

PRACTICE **MOCK**

**STAY  
UPDATED**

September 2022 - Week 4

# WEEKLY CURRENT AFFAIRS

Stay updated on all the important news of the fourth week of September 2022

**DOWNLOAD FREE PDF**



## Contents

NATIONAL AFFAIRS .....	3
STATES AFFAIRS.....	11
INTERNATIONAL AFFAIRS.....	14
REPORTS & INDICES .....	15
GOVERNMENT SCHEMES & PROGRAMMES.....	18
BUSINESS & ECONOMY.....	22
BANKING & FINANCE.....	28
RBI IN NEWS.....	32
AWARDS & RECOGNITION .....	32
BOOKS & AUTHORS.....	36
PERSON IN NEWS .....	36
OBITUARIES.....	39
SPORTS.....	40
IMPORTANT DAYS .....	41
Other Important Study Material to help you with your preparation .....	43

PRACTICE MOCK

SBI PO 2022

Take a **FREE** Mock Test  
Get Your All India Rank

PRACTICE MOCK

## NATIONAL AFFAIRS

1. The Indian Coast Guard (ICG) has inducted 'Samarth' to strengthen the coastal security mechanism. The ship has been based at **Kochi** from Goa under the operational command of Coast Guard District Headquarters-4 (Kerala & Mahe), Kochi.

### **Indian Coast Guard Ship (ICGS) Samarth:**

- It is a 105 meter-long ship and can attain a maximum speed of 23 knots (approx 43 Kmph).
  - The ship is equipped with an integrated bridge management system (IBMS), integrated platform management system (IPMS), power management system (PMS) and a high power external fire fighting (EFF) system.
  - The ship is designed to carry a twin engine helicopter and four high speed boats, including two inflatable boats for boarding operations, search and rescue, law enforcement and maritime patrol.
  - The ship has a modern surveillance system and has the power to contain oil spills in the sea.
2. The Indian Space Research Organisation (ISRO) has successfully tested a **30 kN hybrid motor** at the ISRO Propulsion Complex (IPRC) at Mahendragiri in **Tamil Nadu**. The test has been conducted by **Vikram Sarabhai Space Centre (VSSC)** with support from the Liquid Propulsion Systems Centre (LPSC).
    - This test paves the way for a new propulsion system for the forthcoming launch vehicles.
    - The motor used Hydroxyl-terminated polybutadiene (**HTPB**) as fuel and liquid oxygen (LOX) as the oxidiser.
    - The use of liquids facilitates throttling, and the control over the flow rate of LOX enables the re-start capability.
  3. Indian Navy has launched two **Diving Support Vessels (DSVs), 'Nipun' and 'Nistar'**, in Visakhapatnam, Andhra Pradesh. The two vessels have been manufactured indigenously by **Hindustan Shipyard Limited (HSL)**.
    - DSV Nistar and Nipun have a displacement of 9,350 tonnes with 118.4 metres long and 22.8 metres breadth.
    - The DSVs can conduct submarine rescue operations when required with its Deep Submergence Rescue Vehicle (DSRV).
    - These vessels will also be able to perform sustained patrolling, search and rescue missions, and Helicopter Operations on the high seas.
  4. The Government of India (GoI) has formed a 5-member high-level committee to review the marketing practices of pharmaceutical companies in India. The committee will be chaired by **V K Paul**, member (health) of NITI Aayog.

**Members:**

S Aparna, Secretary in Department of Pharmaceuticals (DoP); Rajesh Bhushan, Secretary in the Ministry of Health and Family Welfare (MoHFW); Nitin Gupta, Chairman of the Central Board of Direct Taxes (CBDT); and a joint secretary (policy) from the Department of Personnel (DoP) are the four other members of the committee.

The committee is expected to submit its report in **90 days**.

Currently, publicity and promotion by pharma companies is supervised under the Uniform Code of Pharmaceutical Marketing Practices (UCPMP), the Indian Medical Council Regulations, 2002, and also by CBDT.

5. The Government of India (GoI) has approved the setting up of an **Exports Promotion Council (EPC)** for Medical Devices under the aegis of the Department of Pharmaceuticals (**DoP**), which is a part of the Ministry of Commerce & Industry.
- **Objective:** To boost exports of medical devices.
  - The EPC will be headquartered in Yamuna Expressway Industrial Development Authority (**YEIDA**), **Greater Noida**, Uttar Pradesh and will have regional offices in Visakhapatnam (Andhra Pradesh) and Hyderabad (Telangana).
  - The council will help exporters in promoting their products in international markets.
  - The council will be overseen by a committee of administration, which will have both nominated and elected members from the government and medical devices industry.

An initial funding of Rs.3 crore will be provided by the government for setting up the headquarters at the upcoming Medical Devices Park Common Facility Centre (CFC).

**Note:** Indian medical devices market is the fourth largest in Asia. 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**.

6. The five palm oil importing countries of South Asia, **India, Pakistan, Bangladesh, Sri Lanka and Nepal** have announced the setting up of **Asian Palm Oil Alliance (APOA)** during the 25<sup>th</sup> Globoil Summit 2022 held in Agra, Uttar Pradesh. The aim is to strengthen collective bargaining power and make oil imports sustainable.

**Chairman: Atul Chaturvedi**, Director of Adani Wilmar Limited, and the President of Solvent Extractors' Association of India (SEA), has been appointed as the first chairman of the APOA.

**Headquarters:** APOA secretariat will be initially managed by the Solvent Extractors' Association of India (SEA).

The alliance will work towards ensuring that palm oil is recognised as a high-quality, economical, and healthy vegetable oil and to change the negative image of palm oil.

The next meeting of the APOA is expected to be held in **Indonesia** early 2023.

**Note:** India is the largest importer of palm oil in Asia and in the world, accounting for 15% of global imports, followed by China (9%), Pakistan (4%) and Bangladesh (2%).

**Palm Oil**

It is edible vegetable oil produced from palm fruit of *Elaeis Guineensis* (African oil Palm) or *Elaeis Oleifera* (indigenous to South and Central America). It is rich in Vitamin A and E with no trans fatty acids; commonly used in food products and industrial applications.

7. The **Indian Space Research Organisation (ISRO)** has developed the **Microprocessor-Controlled Knees (MPKs)**, an intelligent artificial limb, which will benefit above-knee amputees to walk with a comfortable gait.
- Vikram Sarabhai Space Centre (**VSSC**), ISRO, has developed these MPKs under a Memorandum of Understanding (MoU) with National Institute for Locomotor disabilities (NILD), Pt. Deendayal Upadhyaya National Institute for Persons with Physical Disabilities (Divyangjan) (PDUNIPPD (D)), and Artificial Limb Manufacturing Corporation of India (ALIMCO).
  - A **1.6 kg** MPKs will offer extended capabilities for the amputee than those offered by the passive limbs that do not use the microprocessors.
  - An MPK consists of a microprocessor, hydraulic damper, load & knee angle sensors, composite knee-case, Li-ion battery, electrical harness, and interface elements.
8. The Government of India (GoI) has launched an Indian Sign Language (ISL) dictionary mobile application called '**Sign Learn**' with 10,000 words. The app has been launched by Minister of State for Social Justice and Empowerment Pratima Bhounik.
- Sign Learn is based on the Indian sign language dictionary of the **Indian Sign Language Research and Training Centre (ISLRTC)**.
  - The app is available in Android as well as iOS versions, and all the words in the ISL dictionary can be searched through Hindi or English medium.

**e-content of NCERT with ISLRTC:**

- On 6<sup>th</sup> October 2020, ISLRTC had signed an MoU with the National Council of Educational Research and Training (**NCERT**) for converting NCERT textbooks from Classes 1 to 12 into the Indian Sign Language (digital format) to make the textbooks accessible to children with hearing disabilities.
  - This year, ISL e-content of NCERT textbooks of Class 6 was launched.
  - Under Azadi ka Amrit Mahotsav, the Centre had launched ISL versions of selected books of National Book Trust's '**Veergatha**' series.
  - With the joint effort of ISLRTC and NCERT, 500 academic words in Indian Sign Language were launched. These academic words are used at the secondary level which are often used in history, science, political science and mathematics.
9. Prime Minister Narendra Modi has inaugurated a two-day **National Conference of Ministers of Environment, Forest and Climate Change** held in **Ekta Nagar**, Gujarat.

The conference has six 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.

During the conference, the Ministry of Environment, Forest and Climate Change (MoEFCC) has announced to launch the '**Swachh Vayu Sarvekshan**' programme to promote the ranking of **131 cities** in the country for implementing City Action Plans prepared as part of the National Clean Air Programme (NCAP) for reducing air pollution upto **40%** by **2025-26**.

The ranking will be based only on the *actions* taken by the cities to improve the air quality in different domains and not on the measurement of the air quality parameters to rank the cities.

131 cities are categorized into three groups based on population.

- **First group:** 47 cities having population more than 10 lakh
- **Second group:** 44 cities having population between 3 to 10 lakh
- **Third group:** 40 cities having population less than 3 lakh

Annual self-assessment by cities as per the framework provided on PRANA (Portal for Regulation of Air-pollution in Non-Attainment cities) online portal.

Cities have to report implementation of activities and measures taken in respect of solid waste management, road dust management, management of construction and demolition waste, control of vehicular emissions and industrial pollution.

Three best-performing cities in each group will be given cash awards in spirit of *competitive federalism*

10. Union Science and Technology Minister, **Dr Jitendra Singh** has recently led a high-level Joint Indian Ministerial Delegation of Ministry of Power, New & Renewable Energy and Ministry of Science & Technology to participate in the first-ever "**Global Clean Energy Action Forum 2022**", a joint convening of the 7th Mission Innovation and 13th Clean Energy Ministerial 2022, at **Pittsburgh**, Pennsylvania in USA.

He has also addressed the Roundtable on "**Net Zero Built Environment with Connected Communities**".

During the 1st Roundtable on "Sustainable Bioenergy and Bio-refineries" at the Global Clean Energy Action Forum 2022, Dr Jitendra Singh has launched the "**Innovation Roadmap of the Mission Integrated Bio refineries**" developed by co-leads and active inputs from Brazil, Canada, EC and the UK.

Dr Jitendra Singh has also declared that India had created a Roadmap and Strategy for A Bio-Based Economy that is expected to reach **USD 150 billion** by **2025**.

The International Solar Alliance (**ISA**), an alliance of 121 signatory countries, has established a **Corporate Advisory Group (CAG)** on the sidelines of the 13<sup>th</sup> Clean Energy Ministerial at Pittsburgh.

- **Pranav R. Mehta** will serves as Chairman of CAG.

It has been announced that **India** will host the **14<sup>th</sup> Clean Energy Ministerial** in July 2023.

**11. India** as an **observer** has attended the Partners in the Blue Pacific (**PBP**) **Foreign Ministers meeting** to support the Pacific region in the United States (US).

- Six prospective Lines of Effort and initial projects for PBP have been discussed, aligned with the thematic areas of the Forum's 2050 Strategy.
- The Lines of Effort discussed include: Climate Change Resilience, Adaptation, and Disasters.
- Other attendees included representatives from Australia, Fiji, French Polynesia, Japan, Kiribati, Nauru, New Zealand, Niue, Palau, Papua New Guinea, Republic of Marshall Islands, Samoa, Solomon Islands, Tonga, the United Kingdom, the United States, and Vanuatu, as well as Canada, France, Germany, Republic of Korea, the Pacific Islands Forum, and the European Union.

**Partners in the Blue Pacific (PBP):**

It is the initiative of the **United States** and allied countries namely **Australia, Japan, New Zealand and the United Kingdom**. It seeks to enhance “prosperity, resilience, and security” in the Pacific by closer cooperation among the member nations.

**12.** Union Minister of State for Science and Technology, Dr Jitendra Singh, who is also the Vice President of CSIR, has launched '**One Week One Lab**' theme-based campaign to showcase the technological breakthroughs and innovations in each of the **37** Council of Scientific & Industrial Research (**CSIR**) laboratories/institutes across India.

CSIR breakthroughs in areas like Drone, Heliborne technology, state of the art Sewage cleaning machines, Aroma Mission has opened up huge opportunities for developing meaningful and equal stake partnership among Research, Academia and Industry.

