



## DAILY DOSE

### **CURRENT AFFAIRS – 01/10/2024**

#### **1.URBAN GOVERNANCE INDEX:**

**RECENT:** Kerala has earned the top spot in the Urban Governance Index (UGI) by the Praja Foundation, because of its strengths in managing finances and planning at the local level. The UGI is a study that looks at how well cities are governed in India.

It took two years to complete and checked various aspects of governance.

#### **2.EXERCISE KAZIND:**

**RECENT:** The 8th edition of Exercise KAZIND is scheduled to be conducted from 30th September to 13th October 2024 at Surya Foreign Training Node, Auli, Uttarakhand.

It is a joint military Exercise held every year between India-Kazakhstan.

It will focus on operations in the semi-urban and mountainous terrain.

#### **3.CRUISE BHARAT MISSION:**

**RECENT:** The Union Minister of Ports, Shipping & Waterways (MoPSW) launched the 'Cruise Bharat Mission' from the Mumbai port.

It is aimed at boosting the tremendous potential of cruise tourism in the country.

To propel the country's cruise tourism industry by doubling cruise passenger traffic within five years; i.e. by 2029.

#### **4.WHITE GOODS:**

**RECENT:** The Department for Promotion of Industry and Internal Trade (DPIIT) asked white goods manufacturers to participate in large numbers to avail fiscal benefits under the production-linked incentive (PLI) scheme for the sector.

White goods traditionally refer to large home appliances such as stoves, refrigerators, freezers and washing machines.

Originally, such goods were only available in white, hence the designation.

Today, the same goods are offered in an array of colors but are still collectively referred to as white goods.

#### **5.RIVER KOSI:**

**RECENT:** Several regions of Bihar are facing severe flooding due to the heavy release of water from the Kosi Barrage in Birpur, following intense rainfall.

It is a transboundary river which flows through China, Nepal, and India.

It is a prominent tributary of the Ganges.

Kosi is known as the "sorrow of Bihar".

**Tributaries:** It has seven major tributaries: Sun Koshi, Tama Koshi or Tamba Koshi, Dudh Koshi, Indravati, Likhu, Arun, and Tamore or Tamar.



## DAILY DOSE

### **CURRENT AFFAIRS – 02/10/2024**

#### **1. OPERATION AMRITH:**

**RECENT:** Kerala has taken a significant step in combating antimicrobial resistance (AMR) by launching Operation Amrith, enforcing the 2011 H1 rule to prohibit the over-the-counter (OTC) sale of antibiotics.

To curb the irrational use of antibiotics by banning their sale without a prescription, reducing the rise of antimicrobial resistance (AMR).

#### **2. PILLBOX:**

**RECENT:** The monsoon season in Visakhapatnam has caused beach erosion, revealing historical World War II pillboxes that had long been buried under sand.

Pillboxes are small, concrete defense structures used during World War II, equipped with loopholes for firing weapons.

#### **3. GROYNES:**

**RECENT:** In a bid to resolve the extensive coastal erosion in Poonthura region in Kerala, the irrigation department is all set to construct eight groynes at a cost of Rs 17.5 crore.

These are active structure extending from the shore into the sea, most often perpendicular or slightly oblique to the shoreline.

They're usually made of wood, rock, or sometimes concrete and metal.

#### **4. OWLFLIES:**

**RECENT:** Rare species of owlfly species *Glyptobasis dentifera* has been rediscovered after 75 years from Kerala by researchers.

They come under Order Neuroptera, which includes holometabolous insects while the dragonflies come under Order Odonata, which includes hemimetabolous insects.

#### **5. BHAVISHYA SCHEME:**

**RECENT:** Department of Pension & Pensioners' Welfare (DOPPW) introduced a unique innovative centralized pension processing software called 'Bhavishya' for all central government Ministries/Departments

It is an online Pension Sanction & Payment Tracking System launched by the Department of Pension & Pensioners' Welfare.

It was made mandatory for all central civil Ministries and Departments w.e.f 01.01.2017.



## DAILY DOSE

### **CURRENT AFFAIRS – 03/10/2024**

#### **1.SARTHIE 1.0:**

**Recent** - the Department of Social Justice and Empowerment (DoSJE), Government of India, and the National Legal Services Authority (NALSA) launched the SARTHIE 1.0.

It is an initiative intended to empower disadvantaged communities, including Scheduled Castes (SCs), Other Backward Classes (OBCs), Senior Citizens, Transgender Persons, Victims of Alcoholism and Substance Abuse, persons engaged in the act of Begging, Denotified and Nomadic Tribes, and more.

#### **2. HONEY BADGER:**

**Recent** - for the first time a honey badger has been captured on camera in the Terai East Forest Division (TEFD) of Uttarakhand.

It is also known as the Ratel, and is related to skunks, otters, ferrets, and other badgers.

Honey badgers are omnivorous and nocturnal mammals that belong to the weasel family.

IUCN status - Least Concern.

#### **3. SICKLE CELL DISEASE:**

**Recent** - The pharmaceutical giant Pfizer announced it would voluntarily withdraw its sickle cell disease therapy, Oxbryta, from worldwide markets, owing to the emergence of clinical data that links “fatal events” to the drug.

It is an inherited blood disorder.

It is marked by flawed hemoglobin. Hemoglobin is the molecule in red blood cells (RBCs) that carries oxygen to the tissues of the body.

#### 4. LAKE PRESPA:

**Recent** - Sub-heading (H2) According to experts, of the 450 hectares of Little Prespa Lake in Albania, at least 430 hectares have been transformed into swamps or dried up.

It is one of the oldest tectonic lakes in Europe, and also the highest tectonic lake on the Balkan Peninsula.

It lies at the junction of three major geological masses: a granite massif on the East, a karstic massif belonging to Galicica on the West, and the Suva Gora on the South.

#### 5. DHARTI AABA JANJATIYA GRAM UTKARSH ABHIYAN:

**Recent** - Prime Minister launched the Dharti Aaba Janjatiya Gram Utkarsh Abhiyan in Jharkhand with an outlay of around Rs 80,000 crore.

It aims to foster holistic development in tribal villages, bringing transformative changes to the socio-economic landscape of the region.



## DAILY DOSE

### **CURRENT AFFAIRS – 04/10/2024**

#### **1.CLASSICAL LANGUAGE:**

**RECENT:** The Union Cabinet chaired by the Prime Minister of India has approved to confer the status of Classical Language to Marathi, Pali, Prakrit, Assamese and Bengali languages.

Once a language is designated as classical, the Ministry of Education provides various benefits to promote it.

