ India stood at 4th rank and two spots down from last year.
- ❖ The report noted, "Out of our top 20 ranked countries, 10 are lower-middle income."

- ❖ The Indian government still hasn't laid out a proper regulatory framework for the cryptocurrency industry except for the 30% crypto tax which came into effect on July 1 of this year.

Country	Overall index ranking	Overall index score	Controlled service value received ranking	Retail centralized service value received ranking	P2P exchange trade volume ranking	DeFi value received ranking
Vietnam	1	1.020	5	5	2	7
Philippines	2	0.753	4	4	66	13
Ukraine	3	0.694	6	6	39	10
India	4	0.663	1	1	62	1
United States	5	0.653	3	3	111	3
Pakistan	6	0.609	10	10	50	22
Brazil	7	0.562	7	7	113	8
Thailand	8	0.560	12	12	61	5
Russia	9	0.541	8	8	109	11
China	10	0.535	2	2	144	6
Nigeria	11	0.521	18	18	17	20
Turkey	12	0.519	9	9	121	19

### Best zoo in the country

- ❖ The Padmaja Naidu Himalayan Zoological Park in West Bengal's Darjeeling has been adjudged the best zoo in the country.
- ❖ There are around 150 zoos across the country.
- ❖ Kolkata's Alipore Zoological Garden has secured the fourth position.
- ❖ As per the list, the Arignar Anna Zoological Park in Chennai has secured the second position.
- ❖ It is followed by the Sri Chamarajendra Zoological Gardens in Mysore, Karnataka.

### HOW BENGAL FARED

**Overall ranking | Darjeeling zoo (1st), Alipore zoo (4th)**

**Medium category | Darjeeling zoo (1st), Alipore zoo (2nd), Jhargram zoo (4th)**





## Global Registry of Fossil Fuels

- ❖ Global Registry of Fossil Fuels is the world's first public database on fossil fuel reserves, production and emissions.
- ❖ The Global Registry of Fossil Fuels is the "first-ever fully transparent" public database that tracks fossil fuels across the world.
- ❖ It was launched by the Carbon Tracker and Global Energy Monitor.
- ❖ It was released to coincide with the two important international climate talks – the UNGA, which is set to commence in New York on September 13 and COP27.
- ❖ It will be organized in Sharm el-Sheikh, Egypt in November.
- ❖ This inventory has data from more than 50,000 oil, gas and coal fields in 89 countries.
- ❖ This accounts for 75 per cent of global production.



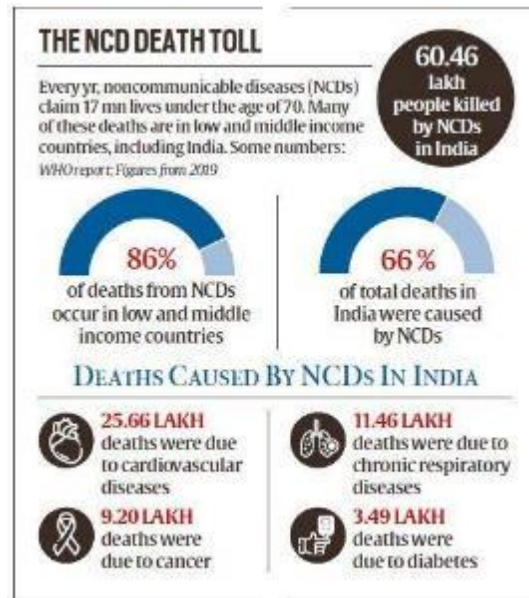
## Nizam's Sword



- ❖ A 14th century ceremonial sword that was sold in Hyderabad to a British General in the early 20th century is set to return to India.
- ❖ The sword was exhibited by Mahbub Ali Khan, Asaf Jah VI, Nizam of Hyderabad (1896-1911) at the 1903 Delhi or Imperial Durbar.
- ❖ The tulwar (sword) was purchased in 1905 by General Sir Archibald Hunter, Commander-in-Chief, Bombay Command (1903-1907).

- ❖ This was sold by Maharaja Sir Kishen Pershad Bahadur Yamin us-Sultanat, the Prime Minister of Hyderabad

## WHO Report on Non communicable Diseases



- ❖ WHO released a report named 'Invisible numbers – the true scale of non-communicable diseases'.
- ❖ Every two seconds, one person under the age of 70 dies of a non-communicable disease (NCD).
- ❖ 86 per cent of those deaths occurring in low- and middle-income countries.
- ❖ In India, 66 per cent of total deaths were due to NCDs in 2019.
- ❖ The World Health Organisation (WHO) has also launched a portal.
- ❖ For the first time, this portal brings together all WHO data related to NCDs for 194 countries.
- ❖ Over 60.46 lakh people died due to NCDs in India in 2019.
- ❖ Over 25.66 lakh deaths in 2019 in the country were due to cardiovascular diseases.
- ❖ 11.46 lakh deaths were due to chronic respiratory diseases.
- ❖ Cancer led to 9.20 lakh deaths while 3.49 lakh deaths in the country were attributed to diabetes.