**Council of Scientific & Industrial Research (CSIR):**

CSIR was incorporated by the Government of India in 1942 as an autonomous body. It is the largest research and development organisation in India. The President of CSIR is **Prime Minister of India**, and Vice President is Minister of Science & Technology. The Director General is the head of the governing body.

- **Director-General:** Dr. N Kalaiselvi
- **Headquarters:** New Delhi

**13.** Union Minister of Petroleum and Natural Gas & Housing and Urban Affairs, Hardeep Singh Puri, has launched "**AVGAS 100 LL**", special aviation fuel meant for piston engine aircrafts and Unmanned Ariel Vehicles (UAV), at an event organized at Hindan Airforce Station, Ghaziabad, Uttar Pradesh.

- **Indian Oil Corporation Ltd. (IOCL)** has become the first oil marketing company to produce and market "AVGAS 100 LL" in India.
- IOCL provides AVGAS 100 LL in its flagship refinery in Vadodara, Gujarat.

At present, India is importing AVGAS 100 LL from European countries.

**AVGAS 100 LL:**

- Principal grade of Aviation Gasoline, AVGAS 100 LL is designed for use in turbo charged reciprocating piston engines aircrafts, mainly used by Flying Training Organisations (FTOs) and defence forces for training pilots.
- It is certified by Directorate General of Civil Aviation (DGCA), the statutory body of the Government of India to regulate civil aviation in India.
- It is a higher-octane Aviation fuel meeting the product specifications with superior performance quality standards, as compared to imported grades.

**Note:** AV Gas market is expected to grow from the current USD1.92 billion to USD 2.71 billion by 2029.

**14.** Union Minister of State for Rural Development and Steel, Fagga Singh Kulaste has launched the **"JALDOOT App"** and JALDOOT App e-brochure at a function in New Delhi.

**JALDOOT App:**

- JALDOOT app has been jointly developed by **Ministry of Rural Development and Panchayati Raj**.
- This app will be used across the country to capture the water level of selected 2-3 wells in a village.
- The app will enable Gram Rojgar Sahayak (**GRS**) to measure the water level of selected wells twice a year (pre-monsoon (1<sup>st</sup> to 31<sup>st</sup> May) and post-monsoon (1<sup>st</sup> to 31<sup>st</sup> October)).
- The app will facilitate panchayats with robust data, which can be further used for better planning of works.
- The ground water data could be utilised as part of the Gram Panchayat Development Plan (GPDP) and Mahatma Gandhi NREGA planning exercises.

**15.** The **Indian Naval Ship (INS) Sunayna**, a 2<sup>nd</sup> Saryu-class Naval Offshore Patrol Vessel (NOPV), has recently participated in the capacity-building exercise Operation Southern Readiness conducted by Combined Maritime Forces (CMF) at Seychelles. The joint training exercise is being attended by representative delegations from USA, Italy, Australia, Canada, New Zealand and ship participation from UK, Spain & India.

**16.** The Union Cabinet chaired by Prime Minister Narendra Modi has approved the following proposals:

**(a) Redevelopment of 3 major railway stations:**

The Union Cabinet has approved a proposal for the redevelopment of 3 major railway stations with an approximate total investment of nearly **Rs.10,000 crores**. The stations will be equipped with modern infrastructure and better facilities to tackle heavy foot traffic of passengers. These stations will be redeveloped using Green Building Techniques with solar energy, water conservation/recycling and improved tree cover. They will be integrated with other modes of transportation like metro, bus, etc.

Following three railway stations to undergo redevelopment are:

- 1) New Delhi Railway Station



- 2) Ahmedabad Railway Station
- 3) Chhatrapati Shivaji Maharaj Terminus (CSMT) Mumbai

**(b) MoU with Bangladesh on water withdrawal from Kushiara River:**

Cabinet has given its ex-post facto approval for a Memorandum of Understanding (MoU) between **India** and **Bangladesh** on withdrawal of upto **153 cusecs** of water each by India and Bangladesh from common border **River Kushiara**.

This MoU will enable Government of **Assam** to withdraw upto 153 cusecs of water from the common stretch of Kushiara River during dry season (1st November to 31st May) for their consumptive water requirement.

**(c) Extension of PMGKAY Scheme:**

Cabinet has approved the extension for the **PM Garib Kalyan Anna Yojana (PMGKAY)**, a free food handout scheme launched as a COVID-19 relief scheme in March 2020, for three months i.e. **October to December 2022**.

- The government will distribute 122 lakh metric tonnes of food grains under the **seventh phase** of this scheme.
- **Rs.44,762 crore** will be spent as subsidy for this phase.

This scheme provides every individual covered under the National Food Security Act, 2013 (NFSA) with an additional 5 kg of grains (rice or wheat) free of cost, along with the 5 kg of subsidized food grain that is already being provided through the Public Distribution System (PDS).

**(d) 4% hike in DA for Central Government Employees:**

Cabinet has approved the release of additional instalment of **Dearness Allowance (DA)** and **Dearness Relief (DR)** under 7<sup>th</sup> Pay Commission @ **4%** to central government employees and pensioners due from 1 July 2022 based on the percentage increase in 12 monthly average of All India Consumer Price Index for the period ending June 2022.

The 4% increase in DA and DR is over the existing rate of 34% of basic pay/pension. Thus, the effective rate of DA and DR will be **38%**.

Dearness Allowance is a cost of living adjustment paid to central government employees, while Dearness Relief is paid to central government pensioners.

**17.** The Ministry of Commerce & Industry (MoCI) has extended the existing **Foreign Trade Policy (FTP) 2015-20** by another six months till **March 2023**, with effect from 1<sup>st</sup> October 2022, due to unstable global economic and geo-political circumstances and currency fluctuations.

The existing FTP was set to expire on 30<sup>th</sup> September 2022, after being extended in April 2022. This is for a second time that the current policy has been extended since its launch in 2015.

**FTP:** It is a set of guidelines and instructions in matters related to the import and export of goods in India. It is formulated by the Director General of Foreign Trade under Ministry of Commerce and Industry every 5 years.

**Key statistics:**

- India's merchandise exports during April-August 2022 stood at **USD 192.59 billion** up by 17.12% from USD 164.44 billion in the same period in 2021.
- In the first five months of FY23, merchandise imports grew by 45.64% to **USD 317.81 billion** from USD 218.22 billion in the corresponding period last year.
- The trade deficit more than doubled to **USD 125.22 billion** (April - August 2022) compared to USD 53.78 billion in the same period in 2021.

**18.** The Department of Personnel and Training (DoPT), Ministry of Personnel, Public Grievances, and Pensions, has issued clarifications on how to recruit under the 10% reservation provided for **Economically Weaker Sections (EWS)**.

- As per DoPT, people belonging to Other Backward Classes (**OBC**) communities in the State list but not in the Central list will be eligible to apply for posts and services of the Government of India under the EWS quota criteria, provided they fulfill all other requirements.
- The DoPT has clarified that unfilled EWS vacancies for a particular recruitment year cannot be carried over to the next and that successive attempts to fill these vacancies with EWS candidates should be made.
- The unfilled vacancies may be filled up, treating them as unreserved provided it does not result in excess representation in the general category beyond the number added on account of non-availability of EWS candidate.
- The DoPT has made it clear that members of the Scheduled Castes or Scheduled Tribes will not be eligible to apply for Central government positions irrespective of where they reside (even if the State of residence does not recognise their community as an SC or ST).
- The DoPT has also clarified that "family" as defined for qualification of the EWS criteria will not include grandparents, or any siblings or children above the age of 18.

**19.** The Defence Research and Development Organisation (DRDO) has successfully tested the two flights of **Very Short Range Air Defence System (VSHORADS)**, from a ground-based portable launcher from Integrated Test Range, Chandipur, off the coast of Odisha.

VSHORADS is an indigenously designed and developed Man Portable Air Defence System (**MANPAD**) by DRDO's **Research Centre Imarat (RCI)**, Hyderabad, in collaboration with other DRDO laboratories and Indian Industry Partners.

**20.** The Ministry of Road Transport and Highways (MoRTH) has extended the deadline for implementation of the new battery testing standards, which were enforced amid rising cases of **EV (Electric Vehicle)** fires across the country. The standards, which were earlier supposed

to be implemented by 1<sup>st</sup> October 2022 will now be implemented in two phases. Phase-1 will begin on **December 1, 2022**, and Phase-2 will begin on **March 31, 2023**.

The new safety rules will cover key components of the battery system. They are battery cells, onboard charger, battery pack design, and thermal propagation, which can lead to internal cell short circuits causing a fire in the vehicle.

SBI PO 2022

Take a **FREE** Mock Test  
Get Your All India Rank

PRACTICE MOCK

## STATES AFFAIRS

**21.** The Government of Tamil Nadu has notified **India's first 'Dugong Conservation Reserve'** in the **Palk Bay** region, covering the coastal waters of Thanjavur and Pudukkottai Districts of Tamil Nadu with an area of 448 square kilometres.

### Dugong

- It is also called '**Sea Cow**'.
- It is a herbivorous mammal.
- They live in groups, grazing on seagrass and coming to the surface to breathe.
- They are found in over **30 countries**.
- **Australia** has the highest Dugong population due to coral reefs.
- Conservation Status: IUCN Red List Status: *Vulnerable*; CITES: Appendix I; and Wildlife Protection Act: Schedule 1.
- In India, they are seen in the Gulf of Mannar, Gulf of Kutch, Palk Bay, and the Andaman and Nicobar Islands.

**22.** **Nagaland Prison Department** has recently introduced mobile attendance application for Prison staff at the District Jail Kohima. The **Prison Staff Attendance** is a mobile app that aims to provide a comprehensive attendance management system that can make processes hassle-free and provide a seamlessly integrated system for monitoring and tracking the employee's attendance.

The mobile app has been launched by the State Prison Department in collaboration with Excellogics Technology Solution Private Limited.

**23.** The Government of India (GoI) has accorded the status of '**Maharatna**' Central Public Sector Enterprise (CPSE) to **REC Limited**, a Non-Banking Financial Company (NBFC), specialized in financing for energy sectors. Earlier, REC Limited was a Navratna company under the control of the Ministry of Power.

- REC Limited has become the **12<sup>th</sup> company** to join Maharatna CPSE club.
- The company can now make investments upto Rs.5000 crore or 15% of its web price, in a single mission after its Maharatna standing.

### **Maharatna Status:**

Maharatna status is accorded to a company that has recorded more than net profit of Rs 5,000 crore for three consecutive years or average annual turnover of Rs 25,000 crore for three years. In order to get the status, company should have the average annual net worth of Rs 15,000 crore for three years. Company should also have global footprints or operations.

### **Significance of this status:**

- To make quality investments
- To form financial joint ventures and wholly-owned subsidiaries
- To oversee mergers & acquisitions within India as well as abroad

**Note:** India has 12 Maharatna, 13 Navratna, and 74 Miniratna CPSEs.

24. The Government of **Chhattisgarh** has launched an innovative campaign '**Hamar Beti-Hamar Maan**' towards women's safety, especially for the safety of daughters, protection of their dignity, their convenience and providing them necessary services.
- Under the campaign, special women patrolling of police will be installed in girls' schools-colleges and prominent places with the presence of women and young women.
  - A mobile number will also be issued for the 'Hamar Beti-Hamar Maan' helpline.
25. The Chief Minister of Odisha Naveen Patnaik has released the five edited volumes of '**Encyclopaedia of Tribes in Odisha**', published by Scheduled Castes and Scheduled Tribes Research and Training Institute and Odisha State Tribal Museum. It has 418 research articles on the tribals, including 13 particularly vulnerable groups.
- With this, **Odisha** has become the first state of India to publish encyclopaedia on tribal communities.
  - Odisha is the third largest tribal populated state in India. The state has 62 tribal communities.
  - As per the 2011 Census, tribal people constitute 22.85% of Odisha's total population.
26. "**ALS 50**", an indigenous loitering munition (also known as a suicide drone), has been successfully tested by demonstrating its strike capability tests at Pokhran, Rajasthan.
- It is developed by **Tata Advanced Systems Limited (TASL)**.
  - It is an autonomous system that is designed for Vertical Take Off and Landing (**VTOL**).
  - This munition is capable of operating from challenging terrain and high-altitude zones.
  - It can accurately identify and target pre-set targets.