Other Recognised Classical Languages are: Tamil ( 2004), Sanskrit (2005), Telugu( 2008), Kannada (2008), Malayalam( 2013) and Odia (2014).

#### **2.PM INTERNSHIP SCHEME:**

**RECENT:** The Prime Minister's Internship Scheme, which was announced by the Union Finance Minister during her Budget speech, was launched.

The pilot project will be implemented through an online portal managed by the Ministry of Corporate Affairs (MCA).

A monthly stipend of ₹4,500 will be provided to the interns from the central government via DBT (Direct Benefit transfer), with an additional ₹500 offset provided by the company's Corporate Social Responsibility (CSR) fund.

#### **3.PYGMY HOG:**



**RECENT:** Nine captive-bred pygmy hogs were released in western Assam's Manas National Park.

It is the smallest and rarest species of wild pig in the world.

It is one of the very few mammals that build its own home, or nest, complete with a 'roof'.

It is an indicator species as its presence reflects the health of its primary habitat, tall and wet grasslands.

IUCN: Critically Endangered

The Wildlife Protection Act, 1972: Schedule I

#### **4.MOUNT EREBUS:**

**RECENT:** Antarctica's second largest volcano, Mount Erebus, is spewing out gold dust, which has left scientists in complete shock.

It is the world's southernmost active volcano.

Location: It is situated on Ross Island, Antarctica.

#### **5.CHARON:**

**RECENT:** Scientists have detected the gases carbon dioxide and hydrogen peroxide on Pluto's largest moon, 'Charon'.

It is the largest of Pluto's five moons, about half the size of Pluto.

Charon orbits Pluto every 6.4 Earth days.





## DAILY DOSE

### **CURRENT AFFAIRS – 05/10/2024**

#### **1.MOTOR NEURON DISEASES:**

**RECENT** - Researchers developed DNA molecules which contain "invisibility cloak" sequences which can selectively target diseased cells in motor neuron disease.

It is a rare condition that progressively damages parts of the nervous system.

This leads to muscle weakness, often with visible wasting.

MND is also called amyotrophic lateral sclerosis (ALS) and Lou Gehrig's disease.

#### **2. ENVISTATS INDIA 2024:**

**RECENT** - The Ministry of Statistics and Programme Implementation (MoSPI) compiled and released the 7th consecutive issue of the publication "EnviStats India 2024: Environment Accounts".

It is compiled in accordance with the SEEA (System of Environmental-Economic Accounting)

The current publication which is seventh in series covers Energy Accounts, Ocean Accounts, Soil Nutrient Index and Biodiversity.

#### **3. CERES:**

**RECENT** - Researchers said Ceres is a very icy object that possibly was once a muddy ocean world.

It is a dwarf planet and the largest object in the asteroid belt between Mars and Jupiter.

It's the only dwarf planet located in the inner solar system.

#### 4. NATIONAL AGRICULTURE CODE:

**RECENT** - The Bureau of Indian Standards (BIS) has begun the process of formulating a National Agriculture Code (NAC), on the lines of the existing National Building Code and National Electrical Code.

It will cover the entire agriculture cycle, and will also contain a guidance note for future standardisation.

The code will have two parts. The first will contain general principles for all crops, and the second will deal with crop-specific standards for the likes of paddy, wheat, oilseeds, and pulses.

The NAC will serve as a guide for farmers, agriculture universities, and officials involved in the field.

#### 5. CHENCHUS:

**RECENT** - The Chenchus of Penukumadugu have lived in the dense Nallamala forests for centuries; however, their inability to keep up with the relentless pace of modernisation has led to dwindling work opportunities under the MGNREGA.

The Chenchus are a Telugu-speaking food-gathering tribe living in the Nallamalai forests of Andhra Pradesh.

They are listed as Scheduled Tribe in Andhra Pradesh.

They are a conservative tribal group and have not made many changes in their lifestyle or tried to adapt to modernity.



## DAILY DOSE

### **CURRENT AFFAIRS – 07/10/2024**

#### **1. HAMMERHEAD SHARKS:**

**RECENT:** Scientists discovered a new species of hammerhead shark named *Sphyrna alleni* from the Caribbean and the Southwest Atlantic.

There are nine species of Hammerhead Sharks, each with varying lengths.

The great hammerhead shark is the largest of all hammerhead species, reaching a maximum known length of 20 feet.

With all species but one (*Sphyrna gilberti*) being globally listed as Vulnerable, Endangered, or Critically Endangered by the IUCN.

#### **2. HIRAKUD DAM:**

**RECENT:** Built six decades ago, the canal network connected to Hirakud Dam, one of the biggest projects in eastern India, is all set to be renovated.

It is the longest dam in India and the longest earthen dam in the world.

Total Length: 25.79 km

The dam is built across the river Mahanadi at about 15 km upstream of Sambalpur town in the state of Odisha.

### 3.LAKE KIVU:

**RECENT:** At least 78 people are dead after a boat carrying 278 passengers capsized in eastern Congo's Lake Kivu.

It is one of the great lakes of East Africa, situated between the Democratic Republic of Congo (DRC) to the west and Rwanda to the east.

### 4.PASHTUNS:

**RECENT:** The Pakistan government banned the Pashtun Tahafuz Movement (PTM), a group which fights for the rights of ethnic Pashtuns, citing it as a threat to national security.

Pashtuns—also known as “Pathans” and “Pakhtuns”—are an ethnic group of people found throughout Afghanistan and Pakistan.

### 5.PROGERIA:

**RECENT:** Sammy Basso, who was the longest living survivor of the rare genetic disease progeria, recently died at the age of 28.

Progeria, also known as Hutchinson-Gilford progeria syndrome, is an extremely rare, progressive genetic disorder.

It causes children to age rapidly.

A tiny genetic mutation causes the disease.



## DAILY DOSE

### **CURRENT AFFAIRS – 08/10/2024**

#### **1.ADVANCED GLYCATION END PRODUCT:**

**Recent** - A diet rich in advanced glycation end products (AGEs) is among the leading causes of India being the world's diabetic capital, notes a first-of-its-kind clinical trial finding published.

AGEs (also known as glycotoxins) are harmful molecules formed by the glycation and oxidation of lipids and proteins.

Glycation is the process of combining other molecules with sugars.

Oxidation is the process of combining other molecules with oxygen.

#### **2. WORLD ASSOCIATION OF ZOOS AND AQUARIUMS:**

**Recent** - The WAZA suspended the membership of the Delhi Zoo over concerns about the treatment of its lone African elephant named Shankar.