### **Loitering munition:**



It is also known as a *suicide drone* or *kamikaze drone*. It is an aerial weapon system category in which the munition loiters (waits passively) around the target area for some time and attacks only once a target is located.

27. The President of India, Droupadi Murmu, has inaugurated the **Integrated Cryogenic Engine Manufacturing Facility (ICMF)** of Hindustan Aeronautics Limited (HAL) in **Bengaluru**, Karnataka. She has also laid the foundation stone for the Zonal Institute of Virology (South Zone) virtually on the occasion.
- The ICMF facility is set up over an area of 4,500 square metres houses over 70 hi-tech equipment and testing facilities for manufacturing cryogenic (CE20) and semi-cryogenic (SE2000) engines of Indian rockets.
  - A Memorandum of Understanding (MoU) was signed between HAL and ISRO in 2013 to establish the facility for manufacturing cryogenic engine modules at HAL, Aerospace Division.
28. The National Tiger Conservation Authority (NTCA) has recently approved the **Ranipur Tiger Reserve in Chitrakoot** as the fourth tiger reserve of **Uttar Pradesh**, after Dudhwa Tiger Reserve in Lakhimpur, Pilibhit Tiger Reserve in Pilibhit, and Amangarh Tiger Reserve in Bijnor.
- The UP cabinet has also approved the notification of Ranipur Tiger Reserve under Section 38(v) of the Wild life (Protection) Act of 1972, which had previously been notified as Ranipur Wildlife Sanctuary in the Chitrakoot district.
  - The tiger reserve will span across 529.89 square kilometres (sq km), with a 299.58 sq km buffer zone and 230 sq km core area.
  - This will be the **first** Tiger Reserve in the **Bundelkhand region**.
  - This Tiger Reserve has tropical dry deciduous forests and is home to fauna such as tigers, leopards, sloth bears, etc.
  - A Ranipur Tiger Conservation Foundation will also be established for the protection and conservation of tigers in the region.
29. The Maharashtra Cabinet chaired by Chief Minister Eknath Shinde has approved to name the **Chipi airport** in Sindhudurg district after a prominent socialist leader, freedom fighter and former MP **Barrister Nath Pai**.
- The Chip Airport was formally inaugurated on 5<sup>th</sup> March 2019. The commercial flights started at the airport from 9<sup>th</sup> October 2021.
  - The year 2022 marks the birth centenary year of Nath Bapu Pai. He was born on 25<sup>th</sup> September 1971 in Vengurla, Maharashtra.
30. Lt General of Delhi V K Saxena has inaugurated the **'We Care'** initiative at an event organised at Kartvaya Path at India Gate on the occasion of 'Sewa Diwas', which is being celebrated to mark 72nd birthday of Prime Minister Narendra Modi. The aim is to spread awareness



among people about different schemes of the **Delhi Police** to maintain coordination and establish a police-public interface.

## INTERNATIONAL AFFAIRS

**31. Chinese Scientists** have successfully created the world's first cloned Arctic Wolf named '**Maya**'. The cloning of the Arctic wolf, also known as the white wolf or polar wolf, which is native to the High Arctic tundra of Canada's Queen Elizabeth Islands, is considered a milestone achievement in conserving rare and endangered species through cloning technology.

### Cloning:

It is the process of creating copies of living organisms, including cells, tissues, etc. It was first used to create an animal in 1996 by a Scottish scientist. The animal, a sheep named **Dolly**, was made using an udder cell from an adult sheep.

**32. The Israeli Navy** has successfully tested the newest generation of anti-ship missiles namely '**Gabriel V**' which is the 5<sup>th</sup> generation of the anti-ship missile developed by the Israeli Aerospace Industries and the Defence Ministry's Research and Development (MAFAT).

- It is a surface-to-surface missile, also known as the Blue Spear, and ANAM (Advanced Naval Attack Missile).
- The missile is installed in Sa'ar 6 corvettes (INS Oz).
- It is an advanced long-range sea-launched missile system capable of flying hundreds of kilometers in varying sea and air conditions.
- It has a range of 290 kilometres.
- It is equipped with an active radar seeker with superior anti-jamming capabilities and all-weather capabilities.

**33. China** has successfully launched two new Experimental satellites '**Shiyan-14**' and '**Shiyan-15**' using the **Kuaizhou-1A** carrier rocket from the Taiyuan Satellite Launch Center in the northern province of Shanxi, China. This marks the 18<sup>th</sup> flight mission of the Kuaizhou-1A series rocket.

- The name '**Shiyan**' means '**experiment**' in Chinese language.
- Shiyan-14 will be used for scientific experiments and new technology verification.
- Shiyan-15 will be used for land survey, urban planning, and disaster prevention, and mitigation.

**34.** A classified satellite for the **U.S.** National Reconnaissance Office has launched into orbit aboard a United Launch Alliance (ULA) Delta 4 Heavy rocket. The '**NROL-91**' spy satellite lifted

off from Vandenberg Space Force Base in California's Santa Barbara County. This is the last launch of a Delta 4 from the West Coast.

- The Deltas are replaced by ULA's next-generation Vulcan Centaur rockets.
- The Delta IV Heavy configuration first launched in December 2004.
- This is the 387th flight of a Delta rocket since 1960 and the 95th and final launch from Vandenberg.

**35.** The **Double Asteroid Redirection Test (DART)**, the world's first planetary defence technology demonstration, of the National Aeronautics & Space Administration (**NASA**) has successfully smashed into the asteroid **Dimorphos** 6.8 miles from Earth.

- DART targeted the asteroid moonlet Dimorphos, a small body with just 530 feet in diameter that orbits a larger asteroid Didymos which is 2,560 feet.
- The mission has been controlled at the John Hopkins Applied Physics Laboratory (APL) in Laurel, Maryland, USA.

**Note:** Dimorphos is an asteroid that was discovered in 1996 and is about 9.6 million kilometres from Earth.

**DART:**

DART is a low-cost spacecraft. It has two solar arrays and uses hydrazine propellant for maneuvering the spacecraft. The mission aims to test the new technology to be prepared in case an asteroid heads towards Earth in the future.

**36.** The Asian Development Bank (ADB) has announced a **USD 14 billion** funds to fight the food security crisis in the Asia Pacific, threatened by adverse climate and exacerbated by Russia-Ukraine war choking supply lines, triggering soaring food prices. The announcement has been made during the 55th annual meeting of ADB held in Manila, Philippines.

- USD 3.3 billion of the total funding is earmarked for 2022, the rest of USD 10.7 billion will be spread over 2023-25.
- The assistance from the funding programme seeks to leverage an additional USD 5 billion in private sector co-financing for food security.

ADB has lowered the economic growth forecast for Asia and the Pacific for 2022 to **4.3 percent** from its April projection of 5.2 percent. For 2023, it has been lowered to **4.9 percent** from 5.3 percent.

## REPORTS & INDICES

**37.** As per the "IIFL Wealth Hurun India Rich List 2022", India has 221 billionaires and Mumbai tops the list with 283 individuals, followed by New Delhi. And Bengaluru.

- **Gautam Adani** and family has topped the list with an estimated wealth of **Rs.10,94,400 crore**. He is followed by Mukesh Ambani and family (Rs.7,94,700 crore), and Cyrus Poonawalla and family (Rs.2,05,400 crore).

- Nykaa founder and CEO, **Falguni Nayar** has become *India's richest self-made woman* by surpassing Biocon chief Kiran Mazumdar-Shaw. She is also the richest female in India, followed by Rekha Jhunjhunwala of Rare Enterprises.

As per the "IIFL Wealth Hurun India 40 and Under Self-Made Rich List 2022", **Nikhil Kamath**, Co-founder of Zerodha, has topped the list with a net worth of Rs.17,500 crore, followed by Bhavish Agarwal, Co-founder of Ola.

- **Kaivalya Vohra**, co-founder of Zepto, a Bengaluru-based grocery delivery application, has become the youngest self-made rich individual.
- **Neha Narkhede**, an Indian-American, has become the 'youngest self-made woman entrepreneur' on the list.

**38.** According to a report (July 2022) released by the Department for Promotion of Industries and Internal Trade (DPIIT), Ministry of Commerce and Industry (MoCI), **Andhra Pradesh** has emerged as India's top investment destination, attracting investments worth Rs 40,361 crore between January-July 2022. Andhra Pradesh is followed by Odisha with Rs 36,828 crore.

- India's actual industrial investment between January and July stood at Rs.1,71,285 crore.
- Both Andhra Pradesh and Odisha accounted for 45% of total investment inflows to India during this period.

**39.** The Vice President of India, Jagdeep Dhankar, has released a report titled "**India Tourism Statistics 2022**" on World Tourism Day 2022 (27<sup>th</sup> September) at Vigyan Bhawan in New Delhi, The report is prepared by the Ministry of Tourism.

#### Key highlights of the report:

- **Maharashtra and Tamil Nadu** have emerged as the top destination for foreign tourists in 2021, with 1.26 million and 1.23 million foreign tourist visits, respectively, in 2021.
- India has received **677.63 million** domestic tourist visits in 2021, an increase of 11.05% from 610.22 million in 2020.
- The total number of foreign visitors in 2021-22 was **3,18,673**, a 23.4% decline from 4,15,859 in 2020-21.
- UAE was the leading source country for Indian National Departures (INDs), followed by the US, Qatar, Oman, the UK, the Maldives, Saudi Arabia, Canada, Bahrain, and Kuwait.
- The top countries from which foreign tourists arrived in India included the U.S., the U.K., Bangladesh, Canada, Nepal,
- Afghanistan and Australia.

#### **Top-5 Most popular Centrally Protected Ticketed Monuments for "Domestic Visitors" in 2021-22:**

- 1) Taj Mahal, Uttar Pradesh
- 2) Red Fort, Delhi
- 3) Qutub Minar, Delhi
- 4) Group of Monuments at Mamallapuram, Tamil Nadu

5) Agra Fort, Uttar Pradesh

**Top-5 Most popular Centrally Protected Ticketed Monuments for “Foreign Visitors” in 2021-22:**

- 1) Group of Monuments at Mamallapuram, Tamil Nadu
- 2) Taj Mahal, Uttar Pradesh
- 3) Tiger headed Rock cut temple & two other monuments, Saluvankuppam, Tamil Nadu
- 4) Agra Fort, Uttar Pradesh
- 5) Gingee Fort, Tamil Nadu

**Additional Information:**

Union Minister of Tourism, G.Kishan Reddy, has recently chaired the three-day **National Conference of State Tourism Ministers** held at **Dharamshala**, Himachal Pradesh. As per the projections made at the conference, India will return to its pre-pandemic level by mid-2024 and contribute **USD 250 billion** to the nation’s GDP by **2030**.

**40. S&P Global Ratings**, in its Economic Outlook for Asia Pacific, has retained India's economic growth at **7.3 percent** in the current fiscal 2022-23 (FY23), stating a low impact of the global slowdown on its domestically-driven economy. It had earlier forecasted 7.8 percent growth for FY23.

- As per agency, India’s headline Consumer Price Index (CPI) inflation will be **6.8 percent** in FY23.
- It further forecasts 6.5% real Gross Domestic Product (GDP) growth in 2023-24, 6.7% in 2024-25, and 6.9% in 2025-26.

**Other agency growth forecasts:**

- The Organisation for Economic Co-operation and Development (**OECD**) has retained its forecast of **6.9%** GDP growth for India for FY23. It forecasts growth of 5.7% for FY24.
- Rating agency **ICRA** has maintained its forecast of **7.2%** growth in India's GDP for FY23.
- **Moody’s Analytics** has reduced its **Global Real GDP** forecast to **2.7 percent** in 2022 from 4.2 percent estimated earlier. The global growth is projected to decline to 2.3% in 2023 from the earliest forecast of 3.6%.
- **World Bank** has lowered its growth forecasts for East Asia and Pacific to **3.2 percent** in 2022 from 7.2 percent in 2021.

**41.** Union Minister for Labour & Employment, Bhupender Yadav, has released report on **Fourth Round (January-March, 2022) of Quarterly Employment Survey (QES)** part of All India Quarterly Establishment based Employment Survey (AQEES).

AQEES has two components:

- The “Quarterly Employment Survey (QES)” relates to the establishments employing 10 or more workers in the organised segment in 9 sectors. The nine selected sectors are

Manufacturing, Construction, Trade, Transport, Education, Health, Accommodation & Restaurant, IT / BPO and Financial Services.

- The “Area Frame Establishment Survey (AFES)” relates to the establishments employing 9 or less workers.

### Key findings of QES 2022:

- The estimated employment has increased from 3.14 crore of the third quarter (September-December, 2021) to **3.18 crore** of 4th Quarter (January-March, 2022).
- **Manufacturing sector** employed the largest percentage (38.5%) of the total number of workers, followed by Education sector with 21.7%, IT/BPO sector with 12% and Health sector 10.6%.
- In terms of number of workers, an estimated 80% of the establishments engaged 10 to 99 workers. The figure increases to 88% if establishments with 10 or more workers are considered. About 12% of the establishments reported less than 10 workers.
- Only 1.4% of the establishments reported at least 500 workers. Such large establishments were mostly in the IT/ BPO sector and in the Health sector.
- The participation of female workers has increased from 31.6% in the third quarter to **31.8%** in the 4th quarter report.
- Female workers constituted about 52 % of the workforce in the Health sector, 44% in Education, 41% in Financial Services and 36% in IT/ BPO sector.
- It is noteworthy that in Financial Services, females far outnumber males among self-employed persons.

**Note:** The Quarterly Employment Survey (QES) provides a demand-side picture, the National Sample Survey or Periodic Labour Force Survey (PLFS) gives the supply side picture of the labour market.

## GOVERNMENT SCHEMES & PROGRAMMES

- 42.** The Ministry of Food Processing Industries (MoFPI) along with Ministry of Agriculture and Farmers Welfare (MoAFW), has jointly launched a ‘**Convergence Portal**’ between the Agriculture Infrastructure Fund (**AIF**) scheme, Pradhan Mantri Micro Food Enterprises Upgradation Scheme (**PMFME**) and Pradhan Mantri Kisan Sampada Yojana (**PMKSY**).

The portal will prove to be very important for the Food Processing Enterprises of the country, benefiting different sections of the country, including farmers and small-scale entrepreneurs of the processing industry.

Under this portal, the eligible beneficiaries under PMFME and PMKSY schemes availing credit-linked subsidies will be able to avail an additional benefit of Interest Subvention at 3% on the interest rate being charged by the banks.



**Pradhan Mantri Micro Food Industry Upgradation Scheme (PMFME):**

**Ministry of Food Processing Industries** launched a centrally sponsored PPMFME scheme with an outlay of Rs.10,000 crore on 29<sup>th</sup> June 2020 to enhance the competitiveness of individual micro-enterprises in the unorganized segment & promote the formalization of this sector.

Under this scheme, the credit-linked subsidy at 35% for the establishment of a micro food processing unit with a maximum limit of Rs.10 lakh and common infrastructure with a maximum limit of Rs.3 crore are provided for upgradation or setting up of a new unit.

**Pradhan Mantri Krishi Sampada Yojna (PMKSY):**

It is a Central Sector Scheme of the **Ministry of Food Processing Industries** to develop modern infrastructure and effective supply chain management from the farm gate to the retail outlet. It is an umbrella scheme, having sub-schemes like:

- (i) Infrastructure for Agro-Processing Clusters (APC)
- (ii) Creation/Expansion of Food Processing & Preservation Capacities (CEFPPC or UNIT)
- (iii) Integrated Cold Chain and Value Addition Infrastructure (CCI)
- (iv) Food Testing Lab (FTL)
- (v) Operation Greens (OG)
- (vi) Research & Development Scheme (R&D)

Under the scheme, there is a provision of 35% grant of the eligible project cost for general and 50% for SC/ST/Difficult areas, subject to a maximum of Rs.5 crores to Rs.15 crores in terms of the respective sub-scheme guidelines.

**Agriculture Infrastructure Fund (AIF):**

It is implemented by the **Ministry of Agriculture & Farmers Welfare**. It is a medium to long-term debt financing facility that started on 8<sup>th</sup> July 2020 for the creation of post-harvest management infrastructure and building of community farming assets. Benefits under the scheme include 3% interest subvention and credit guarantee support.

- 43.** The Government of India has launched a Scheme **“Special Assistance to States for Capital Investment for 2022-23”**. Under this scheme, financial assistance is provided to the States Governments in the form of **50-year interest free loan** for capital investment projects. An amount of **Rs.1 lakh crore** has been allocated for the scheme.

The loan under the scheme would be over and above the normal borrowing ceiling allowed to states for the FY 2022-23 and should be spent in the same year. Funds not used by a state within a reasonable time period may be allocated to another state.

The scheme has seven parts:

**Part-I** (Capital works)

**Part-II** (PM Gati Shakti related Expenditure)

**Part-III** (PM Gram Sadak Yojana (PMGSY))

**Part-IV** (Incentives for Digitization)

**Part-V** (Optical Fibre Cable)

**Part-VI** (Urban Reforms)

**Part-VII** (Disinvestment and Monetization)

Under Part V (Optical Fibre Cable) of the Scheme, an amount of Rs.3000 crore is earmarked and will be available to States for capital projects on Optical Fibre Cable (OFC) network. On the recommendation of Department of Telecommunications, Department of Expenditure has recently approved proposals of four states namely Uttarakhand, Jharkhand, Haryana and Karnataka with allocation as 50 crore, 84 crore, 65 crore and 156 crore respectively.

44. The Government's flagship programme '**Make in India**' has completed **8 years** on 25<sup>th</sup> September 2022. The Make in India initiative was launched in **2014** by Prime Minister Narendra Modi to facilitate investment, foster innovation, enhance skill development, and build best-in-class manufacturing infrastructure.

The initiative is being implemented by the Department for Promotion of Industry and Internal Trade (**DPIIT**), Ministry of Commerce & Industry (MoCI).

Make in India has substantial accomplishments across **27 sectors** which include strategic sectors of manufacturing and services as well.

**Key achievements:**

- The import of toys in 2021-22 have reduced by **70 percent** to USD 110 million.
- FDI inflows in India which stood at USD 45.15 billion in 2014-2015 reached record FDI inflows for eight years. The year 2021-22 recorded the highest ever FDI of **USD 83.6 billion**.
- **Production Linked Incentive** scheme across 14 key manufacturing sectors was launched to strengthen domestic manufacturing, boosting export potential etc.
- **National Single Window System** to improve Ease-of-doing-business (EODB). As per World Bank, India's rank in EODB has improved from 142 in 2014 to 63 in 2020.
- **Prime Minister's Gati Shakti** programme for providing multimodal connectivity infrastructure to various economic zones.
- **One District, One Product** initiative to help districts by identifying, promoting, and branding a product.
- Public Procurement (Preference to Make in India) Order 2017 promote manufacturing and production of goods and services in local industry to enhance income and employment.

**SBI PO 2022**

Take a **FREE** Mock Test  
Get Your All India Rank

PRACTICE **MOCK**

45. Union Minister of Health and Family Welfare, Dr. Mansukh Mandaviya has inaugurated the two days long **Arogya Manthan 2022** programme to commemorate **4 years** of Ayushman

Bharat Pradhan Mantri Jan Arogya Yojana (**AB PM-JAY**) and **1 year** of Ayushman Bharat Digital Mission (**ABDM**).

The Union Health Minister has also awarded the **Ayushman Utkrishtata Puraskaar** (Ayushman Excellence Awards) 2022 to felicitate the following:

- Top performing state: **Andhra Pradesh**
- Top performing district: **Parvathipuram Manyam** in Andhra Pradesh
- Top performing government facility: **District Hospital Dharwad**, Karnataka
- Best performing states: **Uttar Pradesh** (28782 Healthcare facilities), **Karnataka** (23832), **Andhra Pradesh** (13335), Maharashtra, Bihar, Madhya Pradesh, West Bengal, Chhattisgarh, Telangana and Gujarat.
- Best performing UTs: **Chandigarh and Jammu and Kashmir**

The winner of ABDM Hackathon Series Round 1 i.e. **Bajaj Finserv Health-Team Excalibur** has also been awarded.

### **Ayushman Bharat Pradhan Mantri Jan Arogya Yojana (AB PM-JAY):**

- The scheme was launched in **September 2018** under the Ministry of Health and Family Welfare.
- It is a Centrally Sponsored Scheme and component of Ayushman Bharat Scheme.
- It provides yearly medical insurance of **Rs. 5 lakhs** per family per year for secondary and tertiary care hospitalization across public and private empanelled hospitals in India.
- Funding pattern is in ratio of 60:40 for States and UTs with legislature; 90:10 for North Eastern States and three Himalayan States (J&K, Himachal Pradesh and Uttarakhand), and 100% for UTs without legislature.
- Beneficiary identified through Socio-Economic Caste Census, 2011.
- No cap on family size and age in the scheme.
- The scheme covers pre-existing diseases and benefits are available across country.
- It is being implemented by the National Health Authority (**NHA**).

Additionally, PM-JAY will be extended to informal sanitation workers to expand its outreach to grassroots-level workers through government schemes. For this, premium will be funded from National Action for Mechanised Sanitation Ecosystem (NAMASTE), central sector scheme.

Around 19 crore Ayushman Cards have been made in the country spanning its coverage in 33 States/UTs, and more than 24 crore ABHA numbers have also been generated. The government aims to deliver **10 lakh Ayushman Bharat cards** everyday under AB PM-JAY.

### **Ayushman Bharat Digital Mission (ABDM):**

It is a Central Sector Scheme launched in **2021** under the Ministry of Health and Family Welfare for 5 years. It is being implemented by the National Health Authority (**NHA**).

#### **Components of ABDM:**

- ABHA (Ayushman Bharat Health Account) numbers could be generated by citizens to which their digital health records can be linked.

- ABHA App allows patient to maintain and manage their health information (and that of others for whom they are authorized) in a private, secure, and confidential environment.
- Health Facility Registry is a comprehensive repository of all the health facilities of the country across different systems of medicine.
- Unified Health Interface to enable a wide variety of digital health services between patients and health service providers.

ABDM has crossed the landmark of 1 crore digitally linked health records with over 27 lakh records linked in a day.

**46.** The Union Ministry of Housing and Urban Affairs has launched the "**Swachh Toycathon**" competition under the Swachh Amrit Mahotsav. It is a competition that involves making toys from waste.

- The competition is being hosted on **MyGov's** Innovate India portal and the knowledge partner of this initiative is **Center for Creative Learning, IIT Gandhinagar**.
- This competition integrates the National Action Plan for Toys (**NAPT**) and **Swachh Bharat Mission Phase II** to explore solutions to make toys using waste materials.
- This competition is open to groups and individuals capable of providing innovative toy designs using dry wastes.
- The focus will be on efficient designs that can be replicated for mass production.
- These toys must comply with minimum safety standards and aesthetics.
- The objective of this competition is to promote innovation and circularity in design and packaging of games and toys.
- Winning start-ups will be provided with incubation support from **IIT Kanpur**.
- Innovative designs will be given links to local urban bodies and toy industry for scaling up.

#### **National Action Plan for Toys 2020:**

It was introduced to boost the Indian toy industry including traditional handicrafts and handmade toys. The plan has the objective of establishing India as a global Toy hub. The Department for Promotion of Industry and Internal Trade along with 14 Ministries of Central Government is currently implementing several aspects of the National Action Plan for Toys.

## **BUSINESS & ECONOMY**

**47.** The United Nations Environment Programme (**UNEP**) has signed a Memorandum of Understanding (MoU) with the National Cadet Corps (**NCC**) to deal with the issue of **plastic pollution** and achieve the universal goal of clean water bodies through 'Puneet Sagar Abhiyan' and 'Tide Turners Plastic Challenge programme'.