It is the umbrella organization for the world zoo and aquarium community.

Established in 1935, it is the only organisation representing zoos and aquariums at the global level.

#### **3. STATE OF GLOBAL CLIMATE REPORT 2023:**

**Recent** - The new annual State of the Global Climate report, published recently by the World Meteorological Organisation (WMO), found that 2023 was the hottest year on record.

It is an annual report published by the World Meteorological Organization (WMO) since 2021.

It offers a comprehensive and consistent overview of water resources worldwide.

#### 4. NI-KSHAY POSHAN YOJANA:

**Recent** - The Union Health Ministry has doubled the monthly nutrition support under Ni-Kshay Poshan Yojana from the existing Rs 500 to Rs 1,000 per month for all TB patients, during treatment.

NPY was launched by the Ministry of Health and Family Welfare (MoH&FW) as a centrally sponsored scheme under the National Health Mission (NHM) in April 2018.

It is a direct benefit transfer (DBT) scheme under the National Tuberculosis Elimination Program (NTEP) in India.

Objective: Provides incentives for nutritional support to tuberculosis (TB) patients.

#### 5. WORLD TELECOMMUNICATION AND INFORMATION SOCIETY DAY:

**Recent** - The World Telecommunication Standardization Assembly (WTSA) of International Telecommunication Union (ITU) will be held in New Delhi from October 14 to 24, 2024.

It has been held every four years since 2002.

It serves as the governing conference of the International Telecommunication Union (ITU) Standardisation Sector (ITU-T).

It is one of the three world conferences organized by the International Telecommunication Union.



## DAILY DOSE

### **CURRENT AFFAIRS – 09/10/2024**

#### **1.NIJUT MOINA SCHEME:**

**RECENT:** The Assam government has started an important program called the 'Nijut Moina' scheme to fight against child marriage.

It provides monthly financial support, known as stipends, to girl students from Class 11 up to postgraduate levels. Here's how much they will receive:

Rs 1,000 for girls in Classes 11 and 12.

Rs 1,250 for girls studying for their degree.

Rs 2,500 for girls pursuing postgraduate studies.

#### **2.NATIONAL ANUBHAV SCHEME 2025:**

**RECENT:** In March 2015, the Prime Minister of India, Shri Narendra Modi, introduced the 'Anubhav' platform through the Department of Pension & Pensioners' Welfare.

**AIM:** To collect and highlight the valuable experiences of government employees.

#### **3.EXERCISE MALABAR:**

**RECENT:** The naval fleet exercise Malabar-2024 was flagged off at the Eastern N



aval Command (ENC), Visakhapatnam.

It takes place annually in the Indian Ocean and Pacific Oceans alternatively.

AIM: To strengthen cooperation and security in the Indo-Pacific region.

#### **4. HALARI DONKEY:**

**RECENT:** The endangered Halari donkeys, native to the Halar region of Gujarat, are considered to be intelligent animals which work closely with human beings.

It is native to the Halar region of Gujarat especially found in the in the semi-arid landscape of Jamnagar and Dwarka districts.

#### **5. MOUNT DHAULAGIRI:**

**RECENT:** Five Russian mountaineers lost their lives during an expedition on Mount Dhaulagiri.

It is the seventh-highest mountain in the world.

It has an elevation of 8,167 meters (26,795 feet) above sea level.

It is located in the Dhaulagiri Himal Mountain range of west-central Nepal and is part of the Himalayan Mountain range.

Dhaulagiri means "white mountain" in Sanskrit, and it is known for its snowy peaks and glaciers.



## DAILY DOSE

### **CURRENT AFFAIRS – 10/10/2024**

#### **1.EARLY BREAST CANCER DETECTION:**

**RECENT:** IIT Indore has introduced a new device for the early detection of breast cancer, specifically designed to help women in rural and remote areas.

The device uses Photoacoustic Spectral Response (PASR) technology, which combines light and sound to detect abnormal changes in tissue.

What makes this device special is its low cost.

#### **2.CHERENKOV TELESCOPE:**

**RECENT:** In Hanle, Ladakh, the Major Atmospheric Cherenkov Experiment (MACE), Asia's largest imaging Cherenkov telescope, was inaugurated at an impressive altitude of nearly 4,300 meters.

Although gamma rays, a form of high-energy radiation from space, cannot pass through the Earth's atmosphere, they create particles that release flashes of light called Cherenkov radiation when they interact with the atmosphere.

#### **3.NATIONAL MARITIME HERITAGE COMPLEX:**

**RECENT:** The Union Cabinet approved the development of the National Maritime Heritage Complex (NMHC) in Lothal, Gujarat.

Under the Sagarmala programme, the Ministry of Ports, Shipping, and Waterways is developing the NMHC, a world-class facility at Lothal, Gujarat.

#### **4.AGASTHYAMALAI BAMBOOTAIL:**

**RECENT:** A group of researchers discovered a new species of damselfly, Agasthyamalai Bambootail, from Manjadininnavila in Thiruvananthapuram district, Kerala.

It is a new species of damselfly.

It is a rare species belonging to the group of bambootails, so named because of their long cylindrical abdomen resembling a bamboo stalk.

#### **5.INS NIRDESHAK:**

**RECENT:** The Garden Reach Shipbuilders and Engineers (GRSE) Ltd delivered INS Nirdeshak to the Indian Navy.

It is the second in a series of four Survey Vessels (Large) being built by the Garden Reach Shipbuilders and Engineers.



## DAILY DOSE

### **CURRENT AFFAIRS – 11/10/2024**

#### **1.LIVING PLANET REPORT:**

**RECENT:** The Living Planet Report 2024 revealed that the average size of monitored wildlife populations has decreased by 73 per cent since 1970.

It is published biennially by World Wide Fund for Nature (WWF).

It is a comprehensive study of trends in global biodiversity and the health of the planet.

#### **2.FOOTROT DISEASE:**

**RECENT:** The footrot disease is killing the sheep and goats of Gaddi shepherds in Himachal Pradesh.

It is a highly contagious disease affecting the interdigital (between the toes) tissue of ruminants.

It is one of the most common causes of lameness in cattle and sheep and can result in serious economic loss.

#### **3.RED PANDA:**

**RECENT:** Padmaja Naidu Himalayan Zoological Park has been selected as a finalist for the World Association of Zoos and Aquariums (WAZA) Conservation Award 2024.

It is primarily an herbivorous, shy, solitary and arboreal animal.

It is considered an indicator species for ecological change.