The MoU, which will be in effect for three years, aims to consolidate, develop, and detail their cooperation and effectiveness in achieving common environmental goals.

#### **Puneet Sagar Abhiyan:**

The NCC launched 'Puneet Sagar Abhiyan' on **1<sup>st</sup> December 2021**. It is a nationwide flagship campaign to clean Sea Shores/Beaches and other water bodies including rivers & lakes, of



plastic & other waste and increase awareness amongst the local population about importance of keeping the beaches and river fronts clean. The purpose of the Abhiyan is to educate locals and sensitise them about 'Swachh Bharat'.

**48. Hero MotoCorp**, a two-wheeler company, has collaborated with **Hindustan Petroleum Corporation Limited (HPCL)** to establish charging infrastructure for electric two-wheelers in India.

In the first phase, the charging stations will be set up in select cities. The entire user charging experience will be controlled by a Hero MotoCorp Mobile-App, based on a cashless transaction model.

**49. Tata Group-owned airlines-Air India, AirAsia India, and Vistara** (Tata SIA airlines) have signed a Memorandum of Understanding (MoU) with the **Council of Scientific and Industrial Research (CSIR) – Indian Institute of Petroleum (IIP)** to collaborate and work together on the research, development and deployment of Sustainable Aviation Fuel (SAFs).

The focus of the MoU will be on Single Reactor HEFA (Hydro processed Esters and Fatty Acids) Technology for Drop-in Liquid Sustainable Aviation and Automotive Fuel (DILSAAF).

**Note:** International Civil Aviation Organization (ICAO) member states have agreed to support global net zero emission target by 2050.

#### **Sustainable Aviation Fuel (SAFs):**

SAF is a jet fuel created from sustainable resources like forestry, agricultural waste, and used cooking oil which has the potential to reduce emissions by 80%. It is a 'drop-in' fuel, meaning it can be added with no changes needed to the aircraft.

**50. Netherland-based TerraPay**, a leading global payments infrastructure group, has tied up with the NPCI International Payment Limited (**NIPL**) to enable merchants in India with Unified Payment Interface (UPI) ID to make & accept cross-border payments. This association will enable around 350 million bank accounts to transact at QR locations enabled by TerraPay.

**51. The National Small Industries Corporation Limited (NSIC)**, a Public Sector Enterprise of Ministry of MSME, has signed a Memorandum of Understanding (MoU) with the **Andhra Pradesh Medtech Zone Limited (AMTZ)**, on cooperation in the healthcare sector.

Under this MoU, both organizations will leverage their expertise and create excellent opportunities for MSMEs in healthcare sector to form global alliances and get access to latest medical technologies along with creating skilled manpower for this sector.

**52. The Ministry of Defence (MoD)** has signed a contract with BrahMos Aerospace (BAPL) for the acquisition of additional dual-role capable **Surface-to-Surface BrahMos missiles** at an approximate cost of **Rs.1,700 crore** under the "Buy-Indian" Category. The induction of these



dual-role capable Missiles will enhance the operational capability of Indian Navy (IN) fleet assets.

**BAPL:**

It is a Joint Venture (JV) between **India and Russia** making crucial contribution to augment the new generation Surface-to-Surface Missiles (SSMs) with enhanced range and dual role capability for land as well as anti-ship attacks.

- **Established:** 1998
- **MD & CEO:** Atul Dinkar Rane

**53.** The Electronics Sector Skill Council of India (**ESSCI**) has signed a Memorandum of Understanding (MoU) with **Samsung India** to empower the youth with industry relevant skills in emerging technologies such as Artificial Intelligence, Internet of Things, Big Data and Coding & Programming. It will be a part of the government's 'Skill India' initiative.

- The programme, '**Samsung Innovation Campus**' aims to upskill over 3,000 unemployed youth from 18-25 years of age in future technologies, in partnership with 'Skill India' initiative.
- The programme will be executed by ESSCI, which is a National Skill Development Corporation (NSDC) entity.

The MoU has been signed between Ken Kang, President and CEO, Samsung Southwest Asia and Abhilasha Gaur, COO, ESSCI.

**54.** **Vitamin Angels India** has joined hands with the United Nations International Children's Emergency Fund (**UNICEF**) India for '**Rashtriya Poshan Maah 2022**' to combat under-nutrition in India.

The objective is to implement a comprehensive, unified outreach and awareness program to enhance nutritional content, delivery, outreach, and outcomes with a renewed focus on fostering health, wellness, and immunity to disease and under-nutrition.

The collaboration will extend into the launch of the Poshan Innovation Platform (**PIP**) in January 2023 with the same aim.

**Rashtriya Poshan Maah:**

It is annually observed by the Ministry of Women and Child Development in the month of September (1 to 30). It was first launched in 2018.

**55.** The Indian Army and the Defence Geoinformatics and Research Establishment (DGRE) have jointly installed the **Avalanche Monitoring Radar**, first of its kind in India, at an altitude of 15,000 feet in **North Sikkim**.

- This radar has the capability to detect avalanches within three seconds of their triggering and will assist in saving valuable life of troops and civilians as also vehicles in super high altitude areas.

- This radar can also be used to detect landslides.
- The radar can see through snow, fog as well as in the night, making it an all-weather solution.
- The radar is also linked to an alarm system, enabling automatic control and warning measures in case an avalanche is triggered.

**56. Bharat Petroleum Corporation Limited (BPCL)** has signed a Memorandum of Understanding (MoU) with **Petrobras**, the national oil company of **Brazil**, to diversify crude oil sourcing for energy security in India.

- The MoU has been signed by **Arun Kumar Singh**, Chairman BPCL and Caio Paes de Andrade, CEO Petrobras, in Brazil.
- India for the first time, signed a long term crude oil supply agreement with Petrobras.

Bharat PetroResources Limited (**BPRL**), a production subsidiary of BPCL, has planned to invest USD 1.6 billion to develop an oil block in Brazil in an attempt to procure equity oil overseas.

**57. Amazon** has collaborated with **Amp Energy India**, a producer of renewable energy (RE), to set up its first solar power projects in India. Amazon will establish three solar power projects with a capacity of **420 megawatt (MW)** in **Rajasthan**.

- Amp Energy India has signed a power purchase agreement (PPA) to sell RE to Amazon from a 100 MW solar power facility in Rajasthan as part of Amazon's plans for India.
- By the end of 2023, the facility at Bhadia, Rajasthan, will be completely operational. Amp is also developing a 1 gigawatt (GW) of utility scale projects. This solar plant will help mitigate 1,13,645 tonnes of harmful CO2 emissions.

Besides Amp Energy, Amazon has also signed a pact with **ReNew Power** for a 210 MW project, and another with **Brookfield Renewable** for a 110 MW project.

Additionally, Amazon has announced 23 new solar rooftop projects on its fulfillment centres across 14 cities in India, which have the capacity to generate an additional 4.09 MW of renewable energy.

**58. JMC Projects Limited** has inked an agreement with the **Government of Maldives** to develop the Hanimaadhoo International Airport Project. The total contract value is around USD 136 million.

- It is the first ever major infrastructure project to be undertaken outside Greater Male' region.
- It is funded under the USD 800 million concessional Line of Credit (LoC) extended by India to the Maldives.

- The project will see the construction of a new 2.46km runway and a terminal with a capacity of 1.3 million passengers per annum.
- The project will be completed in 2024.

**59. Centre for Development of Telematics (C-DOT)**, the premier Telecom R&D centre of the Department of Telecommunications, Ministry of Communications, has signed a Memorandum of Understanding (MoU) with the **Indian Institute of Technology, Delhi (IITD)** for cooperation in various areas of Telecom, including Internet of Things (IoT)/Machine-to-Machine (M2M), Artificial Intelligence (AI)/Machine Learning (ML), Cyber Security and 5G & Beyond technologies.

This MoU aims to evolve a mutually productive framework for collaboration between R&D and academia to promote the design & development of wholly indigenous Telecom solutions.

**60. Samsung India** has inked a pact with **Axis Bank** to launch a co-branded Samsung Axis Bank credit card, powered by a Visa platform. The card is available in two variants - *Visa Signature* and *Visa Infinite*.

- The card offers 10 percent cashback across all Samsung products and services round the year. Additionally, the 10 percent cashback offer through the card will be over and above existing Samsung offers, on both EMI and non-EMI transactions.
- There is no minimum transaction value.
- The key partner merchants include bigbasket, Myntra, Tata 1mg, Urban Company and Zomato.

Recently, **Axis Bank** has signed a non-binding term sheet to invest an amount between Rs.49.9- Rs.69.9 crore for a **9.94% stake** in Initial Public Offering (IPO) bound **Go Digit Life Insurance**, a firm backed by Canada-based Fairfax Group.

**61. Amazon India** has launched '**AmazeWIT Circles**', a dedicated networking virtual event to educate women and prepare them for careers in technology. It is a cohort-based connection that helps women to hone their skills and address the challenges faced by working women.

The 'AmazeWIT Circles' is designed for seasoned software development engineers, which cover topics relevant to technical upliftment and sustained career development.

**62. Haryana, NCT-Delhi, Rajasthan and Uttar Pradesh** have signed the Status of Combined Reciprocal Common Transport Agreement, Contract Carriage and Stage Carriage, (**CRCTA**) for State Contract Carriage and Stage Carriage among these governments. The agreement will ensure seamless movement of passenger vehicles in the NCR.

Under CRCTA, there will be single point taxation for all motor cabs/taxis/auto rickshaw; all Stage carriage buses, all State Transport Undertakings (STUs) of NCR, including city bus services.

**63. Mahindra & Mahindra Ltd (M&M)** has announced to acquire an additional 21,14,349 equity shares constituting **17.41% stake** in **Swaraj Engines Ltd** from Kirloskar Industries Ltd (KIL) for a cash consideration Rs.296 crore.

**64. The Royal Society of Chemistry (RSC)** has signed a Memorandum of Understanding (MoU) with the **Council for Industry and Scientific Research (CSIR)** to support an outreach programme designed to promote the chemical sciences in schools and universities.

Under this MoU, both the organizations will work together on the CSIR's Jigyasa programme, an India-wide outreach programme aimed at school children and researchers. The MoU will be a non-financial one and will be time-bound for at least three years with an option of renewal.

About 2000 students across the country participated in RSC's Global Coin experiment organised across over 30 CSIR laboratories.

**65. Department of Empowerment of Persons with Disabilities (DEPwD), Sector Skill Council for Persons with Disabilities (SCPwD) and Amazon Internet Private Limited** have signed a tripartite Memorandum of Understanding (MoU) to provide skill training and employment opportunities for persons with disabilities.

The International Civil Aviation Organization (ICAO) has signed a Memorandum of Understanding (MoU) with the International Solar Alliance (ISA) to check the growth of CO2 emissions in the aviation sector, and also to reduce carbon emissions. It has been signed during the 42<sup>nd</sup> Session of the ICAO Assembly in Montreal, Canada.

**66. Coromandel International, Chambal Fertilizers and Indian Potash Ltd** have signed a Memorandum of Understanding (MoU) with Canada-based **Canpotex** for the import of **15 lakh tonnes of potash** annually for three years.

- Potash, which is a source of potassium, is used both for direct application as MOP (Muriate of Potash) as well as in combination with 'N' & 'P' nutrients in NPK fertilizers.
- India meets 100 percent of its potash requirement through imports. It imports approximately 40 lakh tonnes of MOP annually.

**67. The Department for Promotion of Industry and Internal Trade (DPIIT) and The Embassy of The Kingdom of The Netherlands** has officially signed the Joint Statement to formalize the bilateral **Fast-Track Mechanism (FTM)** between India and The Netherlands.

- **Invest India**, the national investment promotion and facilitation agency, is the executing body of the bilateral FTM.

- The bilateral FTM aims to serve as a platform for faster resolution of investment cases of Dutch companies operating in India.

**Note:** The Netherlands is the 4<sup>th</sup> largest Foreign Direct Investor (FDI) in India.

**68.** Union Minister of Defence **Rajnath Singh** has made an official visit to **Egypt** from 18 to 20 September 2022, during which he met with Egyptian President **Abdel Fattah El-Sisi** in Cairo, Egypt. The purpose is to strengthen defence collaboration and the unique friendship between Egypt and India.