IUCN Red list: Endangered

CITES: Appendix I

Wildlife Protection Act 1972: Schedule I.

#### **4.LUPEX:**

**RECENT:** The National Space Commission, India's apex body on space missions, cleared the fifth lunar mission, the Lunar Polar Exploration Mission.

It is a collaborative mission between ISRO and Japan Aerospace Exploration Agency (JAXA).

It features both a lander and a rover.

#### **5.KATKARI TRIBE:**

**RECENT:** Over 550 people from the Katkari tribe were recently given caste certificates in a special ceremony held at Male village, Pune.

It is a primitive tribe found in Maharashtra (Pune, Raigad, and Thane districts) and parts of Gujarat.

It is one of the 75 Particularly Vulnerable Tribal Groups (PVTGs) in India.



## DAILY DOSE

### **CURRENT AFFAIRS – 12/10/2024**

#### **1. ANACONDA STRATEGY:**

**RECENT** - Taiwan's navy commander claimed that the People's Liberation Army (PLA) is using an 'anaconda strategy' to squeeze the island nation.

It refers to a military strategy with the primary objective to suffocate the Confederacy economically and militarily, similar to how an anaconda snake coils around and asphyxiates its prey.

It was proposed by Union General Winfield Scott during the early stages of the American Civil War.

#### **2. MLALAD FUND:**

**RECENT** - the Delhi cabinet approved a 50% hike in MLA-LAD (local area development) funds.

It is modeled on a similar programme for MPs, providing funding for each constituency directly from the government.

While MLAs and MPs do not directly receive the funds, they can recommend projects for the scheme.

The amount provided under MLALAD Scheme is released in the form of Grant-in-aid for utilisation by the districts.

#### **3. ASTROSAT:**

**RECENT** - India's AstroSat and NASA's space observatories have captured dramatic eruptions from stellar wreckage around a massive black hole.

It is India's first dedicated multi-wavelength space observatory aimed at studying celestial sources in X-ray, optical, and UV spectral bands simultaneously.

It was launched by the Indian launch vehicle PSLV from Satish Dhawan Space Centre, Sriharikota, on September 28, 2015.

#### 4. BRAHMI INSCRIPTION:

**RECENT** - a Brahmi inscription was found in Dharanikota village at Amaravathi mandal in Palnadu district. The script on the inscription is written in Prakrit language and Brahmi characters of 2nd century C.E.

The Brahmi script is the earliest writing system developed in India after the Indus script.

It is one of the most influential writing systems; all modern Indian scripts and several hundred scripts found in Southeast and East Asia are derived from Brahmi.

#### 5. HORSESHOE CRABS:

**RECENT** - Horseshoe crabs have been around for millions of years, but their habitats are increasingly being degraded and study finds that they are also in demand for the medical industry.

It belongs to a class called Merostomata, living fossils, or those organisms that haven't changed in millennia. It is a marine chelicerate arthropod.

Four extant horseshoe crab species - American horseshoe crab (*Limulus polyphemus*), Tri-spine horseshoe crab (*Tachypleus tridentatus*), Coastal horseshoe crab (*Tachypleus gigas*), Mangrove horseshoe crab (*Carcinoscorpius rotundicauda*).

In India Odisha is the largest habitat of horseshoe crabs

Conservation status in India - Wildlife Protection Act 1972: Schedule IV

#### **IUCN Status:**

American horseshoe crab: Vulnerable

Tri-spine horseshoe crab: Endangered

The two other species are not listed yet





## DAILY DOSE

### **CURRENT AFFAIRS – 14/10/2024**

#### **1.SYNTHETIC MEDICAL IMAGING:**

**RECENT:** The rise of AI-generated synthetic medical images can provide an ethical, scalable, and cost-effective solution to the medical field.

It is generated by AI or computer algorithms without being captured by traditional imaging devices such as MRI, CT scans, or X-rays.

These images are entirely constructed using mathematical models or AI techniques like generative adversarial networks (GANs), diffusion models, and autoencoders.

#### **2.WATER CHESTNUT:**

**RECENT:** Water chestnut, grass-like sedge which grows in the Wular lake is in high demand during autumn in Kashmir.

It is known as goer in Kashmir, is an aquatic vegetable that grows in the Wular Lake in Kashmir.

It is popularly known as Singhara ka atta in India, it grows underwater.

#### **3.GODAVARI RIVER:**

**RECENT:** The Nashik Municipal Corporation (NMC) has planned to outsource 60 sanitary workers through a private agency to clean the Godavari River and its tributaries.

It is India's second-longest river after the Ganga and the third-largest in India, drains about 10% of India's total geographical area.

It is also called 'Dakshina Ganga', which translates into South Ganges River.

#### **4.MURINE THYPUS:**

**RECENT:** A 75-year-old man from Kerala who travelled to Vietnam and Cambodia was diagnosed with the bacterial disease murine typhus.

It is an infectious disease caused by the flea-borne bacteria *Rickettsia typhi*.

#### **5.KALLESHWAR TEMPLE:**

**RECENT:** A 13th-century stone inscription, or Veeragallu, has been recently uncovered during the renovation of the ancient Kalleshwar temple.

It is a Hindu temple located in the town of Bagali in the Davangere district of Karnataka.

It is one of the oldest temples in the region and is dedicated to Lord Shiva.



## DAILY DOSE

### **CURRENT AFFAIRS – 15/10/2024**

#### **1.SAMARTHAK:**

**RECENT:** India's first Multi-Purpose Vessel (MPV) project ship, built by L&T Shipyard for the Indian Navy, has been launched at L&T Kattupalli.

The launch of Samarthak is a big step forward for India's shipbuilding industry.

It aligns with the Indian government's efforts toward 'Aatmanirbhar Bharat' (Self-Reliant India) and the 'Make in India' campaign.

#### **2.ICDRA:**

**RECENT:** For the first time, India is hosting the 19th International Conference of Drug Regulatory Authorities (ICDRA) from 14th to 18th October 2024.

The country successfully vaccinated over a billion people and earned the nickname "Pharmacy of the World" for its large production of vaccines and medicines.

#### **3.JORDAN VALLEY:**

**RECENT:** The Shiite militia group, The Islamic Resistance in Iraq, claimed responsibility for conducting two drone strikes on Israeli sites in the Jordan Valley.

It is a rift valley in the Middle East in southwestern Asia.

It is located along the Jordan River and along Jordan's western border with Israel and the West Bank.

It comprises over a fifth of the territory of the West Bank.