During his visit, India and Egypt have signed a **Memorandum of Understanding (MoU)** to enhance cooperation in the field of defence. Both the nations have decided to expand military cooperation and focus on joint training, defence co-production, and equipment maintenance.

## BANKING & FINANCE

**69.** **HDFC Bank** has entered into a long-term partnership with the London Stock Exchange group's **Refinitiv** to facilitate digital transformation and innovation programmes across the whole business in India.

Under this agreement, comprehensive access to Refinitiv's data and products will enable HDFC Bank to realise new customer opportunities and fast-track its innovation agenda while reducing total cost.

**70.** **ICICI Prudential Mutual Fund** has recently launched the **ICICI Prudential Nifty Auto Index Fund**, industry's first Auto Index Fund. The fund will track the Nifty Auto Index which has been designed to reflect the performance of the automobiles sector.

- The index comprises **15 listed companies** and represents auto-related sectors such as auto ancillaries and tyres too.
- The index is composed using the free float market capitalization method.
- The new fund offer opens on 22 September and will close on 6 October.

**71.** The Defence Accounts Department (**DAD**), under the Ministry of Defence, has recently signed a Memorandum of Understanding (MoU) with **Bank of Baroda (BoB)** and **HDFC Bank**, to onboard them as Service Centres under the **System for Pension Administration (Raksha) (SPARSH)** initiative, across more than 14,000 branches throughout India.

- The MoU will onboard more than 7,900 branches of Bank of Baroda and 6,300 branches of HDFC Bank as Service Centres to provide last mile connectivity to pensioners (especially in remote areas) through SPARSH.
- The objective is to bring 17 lakh pensioners out of the total 32 lakh defence pensioners on SPARSH by the end of September 2022 and the remaining pensioners will be brought to SPARSH at the earliest.



- The Service Centres will become an interface for SPARSH and provide an effective medium for pensioners to perform profile update requests, register grievances and seek redressal, digital annual identification, pensioner data verification or also simply fetch detailed information regarding their monthly pension.

**SPARSH:**

It is a web-based system for processing the pension claims and crediting the pension directly into the bank accounts of defence pensioners without any external intermediary. This system is administered by the **Defence Accounts Department (DAD)** through the Principal Controller of Defence Accounts (Pensions), Prayagraj and caters to all the three Defence Services and allied organization.

**72. Ageas Federal Life Insurance** has become the **first life insurance company** in India to have **74 percent** stake held by a foreign partner after the Belgium-based shareholder, Ageas Insurance International NV, completed the acquisition of the remaining 25 percent stake from IDBI Bank.

Ageas has acquired the additional 25 percent stake (from IDBI Bank) for a total cash consideration of Rs.5.8 billion (EUR 73 million).

**73. Aditya Birla Sun Life Insurance (ABSLI)**, the life insurance subsidiary of Aditya Birla Capital Limited (ABCL), has launched a new-age savings solution '**ABSLI Akshaya Plan**', a non-linked participating individual savings life insurance plan offering immediate liquidity option through cash bonus facility.

The maximum entry age to avail ABSLI Akshaya Plan is 55 years, while the minimum age is 30 days. The minimum annualized premium is Rs.24,000 and no limit for the maximum annualized premium.

**74. World Bank (WB)** has approved a **USD 350 million loan** to **Gujarat** to improve the quality and access of public healthcare services, with a special focus on adolescent girls and disease surveillance in the state.

- The loan amount sanctioned by the International Bank of Reconstruction and Development (**IBRD**), the funding arm of the WB, has a maturity of 18 years including a grace period of 5.5 years.
- The loan amount will be utilized through the state government's Systems Reform Endeavours for Transformed Health Achievement in Gujarat (SRESTHA-G) programme which will enable more people to access a wider range of high-quality health services.

**75. The Securities & Exchange Board of India (SEBI)** has permitted the **Real Estate Investment Trust (REIT)**, and **Infrastructure Investment Trust (InvIT)** to issue Commercial Papers (CPs), subject to certain conditions.

- This decision follows the Reserve Bank of India's (RBI) CP directions in August 2022 which enabled InvIT and REIT having net worth of at least **Rs 100 crore** are eligible to issue commercial papers.

**Commercial Paper (CP):**

It refers to a short-term debt instrument issued by companies to garner funds generally for a time period up to one year. It is an unsecured money-market instrument issued in form of promissory note. It is offered at discount to face value.

**Advantages:** No requirement of collateral, Low funding cost, **Highly Liquid**, Higher returns for investors and fewer chances of default

**76. Union Bank of India** has launched the '**Ethical Hacking Lab**' at the Cyber Security Centre of Excellence (CCoE) in Hyderabad, Telangana. The aim is to strengthen the cyber ecosystem in India. The lab with cyber defence mechanism will protect the bank's information system, digital assets, and channels, against potential cyber threats.

**77. Yubi** (earlier, CredAvenue) has tied up with the **State Bank of India (SBI)** to enable higher credit access to the priority sector. SBI will be integrated with Yubi Co.Lend, a co-lending marketplace that enables lenders to collaborate with multiple partners and disburse joint loans to the priority sector.

**78. Bank of Baroda (BoB)** has launched "**Khushiyon ka Tyohaar**", an annual festival campaign, to provide a range of offers including attractive interest rates on home loans and car loans, in addition to the discount on processing charges and other benefits.

- In addition, customers will also receive a number of other benefits such as no pre-payment/part payment charges, concessional processing charges, and longer repayment tenure of seven years.
- BoB home loans are available at a competitive interest rate beginning at **7.95% p.a.** with no processing charges, and car loans are available at a special rate starting from **7.95% p.a.** with a 25 basis points concession.

**SBI PO 2022****Take a FREE Mock Test  
Get Your All India Rank**

PRACTICE MOCK

**79. Global payments and technology company Mastercard** will launch the '**Carbon Calculator**' feature, which offers consumers an estimated carbon footprint for each of their purchases, for Indian consumers.

- Mastercard Carbon Calculator, developed in collaboration with Swedish fintech Doconomy, is currently used in over 25 countries.
- Banking partners can embed the tracking tool in their website or mobile apps.

- This can drive the cumulative effect of carbon footprint across a variety of spending categories in a month.

**80. Muthoot Finance**, one of India's largest gold loan NBFC companies, has signed a Memorandum of Understanding (MoU) with UAE-based **Lulu International Exchange** to work as its collection partner.

Through this partnership, Muthoot Finance aims to drive convenience and ease of money transfer for over 4 lakh NRIs in the UAE region whose relatives have availed gold loans back home.

**81. DBS Bank India Limited (DBIL)**, in collaboration with **HDFC ERGO** General Insurance Co Ltd and **Atradius**, has provided Trade Credit Insurance - Accounts Receivable solution to Tata Metaliks, a pioneer in manufacturing pig iron and DI pipes in India. This credit insurance deal is amongst the **first** to leverage Trade Credit Insurance.

**82.** Japan-based **MUFG Bank** has recently increased the capital of its branches in India by **Rs.3,000 crore** to expand its India business. As a result of this capital injection, the total capital of MUFG Bank in India will rise to Rs.5,207 crore.

**83. UCO Bank** and **Yes Bank** have collaborated with two Russian banks for undertaking businesses with Russia. The UCO Bank has collaborated with **Gazprom Bank** and the Yes Bank has collaborated with **Petersburg Social Commercial Bank (PSCB)** of Russia. This agreement took place after the Reserve Bank of India (RBI) allowed foreign payments through special Vostro accounts.

**84. Bank of India (BoI)** has recently acquired over **5.5 percent** stakes in Open Network for Digital Commerce (**ONDC**) for Rs 10 crore under the private placement route. In absolute terms, BoI has acquired 10,00,000 equity shares for Rs 100 each in ONDC.

**85. Bombay Stock Exchange (BSE)** has received the final approval from the Securities and Exchange Board of India (SEBI) for introducing the **Electronic Gold Receipt (EGR)** on its platform.

BSE had received in-principle approval from SEBI in February 2022 after which the exchange conducted several mock trading in the test environment for exchange members to facilitate trading in EGRs.

**Note:** EGR is an electronic receipt issued on the basis of deposit of physical gold in accordance with the regulations made by SEBI.

## RBI IN NEWS

**86.** Public sector lender **UCO Bank** has received the Reserve Bank of India's (RBI's) approval to open a special Vostro account with Gazprombank of Russia for trade settlement in Indian rupees.

In July 2022, RBI announced its decision to allow Indian banks to settle trade in Indian currency. RBI also allowed trade settlements between India and other countries, including Sri Lanka and Russia.

### **Vostro account:**

It is an account that a correspondent bank holds on behalf of another bank of correspondent bank/s of the partner country for trading. For example, HSBC Vostro account is held by SBI in India.

**87.** The Reserve Bank of India (RBI) has cancelled the licence of Solapur (Maharashtra) based **The Laxmi Co-operative Bank Limited** as the lender does not have adequate capital and earning prospects. The lender has failed to comply with the requirements of the Banking Regulation (BR) Act 1949.

RBI, in the exercise of its powers under Section 45L (1) (b) of the RBI Act 1934, has ordered **Mahindra & Mahindra (M&M) Financial Services** to immediately stop all recovery or repossession activity through outsourcing arrangements, with immediate effect.

## AWARDS & RECOGNITION

**88.** The **India Hypertension Control Initiative (IHCI)**, a Large-scale hypertension intervention under the National Health Mission (NHM), has recently won the '**2022 UN Interagency Task Force, and the WHO Special Program on Primary Health Care Award**' at the United Nations General Assembly. It has been awarded for India's exceptional work within India's existing primary healthcare system.

### **India Hypertension Control Initiative (IHCI):**

- IHCI is a collaborative initiative of the Ministry of Health and Family Welfare, Indian Council of Medical Research (ICMR), state governments and the World Health Organization-India.
- The initiative was launched in **2017** and expanded in a phased manner to cover more than 130 districts across 23 states.
- IHCI aims to accelerate progress towards the government's NCD (Non-Communicable Disease) target by supplementing and intensifying evidence-based strategies to strengthen the building blocks of hypertension management and control.

### **Hypertension in India:**

Uncontrolled high blood pressure (HBP) or hypertension is the most common reason for sudden heart attack or stroke.

In India, one in four adults has high blood pressure. There are an estimated 20 crore adults with hypertension, of whom approximately only 2 crores have it under control. The Indian government has adopted the “25 by 25” goal to reduce premature mortality due to NCDs by 25% by 2025.

89. Indian author and poet **Meena Kandasamy** has been named the recipient of the **Hermann Kesten Prize** by the PEN Centre in Germany’s Darmstadt. The PEN Center, Germany, will present the award at a ceremony in Darmstadt on 15<sup>th</sup> November 2022. The winner will receive an amount of EURO 20,000 (\$19,996) as prize money.

The website “*Weiter Schreiben*” (German for “Keep writing”) has also been awarded with a special award for encouragement, for giving authors in exile and writers from conflict zones a platform to express their thoughts.

The Hermann Kesten Prize honours personalities who, in the spirit of the charter of the PEN association, stand up for the rights of persecuted authors and journalists.

**Meena Kandasamy:**

She was born in 1984 in Chennai, Tamil Nadu. She is a feminist and anti-caste activist whose work revolves around the issue of gender, caste, sexuality, patriarchy, and oppression by the Brahmanical system.

Her notable works include: *The Gypsy Goddess* (2014), *When I Hit You: Or, A Portrait of the Writer as a Young Wife* (2017), *Ayaankali* (2007), *Tamil Tigresses* (2021) and poems including *Touch* (2006), and *Ms Militancy* (2010).

90. **Cochin International Airport Limited (CIAL)** has won the Airport Service Quality Award-2022 instituted by Airport Council International (ACI) for its successful implementation of ‘Mission Safeguarding’ program that was implemented in 2021-22 to ensure seamless traffic and passenger satisfaction after COVID-19 pandemic.

It has won recognition in the 5 to 15 million passenger category of airports operating in the Asia-Pacific region.

91. The winners of **Breakthrough Prize 2023** have recently been announced.

The Breakthrough Prize, also known as “Oscars of Science”, is the world's largest science award. Each prize is USD 3 million and presented in the fields of Life Sciences, Fundamental Physics and Mathematics.

**2023 Breakthrough Prizes in Life Sciences:**

- **Clifford P. Brangwynne**, Princeton University, Howard Hughes Medical Institute and the Marine Biological Laboratory

**Anthony A. Hyman**, Max Planck Institute of Molecular Cell Biology and Genetics

Awarded for discovering a fundamental mechanism of cellular organization mediated by phase separation of proteins and RNA into membrane less liquid droplets.

- **Demis Hassabis**, DeepMind

**John Jumper**, DeepMind



Awarded for developing a deep learning AI method that rapidly and accurately predicts the three-dimensional structure of proteins from their amino acid sequence.

- **Emmanuel Mignot**, Stanford University School of Medicine

**Masashi Yanagisawa**, University of Tsukuba

Awarded for discovering that narcolepsy is caused by the loss of a small population of brain cells that make a wake-promoting substance, paving the way for the development of new treatments for sleep disorders.

**2023 Breakthrough Prize in Fundamental Physics:**

- **Charles H. Bennett**, IBM Thomas J. Watson Research Center
- **Gilles Brassard**, Université de Montréal
- **David Deutsch**, Oxford University
- **Peter W. Shor**, MIT

Awarded for foundational work in the field of quantum information.

**2023 Breakthrough Prize in Mathematics:**

**Daniel A. Spielman**, Yale University

Awarded for breakthrough contributions to theoretical computer science and mathematics, including to spectral graph theory, the Kadison-Singer problem, numerical linear algebra, optimization, and coding theory.

92. President of India Droupadi Murmu has conferred the **National Service Scheme (NSS) Awards** for the year **2020-21** at Rashtrapati Bhavan in New Delhi. A total of **42 awards** have been awarded including 2 Universities, 10 NSS units, their programme officers, and 30 NSS volunteers received the awards.

**NSS Awards:**

The Department of Youth Affairs of the **Ministry of Youth Affairs and Sports** confers every year the National Service Scheme Award. The awards are conferred to recognise and reward outstanding contributions towards voluntary community service with a view to further promoting NSS in the country.

**National Service Scheme:**

NSS is a Central Sector Scheme that was launched in **1969** with the objective of developing the personality and character of the student youth through voluntary community service. The ideology of NSS is inspired by the ideals of **Mahatma Gandhi**. Its Motto is *"Not me but You"*.

93. Indian-origin UK Home Secretary **Suella Braverman** has won the **1st Queen Elizabeth II Woman of the Year** award at the 20<sup>th</sup> edition of Asian Achievers Award 2022 ceremony in London, England. The awards recognise the outstanding work of such individuals within the South Asian community.

**Other winners of Asian Achievers Award 2022:**

- Art and Culture: Namit Malhotra, Chairman and CEO, DNEG
- Business Person of the Year: Shamil and Kavi Thakrar, Co-founders, Dishoom
- Community Service: Dr Zareen Roohi Ahmed, Chair, Halimah Trust

- Entrepreneur of the Year: Sherry Vaswani, Founder and CEO, Xalient
- Lifetime Achievement Award: Dr Kartar Lalvani OBE, Founder and Chairman, Vitabiotics
- Media: Naga Munchetty, BBC News
- Professional of the Year: Professor Sir Shankar Balasubramanian, University of Cambridge
- Special Award for Business Leadership: Puneet Gupta, Co-Owner and joint CEO, PG Paper
- Special Award for Innovation and Entrepreneurship: Bankim Chandra, CEO, DotSquares
- Sports Personality of the Year: Karenjeet Kaur Bains, powerlifter
- Uniformed and Civil Service: Captain Harpreet Chandi, British Army
- Outstanding Achievement in Healthcare: Prema Subaskaran, Founder, LycaHealth

**94.** Veteran actress **Asha Parekh** has been honoured with the **2020 Dadasaheb Phalke award**, making her the 52nd awardee of the honour. She has been awarded for her exemplary lifetime contribution to Indian cinema.

She worked in more than 95 films and was the chairperson of the Central Board of Film Certification from 1998-2001. She was also conferred with Padma Shri in 1992.

#### **Dadasaheb Phalke Award:**

It is the highest honour in Indian cinema. The award was instituted in 1969 by the Government of India to commemorate Dadasaheb Phalke's contribution to Indian cinema. The award comprises a Swarna Kamal (Golden Lotus) medallion, a shawl, and a cash prize of Rs.1,000,000 (USD 13,000). It is presented annually at the National Film Awards ceremony by the Directorate of Film Festivals, an organisation set up by the Ministry of Information and Broadcasting.

The first recipient of the award was actress Devika Rani.

**95.** Noted playback singers **Kumar Sanu, Shailendra Singh** and music-composer duo **Anand & Milind Shrivastava** have been awarded the National Lata Mangeshkar Award for different years on the occasion of the birth anniversary of the late legendary singer, Lata Mangeshkar at her birthplace Indore, Madhya Pradesh. She was born on 28<sup>th</sup> September 1929.

- **Lata Mangeshkar Award 2019:** Shailendra Singh
- **Lata Mangeshkar Award 2020:** Anand & Milind Shrivastava
- **Lata Mangeshkar Award 2021:** Kumar Sanu

#### **Lata Mangeshkar Award:**

It was instituted in 1984 by the Government of Madhya Pradesh. It is given annually to honour works in the field of music. The award carries a cash prize of Rs. 2 lakh and a citation.

#### **Additional Information:**

Recently, Uttar Pradesh Chief Minister Yogi Adityanath has inaugurated an intersection '**Lata Mangeshkar Chauraha**' in **Ayodhya** named after legendary singer Lata Mangeshkar on the occasion of her 93rd birth anniversary. The intersection at the banks of the **Saryu River** has been developed at an estimated cost of Rs 7.9 crore. A 40-ft-long and 12-metre-high veena weighing 14 tonnes has been installed at the intersection.

**96. Srishti Bakshi**, an Indian marketer turned women's rights activist and founder of CrossBow Miles Movement, has won the '**Changemaker Award**' at the United Nations Sustainable Development Goals (UN SDG) Action Awards 2022 held at a ceremony in Bonn, Germany. She has been honoured to spread awareness of gender-based violence and inequality.

She created a documentary film revealing untold stories of courage, **WOMB: Women of My Billion**.

**Other UN SDG Action Awards Winners 2022:**

- Mobilize category: SUPvivors say NO MORE
- Inspire category: The Masungi Story
- Connect category: CyprusInno
- Honourable Mention: Lets' Do It Ukraine

## BOOKS & AUTHORS

**97.** A book titled "**Wildlife India@50: Saving the Wild, Securing the Future**" has been authored by **Manoj Kumar Misra**. The book is published by Rupa Publication India. The book is published in the 50<sup>th</sup> anniversary of the Wildlife Protection Act 1972 (9<sup>th</sup> September). The book highlights various concerns including trading of wildlife products, and the increasing loss of natural habitat, cheetah extinction, etc.

**98.** Former Vice President **M Venkaiah Naidu** has released a collection of Prime Minister Narendra Modi's selected speeches at Akashvani Bhawan in New Delhi. The book titled "**Sabka Saath Sabka Vikas Sabka Vishwas Prime Minister Narendra Modi Speaks (May 2019-May 2020)**" has been released in the presence of Kerala Governor Arif Mohammad Khan at a function organised by the Ministry of Information and Broadcasting.

The book focuses on 86 speeches of the Prime Minister on various subjects. The book portrays the Prime Minister's vision of a 'New India', which is self-reliant, resilient and capable of converting challenges into opportunities.

## PERSON IN NEWS

**99. Max Life Insurance** has announced **Rohit Sharma**, Captain of the Men's Indian cricket team, and his wife **Ritika Sajdeh**, an Indian sports manager as Brand Ambassadors.

The company has signed a two-year partnership with Rohit Sharma and Ritika Sajdeh, with an aim to further build and enhance the importance of financial preparedness and protection.

**100.** The Appointments Committee of the Cabinet led by Prime Minister Narendra Modi has appointed the senior bureaucrat **Bharat Lal**, a 1988-batch Indian Forest officer of Gujarat

cadre, as the Director-General of the National Centre for Good Governance (NCGG). He has been appointed for a period of one year. He has succeeded V. Srinivas.

**101.** The Central Government has appointed **Dr Rajiv Bahl**, Head of research on maternal, newborn child and adolescent Health-cum-Newborn unit head, Department of maternal newborn child and adolescent health and ageing, World Health Organization (WHO), as the **Director General of Indian Council of Medical Research (ICMR)** and Secretary Department of Health Research (DHR) for a period of three years. He has replaced Balram Bhargava.

**102.** The National Payments Corporation of India (NPCI) has reappointed **Dilip Asbe** as the Managing Director and Chief Executive Officer (MD&CEO) of the company for a period of 5 years, with effect from 8<sup>th</sup> January 2023 to 7<sup>th</sup> January 2028. He took over as MD & CEO of NPCI in January 2018.

**103. Dr M Srinivas**, the dean of Employees' State Insurance Company (ESIC) Hospital and Medical College, Hyderabad, has been appointed as the Director of All India Institute of Medical Sciences (AIIMS), New Delhi.

He has been appointed for a period of 5 years with effect from the date of assumption of charge of the post, or till attaining the age of 65 years, or until further orders, whichever is the earliest. He has succeeded Dr Randeep Guleria.

**104. Sanjai Kumar** has been appointed as the Chairman & Managing Director (CMD) of RailTel. He is an officer of the Indian Railway Service of Signal Engineers (IRSSE). He was currently working as Director (Network Planning & Marketing/NPM) with additional charge of Director (Project, Operations & Maintenance/ POM) in RailTel.

**105. Giorgia Meloni**, the leader of the far-right political party Brothers of Italy, has won 26% of the vote in Italy's National Election by defeating Mario Draghi. With this, she has become the **first woman** Prime Minister of **Italy**.

**Note:** Parliament of Italy consists of two houses: *Chamber of Deputies and Senate of the Republic*

**106. Mohammed bin Salman**, a powerful Crown Prince of **Saudi Arabia**, has been named the Prime Minister of the kingdom by a royal decree. The former PM King Salman bin Abdulaziz will continue to chair the Cabinet meetings that he attends.

**107.** Senior advocate in the Supreme Court of India **R Venkataramani** has been appointed as the **15<sup>th</sup> Attorney General for India** for a period of three years with effect from 1st October 2022. He has succeeded K K Venugopal.

**Attorney General for India (AG):**

The AG is the Government of India's first law officer, and has the right of audience in all courts of the country. Under **Article 76(1)**, the AG is appointed by the President from among persons who are "qualified to be appointed a Judge of the Supreme Court". It shall be the duty of the Attorney-General to give advice to the Government of India upon such legal matters, and to perform such other duties of a legal character, as may from time to time be referred or assigned to him by the President.

- 108.** The Government of India (GoI) has appointed **Lt. General Anil Chauhan**, the military adviser to the National Security Council Secretariat (NSCS) and a former Eastern Army Commander, as the **Chief of Defence Staff (CDS)** of India. He is the 2<sup>nd</sup> person to hold the post of CDS after General Bipin Rawat, who died in a chopper crash in December 2021 in Tamil Nadu.

He will also function as **Secretary** of the Department of Military Affairs.

**Chief of Defence Staff (CDS):**

The CDS is the most senior uniformed officer in rank, the first among equals, the only four-star officers in the country are the CDS, the chiefs of the Indian Army, Indian Navy and Indian Air Force. The CDS is the single point of contact for the government for giving military advice and is the senior-most bureaucrat in the defence ministry which has four major departments.

**Anil Chauhan:**

He was born on 18th May 1961 in Uttarakhand. He was commissioned into the 11 Gorkha Rifles of the Indian Army in 1981. He is an alumnus of the National Defence Academy, Khadakwasla and Indian Military Academy, Dehradun. He had also served as a United Nations mission to Angola. He superannuated from the Indian Army on 31 May 2021.