#### **4.HABER-BOSCH PROCESS:**

**RECENT:** A hundred million tonnes of nitrogen are now removed from the atmosphere and converted into fertilizer via the Haber-Bosch process, adding 165 million tonnes of reactive nitrogen to the soil.

It is a process that fixes nitrogen with hydrogen to produce ammonia ( $\text{NH}_3$ )—a critical part in the manufacture of plant fertilizers.

It is considered by many scientists and scholars as one of the most important technological advances of the 20th century.

#### **5.BIOPOLYMERS:**

**RECENT:** The union minister inaugurated India's first Demonstration Facility for Biopolymers in Pune.

These are materials that have been manufactured from biological sources such as fats, vegetable oils, sugars, resins, and proteins.

The biopolymers have complex structures than synthetic polymers therefore they are more active in vivo.



## DAILY DOSE

### **CURRENT AFFAIRS – 17/10/2024**

#### **1.SAMARTH SCHEME:**

**RECENT:** The central government has extended the Samarth Scheme for two years (FY 2024-25 and 2025-26) with a budget of Rs. 495 Crore to train 3 lakh persons in textile-related skills.

The Scheme for Capacity Building in Textiles Sector (SAMARTH) is a demand-driven and placement-oriented umbrella skilling programme.

**AIM:** To incentivize and supplement the efforts of the industry in creating jobs in the organized textile and related sectors, covering the entire value chain of textiles, excluding Spinning and Weaving.

#### **2.BATTLE OF WALONG:**

**RECENT:** To mark the 62nd anniversary of the iconic battle of Walong during the 1962 war with China, the Army is planning a month-long series of commemorative events.

Set during the 1962 Sino-Indian War, it occurred at the easternmost tip of Arunachal Pradesh, near the tri-junction of India, China, and Myanmar.

#### **3.GLOBAL HUNGER INDEX:**

**RECENT:** In the 2024 report, India ranks 105th out of 127 countries, with a score of 27.3.

It is an annual report measuring hunger and malnutrition levels in countries worldwide.

This score places India in the category of countries facing “serious” levels of hunger.

#### **4.SCO SUMMIT 2024:**

**RECENT:** Pakistan will host the 2024 SCO Summit in Islamabad on October 15-16.

The Shanghai Cooperation Organisation (SCO) was established in 2001 as a security-focused group.

Iran is set to become a member soon.

#### **5.PROBA-3:**

**RECENT:** PROBA-3, led by the European Space Agency (ESA), is set to launch in November 2024.

PROBA-3 is ESA's first mission focused on precision formation flying.

The mission is an international effort, with contributions from different ESA member countries and ISRO.



## DAILY DOSE

### **CURRENT AFFAIRS – 18/10/2024**

#### **1.WORLD'S FREEST ECONOMY:**

**RECENT:** Hong Kong has regained its title as the freest economy in the world, surpassing Singapore, according to the Fraser Institute's Economic Freedom of the World report.

An economy that is based upon the principles of private enterprise and has a minimum of governmental restrictions.

#### **2.SCAM SE BACHO:**

**RECENT:** Meta, in partnership with the Indian government, launched a safety campaign called 'Scam se Bacho'.

This campaign will run for two months and is designed to help people in India learn how to avoid online scams.

#### **3.PETRA:**

**RECENT:** Archaeologists have uncovered a secret tomb in Petra, Jordan, revealing 2000-year-old skeletons and a chalice resembling the Holy Grail.

It is a historic and archaeological city located in southern Jordan. It became the capital of the Nabateans people, an Arab tribe, who were referred to in the Bible.

#### **4.WORLD ENERGY OUTLOOK 2024:**



**RECENT:** It is an annual report published by the International Energy Agency (IEA).

It is the most authoritative global source of energy analysis and projections.

### **5.AFRICAN PENGUIN:**

**RECENT:** A new study by an international team of researchers from South Africa and the United Kingdom has found that artificial nests can enhance the breeding success of African penguins.

It has a black stripe and a pattern of unique black spots on its chest, as well as pink glands above its eyes that become pinker as the penguin gets hotter. Males are larger than females and have larger beaks.

This penguin's average lifespan in the wild is 20 years.

Conservation status

IUCN: Endangered



## DAILY DOSE

### **CURRENT AFFAIRS – 19/10/2024**

#### **1.SPOTTED LOCUST:**

**RECENT** - Farmers in Idukki, Kerala, are now reeling under the menace of spotted locust infestation.

It is a colorful grasshopper belonging to the family Pyrgomorphidae found in South and Southeast Asia.

Scientific Name: Aularches miliaris

Habitat: They are found on bushes or grasses in the agricultural area or forest.

#### **2. NEXT GENERATION MISSILE VESSELS:**

**RECENT** - American engine manufacturer General Electric recently announced that its LM2500 marine engines have been chosen to power Indian Navy's Next Generation Missile Vessels (NGMV).

It would be heavily armed war vessels incorporating stealth, high speed, and offensive capability being built for the Indian Navy.

Six NGMVs are being built by government-run Cochin Shipyard Limited (CSL) at a cost of Rs 9,805 crore.

#### **3. SWIFT SYSTEM:**

**RECENT** - Russian envoy in India called for an alternative to the SWIFT system used for global payments, from which Russia was expelled after the beginning of war in Ukraine.

Society for Worldwide Interbanking Financial Telecommunication (SWIFT) is a member-owned cooperative that provides safe and secure financial transactions for its members.

It was founded in 1973 by 239 banks from 15 countries.

SWIFT is a network that banks use to communicate with each other securely, mainly to give instructions for transferring funds between accounts.

#### 4. MERA HOU CHONGBA FESTIVAL:

**RECENT** - people in Manipur celebrated the Mera Hou Chongba festival symbolizing unity amongst the indigenous people.

It is an annual festival observed in order to strengthen the cordial bond between the indigenous communities living in hills and valley people.

It is only a festival wherein both hills and valley indigenous communities are observed together in the State.

#### 5. YARS MISSILE:

**RECENT** - Russia is testing the combat readiness of a unit equipped with Yars intercontinental ballistic missiles in a region northwest of Moscow.

The Yars RS-24 (NATO designation SS-29) is a Russian-made mobile nuclear intercontinental ballistic missile (ICBM) that can be mounted on truck carriers or deployed in silos.

The missile is estimated to be 22.5 meters in length and 2 meters in diameter.

It is a three-stage, solid propellant, MIRV-capable (Multiple Independently Targetable Reentry Vehicles) ICBM.



## DAILY DOSE

### **CURRENT AFFAIRS – 21/10/2024**

#### **1.PYROCYSTIS NOCTILUCA:**

**RECENT:** Researchers described a species of bioluminescent phytoplankton, called *Pyrocystis noctiluca*, balloons to six times their original size of a few hundred microns.

It is unicellular marine plankton and produces bioluminescence in response to water movement.

Habitat: It is found in tropical and subtropical seas and oceans.

It is able to navigate vertically upward in the ocean by ballooning to six times its size.

#### **2.CONVENTION ON BIOLOGICAL DIVERSITY:**

**RECENT:** The 16th Conference of Parties (COP16) to the Convention on Biological Diversity (CBD) is set to begin in Cali, Colombia.

It was opened for signing at the UN Conference on Environment and Development in Rio de Janeiro in 1992.

#### **3.KAMENG RIVER:**

**RECENT:** An Indian Air Force (IAF) havildar and his 14-year-old son were swept away by strong currents in the Kameng River.

It is one of the chief tributaries of the Brahmaputra River.

It flows in Arunachal Pradesh and Assam.

It is referred to as the "Jia Bharali" in Assam's higher reaches. The river is also known as the Bhareli in some areas.

#### **4.NATIONAL WATER AWARDS:**

**RECENT:** The Hon'ble President of India will confer the 5th National Water Awards 2023 on October 22nd 2024 at Vigyan Bhawan, New Delhi.

The first edition of the National Water Awards was introduced by the Department of Water Resources, River Development and Ganga Rejuvenation in 2018.

Focuses on the good work and efforts made by individuals and the organizations across the country in attaining the government's vision of a 'Jal Samridh Bharat'.

#### **5.EXERCISE NASEEM-AL-BAHR:**

**RECENT:** INS Trikand and Dornier Maritime Patrol Aircraft, participated in the Indo-Oman bilateral naval exercise Naseem-Al-Bahr held in Goa.

It is a bilateral naval exercise between India and Oman.

The exercise was conducted in two phases: with the harbour phase followed by the sea phase.



## DAILY DOSE

### **CURRENT AFFAIRS – 22/10/2024**

#### **1.MALARIA:**

**Recent** - Egypt was officially declared 'malaria-free' by the World Health Organization (WHO).

It is an acute febrile illness caused by Plasmodium parasites, which are spread to people through the bites of infected female Anopheles mosquitoes.

It is a life-threatening disease primarily found in tropical countries.

#### **2. INTERNATIONAL ATOMIC ENERGY AGENCY:**

**Recent** - The 2024 edition of the IAEA's Climate Change and Nuclear Power report has been released, highlighting the need for a significant increase in investment to achieve goals for expanding nuclear power.

It is the world's foremost intergovernmental forum for scientific and technical cooperation in the nuclear field.

It is widely known as the world's "Atoms for Peace and Development" organization within the United Nations family.

#### **3. BIOLUMINESCENCE:**

**Recent** - Chennai experienced a captivating natural spectacle as bioluminescent waves illuminated its coastline, drawing the attention of both residents and tourists.

It is a natural phenomenon produced by certain marine organisms, primarily microscopic plankton called dinoflagellates.

These planktons emit light on the ocean surface at night.

#### 4. HORNETS:

**Recent** - According to a recent study, a species of hornet that often munches on foods containing alcohol can hold its liquor, without any side effects, at levels that no other known animal can tolerate.

Hornets are a breed of social wasps, living in large, highly organized colonies.

They are a group of 20 species occurring naturally only in Asia, Europe, and Africa, with one species introduced to North America.

Hornets tend to be black or brown with yellow or yellowish markings.

#### 5. e-SHRAM PORTAL:

**Recent** - the Union Minister of Labour & Employment and Youth Affairs & Sports launched e-Shram One Stop Solution in New Delhi.

It will provide seamless access of different Social Security Schemes to the unorganised workers registered on eShram portal.

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## DAILY DOSE

### **CURRENT AFFAIRS – 23/10/2024**

#### **1.CLOUD CHAMBER:**

**RECENT:** India is establishing a first-of-its-kind cloud chamber at the Indian Institute of Tropical Meteorology (IITM), Pune.

A cloud chamber is a scientific apparatus that mimics the conditions required for cloud formation.

It resembles a closed cylindrical or tubular drum, inside which water vapour, aerosols, etc. are injected.

#### **2.SPACE DOCKING EXPERIMENT(SPADEX):**

**RECENT:** Hyderabad-based company handed over two 400 kg class satellites to ISRO, which will be part of the Space Docking Experiment planned by the space agency later this year.

It is one of ISRO's most significant steps towards developing autonomous docking technology.

The mission involves two vehicles—‘Chaser’ and the ‘Target’—coming together and connecting in space.

It is key to achieving India's long-term space exploration goals, including manned spaceflight, satellite maintenance, and future space station construction.

#### **3.ANGUICULUS DICAPRIOI:**

**RECENT:** A team of scientists have discovered a new species of snake in the Western Himalayas, whom they have named after Hollywood star, Leonardo Di Caprio.

It is a member of the Colubridae, the largest family of snakes on the planet with 304 genera and 1,938 species.

A colubrid is any of the numerous, diverse, largely nonvenomous snakes that comprise the reptile family Colubridae.

#### **4.PINK COCAINE:**

**RECENT:** Pink cocaine has gained notoriety as a party drug.

Reports indicate that Liam Payne, a former member of One Direction, had pink cocaine in his system at the time of his death.

It is a mixture that often includes a stimulant and a depressant.

#### **5.MISSION MAUSAM:**

**RECENT:** Mission Mausam was launched by the Government of India in September 2024.

**AIM:** To enhance weather forecasting and manage specific weather events. The mission seeks to control rainfall, hail, fog, and later, lightning strikes.



## DAILY DOSE

### **CURRENT AFFAIRS – 24/10/2024**

#### **1. CREPIDIUM ASSAMICUM:**

**RECENT:** A new orchid species, *Crepidium assamicum*, has been discovered in Assam's Dibru-Saikhowa National Park.

It has a larger flower cover compared to other orchids in its genus.

The new species has been provisionally assessed as Threatened according to the IUCN Red List Categories and Criteria (2024).

#### **2. SWAVLAMBAN SHAKTI EXERCISE:**

**RECENT:** The Indian Army concluded the Swavlamban Shakti exercise. This integrated training event took place at Babina Field Firing Ranges.

The exercise lasted six days, starting on October 17.

AIM: To test new technologies developed by the Indian defence industry.

#### **3. LAKE ERIE:**

**RECENT:** Research has shown that toxins from these bacteria called microcystin can make animals and people sick when they come into contact with infected water of Lake Erie.