**Books written by him:** *'Aftermath of a Nuclear Attack'*, and *'The History of 11 Gorkha Rifles Regimental Centre'*.

**Awards:** Param Vishisht Seva Medal, Uttam Yudh Seva Medal, Ati Vishisht Seva Medal, Sena Medal and Vishisht Seva Medal.

- 109.** Veteran Assamese swimmer **Elvis Ali Hazarika** has become the **first** from the North East to cross the North Channel. Elvis and his team clocked a timing of 14 hours 38 minutes to achieve this feat. With this, Elvis has become the oldest Indian swimmer to cross the North Channel.

**Note:** The North Channel is the strait between north-eastern Northern Ireland and south-western Scotland.

- 110.** **K Raja Prasad Reddy** of Telugu media group Sakshi has been elected as the President of the **Indian Newspaper Society (INS)** for 2022-23. He has succeeded Mohit Jain of the Economic Times.

**Other appointments:**

- **Deputy President:** Rakesh Sharma (Aaj Samaj)



- **Vice-President:** M V Shreyams Kumar (Mathrubhumi Arogya Masika)
- **Treasurer:** Tanmay Maheshwari (Amar Ujala)
- **Secretary-General:** Mary Paul

INS is the apex body of publishers of newspapers, magazines and periodicals in the country.

**111.** Lux Industries Limited, known for its innovative and customer-demand-driven product offerings, has appointed former Captain of the Indian Cricket Team, and current President of the BCCI, **Sourav Ganguly**, as the brand ambassador of **Lux Cozi**.

**112.** The Ministry of Corporate Affairs has reshuffled the board of Infrastructure Leasing & Financial Services (IL&FS), which is undergoing debt resolution process and has appointed **Nand Kishore**, who was serving as an executive director, as the Managing Director, with immediate effect from till March 2023.

The Ministry has redesignated **C S Rajan** as the Non-Executive Chairman.

**113.** The Board of **Britannia Industries Limited** has appointed **Varun Berry** as its Executive Vice-Chairman and Managing Director with immediate effect.

The board has also appointed **Rajneet Kohli** as its Executive Director and Chief Executive Officer with effect from 26th September 2022.

**114.** Data Security Council of India (DSCI) has appointed **Vinayak Godse** as the Chief Executive Officer (CEO) of the company. He has succeeded Rama Vedashree.

Data Security Council of India (DSCI), is a not-for-profit, industry body on data protection in India, setup by NASSCOM. It is committed to make the cyberspace safe, secure and trusted by establishing best practices, standards and initiatives in cyber security and privacy. It is based in New Delhi.

**115.** **Akash Ambani**, the Chairman of Reliance Jio, is the only Indian to be featured on the **TIME 100 NEXT** emerging leaders' list, TIME magazine's list of the world's rising stars (United-States based global magazine). Another Indian-born American business leader, Amrapali Gan is also on the list.

## OBITUARIES

**116.** US meteorologist **Vernon Dvorak**, credited for developing Dvorak technique (read as Dvorak), has recently passed away in Ojai, California, United States. He was born in 1922 in Iowa, United States.

### **Dvorak technique:**

It was first developed in 1969 and tested for observing storms in the northwest Pacific Ocean.

It is a statistical method for estimating intensity of Tropical Cyclones (TCs) based on cloud patterns on satellite imagery. It uses enhanced Infrared and/or visible satellite imagery to quantitatively estimate intensity of a tropical system. It quantifies TCs intensity on a 1-8 scale (at 0.5 intervals) called T-numbers and final output is Current Intensity (CI) number.

SBI PO 2022

Take a **FREE** Mock Test  
Get Your All India Rank

PRACTICE MOCK

## SPORTS

- 117.** Former Indian men's team captain **Dilip Tirkey** (Odisha) has been elected as the new President of Hockey India (HI). He has become the Hockey India's first-player President. Bholu Nath has been elected unopposed as Secretary-General.
- 118.** India women's team bowling legend **Jhulan Goswami** has announced her retirement from international cricket. The match at Lord's England in September 2022, Indian Women's Team 3<sup>rd</sup> One Day International (ODI) against England, was her last international match.
- Jhulan Goswami was born on 25<sup>th</sup> November 1982 in Nadia, West Bengal.
  - She is famously known as 'Babul'.
  - She made her debut against England in 2002.
  - She represented India in 12 Tests, 204 ODI, and 68 T20Is.
  - **Awards:** Arjuna Award (2010), and Padma Shri (2012)
- 119.** **West Zone** has won the **2022 Duleep Trophy** after defeating **South Zone** by 294 runs in the final match held at the SNR College Cricket Ground, Coimbatore. This is West Zone 19<sup>th</sup> title.
- Sarfaraz Khan scored most runs with 127 runs for 178 balls and Jaydev Unadkat of West Zone became the player of the series.
- Duleep Trophy:**
- The Duleep Trophy, also known as Mastercard Duleep trophy due to sponsorship reasons, is a domestic first-class cricket competition played in India. It is named after Kumar Shri Duleepsinhji of Nawanagar. The competition was started by the Board of Control for Cricket in India (BCCI) in the 1961–62 season.
- 120.** India will host the maiden MotoGP World Cup Championship race in 2023, named '**Grand Prix of Bharat**', at the Buddh International Circuit in **Greater Noida**, Uttar Pradesh.

MotoGP commercial rights owner Dorna and Noida-based race promoters Fairstreet Sports have signed a Memorandum of Understanding (MoU) to host the premier two-wheel racing event in India for the next seven years.

**121.** The International Cricket Council (ICC) has announced that the **ICC World Test Championship (WTC) final** will be hosted by The Oval, London, England in June 2023 and the 2025 edition of WTC Final will be played at Lord's, London.

The two venues in London will succeed Southampton (England), which hosted the inaugural final between New Zealand and India in ICC WTC 2021.

## IMPORTANT DAYS

**122. International Day of Sign Languages** is observed annually on **23rd September** to spread awareness regarding the importance of sign language in the realisation of the human rights of people who are deaf. The day was first observed in 2018 as part of the International Week of the Deaf.

**Theme 2022:** "Sign Languages Unite Us!"

**123. World Pharmacists Day** is observed annually on **25th September** to advocate the role of pharmacists and to inspire people all around the world to recognise the value they contribute to society. On this day, the International Pharmaceutical Federation (FIP) was established in 1912. The day was established in 2009 by FIP council in Istanbul, Turkey. The day was first observed in 2010.

**Theme 2022:** "Pharmacy united in action for a healthier world"

**124. Antyodaya Diwas** is observed annually on **25th September** to commemorate the birth anniversary of Indian leader **Pandit Deendayal Upadhyaya**. The year 2022 marks the 106th birth anniversary of him.

'Antyodaya' means uplifting the poorest of the poor.

### **Pandit Deendayal Upadhyaya:**

- He was born on 25<sup>th</sup> September 1916 in Nagla Chandrabhan village, now called Deendayal Dham, near the town of Farah in Mathura District of Uttar Pradesh.
- He was a Rashtriya Swayamsevak Sangh (RSS) thinker and co-founder of the **Bharatiya Jana Sangh (BJS)**, which is the forerunner of the Bharatiya Janata Party (BJP).
- He is extensively admired for the philosophy of Integral Humanism which is the official philosophy of the Bharatiya Janata Party.
- He launched the weekly '*Panchjanya*' and the daily '*Swadesh*'.
- He was a journalist in '*Rashtra Dharma*' daily, worked as an editor for 'Panchjanya' and wrote a column named 'Political Diary' for the weekly 'the Organiser'.

- He wrote a number of books including Samrat Chandragupt, Jagatguru Shankaracharya, Political Diary, Integral humanism, Ekatmamanav - vad and an analysis of the Five Year plans in India.

**125. World Environmental Health Day** is observed annually on **26<sup>th</sup> September** to spread awareness among people about the health of the environment and preserving it. The day aims to promote the improvement of environmental parameters and services of environmental health professionals. The day was first observed in 2011.

**Theme 2022:** "Strengthening Environmental Health Systems for the implementation of the Sustainable Development Goals".

**126. World Tourism Day** is observed annually on **27<sup>th</sup> September** to spread awareness about the significance of tourism in affecting the social, political, economic and cultural values of the international community. The date marks the anniversary of the adoption of the Statutes of the Organization in 1970, paving the way for the establishment of the United Nations World Tourism Organisation (UNWTO) five years later. The day was first observed in 1980.

Host country of World Tourism Day 2022 is Bali, Indonesia.

**Theme 2022:** "Rethinking Tourism"

**127. World Rabies Day** is observed annually on **28<sup>th</sup> September** to mark the death anniversary of **Louis Pasteur**, the French chemist and microbiologist, who developed the first rabies vaccine. 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. The day was first observed in 2007. The year 2022 marks the 16<sup>th</sup> World Rabies Day.

**Theme 2022:** 'Rabies: One Health, Zero Deaths'

**128.** The Regiment of Artillery under the Pune-headquartered Southern Command has observed its **196<sup>th</sup> Gunners Day** on 28<sup>th</sup> September at Veer Smriti in Chandimandir Military Station. The day commemorates the raising of 5<sup>th</sup> (Bombay) Mountain Battery, the first Indian Artillery unit on 28<sup>th</sup> September 1827.

**129. World Heart Day** is observed annually on **29<sup>th</sup> September** to spread awareness about life-threatening effects of cardiovascular ailments. It also aims to educate people on ways to prevent cardiovascular diseases. The day is organized by the Geneva-based World Heart Federation (WHF). The day was first observed in 2000.

**Theme 2022:** 'Use Heart for Every Heart'

**130. International Translation Day** is observed annually on **30<sup>th</sup> September** to pay tribute to the work of language professionals, which plays an important role in bringing nations

together, facilitating dialogue, understanding and cooperation, contributing to development and strengthening world peace and security. The day was first observed in 2017.

The day celebrates the feast of **St. Jerome**, the Bible translator, who is considered the patron saint of translators.

**Theme 2022:** “A World without Barriers: The Role of Language Professionals in Building Culture, Understanding and lasting Peace”

## Other Important Study Material to help you with your preparation

- [Highlights of the Union Budget 2022-23- Download Free PDF - PracticeMock](#)
- [Daily Quantitative Aptitude | Reasoning | English | Current Affairs Quizzes for Banking & Government Exams](#)
- [Weekly Current Affairs- Download Free PDF](#)
- [Static GK- Download Free PDFs- For All Government, Banking Exams](#)
- [The Hindu Editorial Vocabulary- Download Free PDF](#)
- [Seating Arrangement Tips & Questions for Practice- Download PDF](#)
- [600+ Synonyms asked in Previous Years' SSC Exams- Download PDF](#)
- [How to Prepare for Banking/Financial Awareness? Download PDFs](#)
- [Download PDF- Syllogism- Only & Few Concepts & Questions](#)
- [Alphanumeric Series Free PDF- Tips & New Type Questions](#)
- [Inequalities PDF- Concept, Examples, Tricks & Expected Questions](#)
- [175+ Important SSC GK Questions asked in Last 15 Years- Download PDF](#)
- [Reading Comprehension Guide PDF- Strategy, Tips & Questions for Practice](#)
- [Simple/Compound Interest Tricks & Model Questions- PDF](#)
- [500 GA Previous Years' Questions PDF- Very Important for SSC CGL](#)
- [Parajumbles Concept, Tips & Questions for Practice- Download PDF](#)
- [A Guide to Master Your Vocabulary- Download Free PDF](#)
- [Coding-Decoding Concept, Tips & Questions for Practice- Download PDF](#)
- [Direction Sense- Concept, Tips & Questions for Practice- Download PDF](#)
- [Most Probable Current Affairs PDF- Very Important for the Upcoming Exams](#)
- [Analogy- Concept, Tips, Examples & Questions for Practice- Download Free PDF](#)



- [Quadratic Equation- Concept, Tips, Examples & Questions for Practice- Download PDF](#)
- [\[Updated\] List of Countries, Capitals & Currencies- Download Free PDF](#)
- [List of Firsts in India- Download Free PDF](#)
- [Computer Awareness- Abbreviations & File Extensions- Download Free PDF](#)