It is the fourth largest of the five Great Lakes of North America.

It forms the boundary between Canada (Ontario) to the north and the United States to the west, south, and east.

#### **4.PM YASASVI:**

**RECENT:** The Ministry of Social Justice and Empowerment has implemented the PM Young Achievers Scholarship Award Scheme for Vibrant India (PM-YASASVI).

It is a comprehensive umbrella scheme aimed at uplifting students from Other Backward Classes (OBC), Economically Backward Classes (EBC), and Denotified Tribes (DNT) by providing them with access to quality education during their formative years.

#### **5.GIANT SALMON CORP:**

**RECENT:** A huge Giant salmon carp fish in the Mekong River thought to be extinct has been spotted three times in recent years.in

It is also known as the Mekong giant salmon carp, is a species of freshwater fish in the family Cyprinidae and the single species in the monotypic genus Aaptosyax.

Conservation status

IUCN: Critically Endangered.



## DAILY DOSE

### **CURRENT AFFAIRS – 25/10/2024**

#### **1. INDIAN COUNCIL FOR CULTURAL RELATIONS:**

**Recent** - The Indian Council for Cultural Relations (ICCR) held a conference of Buddhist monks and scholars in Colombo on bequeathing Pali the status of a classical language by the Indian government.

It is an autonomous body under the Ministry of External Affairs, Government of India, involved in India's external cultural relations through cultural exchange with other countries and their people.

It promotes, through its network of cultural centres, Indian culture abroad.

ICCR was founded in 1950 by Maulana Abul Kalam Azad, independent India's first Education Minister.

#### **2. INTERNATIONAL ASSOCIATION OF PORTS AND HARBOUR:**

It is a non-governmental organization (NGO) established in November 1955.

It aims to be the global trade association of choice for port authorities and operators, representing their interests at regulatory level at the International Maritime Organization, the World Customs Organization, the International Standards Organization and other global alliances.

Headquarter: Tokyo, Japan.

#### **3. EXERCISE SIMBEX:**

**Recent** - The 31st edition of the Singapore India Maritime Bilateral Exercise (SIMBEX) is scheduled from 23 to 29 Oct 2024, in the Eastern Naval Command at Visakhapatnam.

It is an annual bilateral Naval exercise between the Indian Navy and the Republic of Singapore Navy (RSN).

It has been conducted since 1994.

#### **4. ASIAN GOLDEN CAT:**

Recent - After a long absence, the Asiatic golden cat has been spotted again in Assam's Manas National Park, marking a significant conservation success.

It is a medium sized cat with relatively long legs.

Other names: They are known as the “fire cat” in Thailand and Burma, and as the “rock cat” in parts of China.

IUCN status : Near threatened

CITES: Appendix I

Wildlife (Protection) Act of India, 1972: Schedule 1

#### **5. GRAM PANCHAYAT LEVEL WEATHER FORECASTING INITIATIVE:**

The initiative is developed in collaboration between the Ministry of Panchayati Raj (MoPR) and the India Meteorological Department (IMD), Ministry of Earth Sciences (MoES).

It is aimed at “empowering rural communities and enhancing disaster preparedness at the grassroots, and will benefit farmers and villagers across the country”



## DAILY DOSE

### **CURRENT AFFAIRS – 26/10/2024**

#### **1.ASIATIC GOLDEN CAT:**

**RECENT:** The Asiatic golden cat has been spotted in Assam's Manas National Park.

It inhabits regions in southern China, Southeast Asia, and Northeast India.

IUCN STATUS: Near Threatened.

#### **2.INDIA'S FIRST WRITERS VILLAGE:**

**RECENT:** Ramesh Pokhriyal Nishank, former Chief Minister of Uttarakhand, will inaugurate a unique initiative called 'Writers' Village' (Lekhak Gaon) near Dehradun.

AIM: To provide a dedicated space for writers and artists to gather, create, and collaborate.

#### **3.SIMBEX 2024:**

**RECENT:** The 31st edition of the Singapore-India Maritime Bilateral Exercise (SIMBEX) is taking place from 23 to 29 October 2024 in Visakhapatnam.

SIMBEX started in 1994 as 'Exercise Lion King'.

It has evolved into a key maritime collaboration between the Indian Navy and the Republic of Singapore Navy (RSN).



#### **4.ASOLA BHATTI WILDLIFE SANCTUARY:**

**RECENT:** The Delhi High Court directed local authorities to shift all the monkeys of the Capital to the Asola Bhatti Wildlife Sanctuary on priority.

It lies in southern Delhi and the northern parts of Faridabad and Gurugram districts of Haryana state.

#### **5.GREAT EARED NIGHTJAR:**

The name 'nightjar' comes from the bird's nocturnal habits and the fact that its calls are often described as jarring.

Conservation status

IUCN: Least Concern

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## DAILY DOSE

### **CURRENT AFFAIRS – 28/10/2024**

#### **1.GREAT INDIAN BUSTARDS:**

**RECENT:** In a groundbreaking feat, a baby great Indian bustard was born via artificial insemination (AI) at the Sudasari Great Indian Bustard Breeding Centre in Jaisalmer district of Rajasthan.

It is a bustard found on the Indian subcontinent.

It is among the heaviest of the flying birds.

IUCN: Critically Endangered.

Wildlife (Protection) Act, 1972: Schedule 1

CITES: Appendix 1.

#### **2.GULF OF OMAN:**

**RECENT:** Saudi Arabia and Iran have recently conducted joint naval exercises in the Sea of Oman, as relations strengthen between the long-time regional rivals.

The Gulf of Oman, also known as the Gulf of Makran, is the western extension of the Arabian Sea and lies in the Middle East.

It forms the only entrance to the Persian Gulf from the Indian Ocean.

#### **3.TRITON ISLAND:**

**RECENT:** Satellite imagery reveals a significant military buildup on Triton Island, the closest landmass in the disputed Paracels archipelago to Vietnam.

It is a tiny island that's part of the Paracel Islands chain located in the South China Sea.

It covers a tiny area of about 1.2 square kilometers and is situated southwest of the main islands in the group.

#### **4.SAMBHAR LAKE:**

**RECENT:** Over 40 migratory birds, belonging to two to three different species, have been found dead around Sambhar Lake.

It is the largest saltwater lake in India.

It is located in the districts of Nagaur and Jaipur in Rajasthan.

#### **5.SOHRAI PAINTING:**

**RECENT:** The Prime Minister of India gifted Sohrai painting to the Russian President during the BRICS summit in Kazan.

It is an indigenous mural art form.

It is also interesting to note that the word 'Sohrai' comes from soro – translating to 'to drive with a stick'.

This art form dates back to the Meso-chalcolithic period (9000-5000 BC).

The region of Hazaribagh in Jharkhand that has received the GI tag for this art form.



## DAILY DOSE

### **CURRENT AFFAIRS – 29/10/2024**

#### **1.UTTARAKHAND BIRD FESTIVAL:**

**RECENT:** The 8th Uttarakhand Bird Festival took place from October 18 to 20, 2024, at Benog Wildlife Sanctuary, near Mussoorie.

The festival featured notable bird sightings, including species like the Yellow-rumped Honeyguide, Long-tailed Broadbill, and Wallcreeper.

#### **2.NEMALINE MYOPATHY:**

Nemaline myopathy is a rare muscle disorder.

It primarily impacts skeletal muscles, which are essential for movement.

The condition leads to muscle weakness throughout the body.

#### **3.ULPIN:**

**RECENT:** Approximately 30% of rural land parcels in India have received a Unique Land Parcel Identification Number (ULPIN).

This initiative aims to assign a 14-digit alpha-numeric identity to each land parcel.

The data is sourced from the Ministry of Rural Development's portal.

#### **4.MOUNT FUJI:**

**RECENT:** Japan's Mount Fuji remained snow-less the latest date that its majestic slopes have been bare since records began 130 years ago.

Mount Fuji, also known as Fuji-san, is the highest mountain in Japan, standing at 3,776 meters.

Unlike other famous high-elevation mountains in the world, Mt. Fuji is not part of a large mountain range.

#### **5.PRADHAN MANTRI VANBANDHU KALYAN YOJANA:**

It is a landmark initiative that was launched on October 28, 2014. It aims to empower tribal communities in India, recognizing their historical neglect. The initiative not only provides financial assistance but also establishes a framework for sustainable development.

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## DAILY DOSE

### **CURRENT AFFAIRS – 30/10/2024**

#### **1. CIVIL REGISTRATION SYSTEM MOBILE APP:**

**Recent** - Union Home Minister recently launched the Civil Registration System (CRS) mobile application to “integrate technology with governance. It is designed to facilitate the registration of births and deaths across India. It was developed by the Registrar General and Census Commissioner of India.

**Aim** - to simplify and expedite the registration process for citizens, making it more accessible and efficient.

#### **2. NORTH ATLANTIC RIGHT WHALES:**

**Recent** - A group of researchers that studies the whales said that the population of North Atlantic right whales increased about 4% from 2020 level after the whale's population fell by about 25% from 2010 to 2020.

These whales are migratory animals, spending the winter in warmer waters and migrating to the poles for cooler waters in late summer.

These whales inhabit the temperate and subpolar waters of the north Atlantic and north Pacific oceans.

**IUCN status:** Critically endangered

**CITES:** Appendix I

### 3. MISSION FOR INTEGRATED DEVELOPMENT OF HORTICULTURE:

**Recent** - The Union Government has reportedly decided to include four new components – Hydroponics, Aquaponics, Vertical Farming, and Precision Agriculture – under the Mission for Integrated Development of Horticulture (MIDH).

A Central Sponsored Scheme (CSS) is being implemented w.e.f. 2014-15 for holistic growth of the horticulture sector.

It promotes the cultivation of fruits, vegetables, root and tuber crops, mushrooms, spices, flowers, aromatic plants, coconut, cashew, cocoa and bamboo.

### 4. PRANAHITA WILDLIFE SANCTUARY:

**Recent** - The National Board for Wildlife's decision to defer road expansion projects affecting the Pranhita wildlife sanctuary reflects growing environmental concerns.

Location: Adilabad district of Telangana.

### 5. GREENHOUSE GAS BULLETIN:

**Recent** - According to a new report, greenhouse gas levels surged to a new record in 2023, rising by more than 10% in just two decades.

It has been published annually since 2004 by the World Meteorological Organization.

It shows globally averaged surface mole fractions for carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>) and nitrous oxide (N<sub>2</sub>O) and compares them with the mole fractions during the previous year and with preindustrial levels.





## DAILY DOSE

### **CURRENT AFFAIRS – 31/10/2024**

#### **1. KONARK WHEELS:**

**Recent** - Four replicas of the Konark wheels, made of sandstone, have been installed at Rashtrapati Bhavan Cultural Centre and Amrit Udyan.

This initiative aims to highlight India's cultural heritage, presenting visitors with a glimpse of traditional and historical artistry associated with the 13th-century Konark Sun Temple in Odisha.

Built in the 13th century under King Narasimhadeva I of the Eastern Ganga Dynasty, the temple is located in Konark, Odisha.

#### **2. TARUN PLUS:**

**Recent** - In July 2024, the finance minister announced an increase in the loan limit to ₹20 lakh, effective from October 24, 2024, under the new Tarun Plus category in Pradhan Mantri MUDRA Yojana.

The scheme was launched on April 8, 2015.

**Ministry** - The Ministry of Finance.

#### **Loan categories:**

**Shishu:** Loans up to ₹50,000 for nascent businesses.

**Kishore:** Loans between ₹50,000 and ₹5 lakh for slightly developed businesses.

**Tarun:** Loans above ₹5 lakh up to ₹10 lakh for mature businesses.

**Tarun Plus:** New category with loans from ₹10 lakh to ₹20 lakh for successful Tarun borrowers.

### 3. TRANSPONDER TECHNOLOGY:

**Recent** - The Department of Fisheries with the help of the Vessel Communication and Support System under the Pradhan Mantri Matsya Sampada Yojana has been able to enhance the safety and security of fishermen at sea.

This initiative, utilizing indigenous transponder technology developed by ISRO and implemented by New Space India Ltd (NSIL).

A transponder is a wireless device that receives incoming signals, amplifies them, and transmits a modified signal back.

### 4. AYUSHMAN VAYA VANDANA CARD:

**Recent** - Prime Minister recently launched the Ayushman Vaya Vandana Card as an extension of the Ayushman Bharat Pradhan Mantri Jan Arogya Yojana (AB PM-JAY).

This card aims to ensure free healthcare for every citizen aged 70 years and above, providing an annual coverage of up to ₹5 lakh.

### 5. BANDHAVGARH TIGER RESERVE:

**Recent** - Four elephants were found dead, with five others in poor health, at Bandhavgarh Tiger Reserve in Madhya Pradesh.

Situated between the Vindhyan and Satpura ranges in Umaria district, Madhya Pradesh.