



## DAILY DOSE

### **CURRENT AFFAIRS – 01/08/2025**

#### **1. GRANT IN AID TO NCDC SCHEME:**

**Recent** - The Union Cabinet, chaired by the Prime Minister, recently approved the Central Sector Scheme “Grant in Aid to National Cooperative Development Corporation (NCDC).

It is a Central Sector Scheme with an outlay of ₹2,000 crore for a period of four years from 2025-26 to 2028-29 (₹500 crore each year from FY 2025-26).

The grant of ₹2,000 crore will be sourced through budgetary support from the Government of India.

The approved grant will enable NCDC to raise ₹20,000 crore from the open market over the next four years.

These funds will be utilised by NCDC for granting loans to Cooperatives for setting up new projects/expansion of plants, and loans for meeting the working capital requirements.

#### **2. SUPPLY AND USE TABLE:**

**Recent** - the Ministry of Statistics and Programme Implementation (MoSPI) has released the ‘Supply and Use Tables of 2020-21 and 2021-22’.

It represents a detailed snapshot of all economic activities taking place in the economy.

They are powerful analytical tools that present the structure of an economy as well as interlinkages among the various economic actors

#### **3. DOCTRINE OF MERGER:**

**Recent** - The Supreme Court recently emphasized that the application of the Doctrine of Merger, in every case, should be accompanied by an awareness of its limitations and should not be wielded to close avenues for addressing genuine concerns.

The Doctrine of Merger is a common law doctrine founded on the principle of maintenance of decorum and propriety in the functioning of Courts and Tribunals and preserving the sanctity of the justice delivery system.

It provides that when an appellate court passes an order, the order passed by the lower court is merged with that order.

#### **4. PIPRAHWA GEMS:**

**Recent** - The Ministry of Culture, Government of India, proudly announced the historic return of the sacred Piprahwa relics of Lord Buddha to their rightful home in India.

These are associated with the mortal remains of Lord Buddha.

**Key Features:** The Piprahwa Relics, which include bone fragments, soapstone and crystal caskets, a sandstone coffer, and offerings such as gold ornaments and gemstones.

An inscription in Brahmi script on one of the caskets confirms these as relics of the Buddha, deposited by the Sakya clan.

#### **5. INS HIMGIRI:**

**Recent** - INS Himgiri (Yard 3022) was delivered to the Indian Navy at GRSE, Kolkata.

It is the third ship of Nilgiri Class (Project 17A) and the first of the class built at Garden Reach Shipbuilders & Engineers (GRSE),

It is a reincarnation of the erstwhile INS Himgiri, a Leander-class frigate, that was decommissioned on 06 May 2005 after 30 years of glorious service to the nation.

It is designed by the Warship Design Bureau (WDB) and overseen by the Warship Overseeing Team (Kolkata).



## DAILY DOSE

### **CURRENT AFFAIRS – 02/08/2025**

#### **1. PROJECT SIMON:**

**RECENT:** The International Space Station (ISS) has integrated advanced artificial intelligence (AI) robots to assist astronauts during extended missions.

Cimon, short for Crew Interactive MOBILE companionN, is an AI assistant developed by Airbus, IBM, and the German Space Agency.

It was launched to the ISS in 2018.

#### **2. BARBADOS THREADSNAKE:**

**RECENT:** The Barbados threadsnake, the world's smallest-known snake, was rediscovered in 2025 after nearly two decades without a confirmed sighting.

The Barbados threadsnake (*Tetracheilostoma carlae*) is a blind, burrowing snake.

It feeds on termites and ants and lays a single slender egg.

Fully grown, it measures only about 10 centimetres (four inches) long.

Its small size allows it to fit comfortably on a coin, making it difficult to detect.

#### **3. DEBRIGARH SANCTUARY:**

**RECENT:** The Odisha government has announced plans to introduce tigers into Debrigarh Wildlife Sanctuary in Bargarh district.

Debrigarh Wildlife Sanctuary is located in Bargarh district near Hirakud Dam on the Mahanadi River.

It spans about 347 square kilometres. Established in 1985, the sanctuary is a biodiversity hotspot.

#### **4.SAKSHAM NIVESHAK CAMPAIGN:**

**RECENT:** The Investor Education and Protection Fund Authority (IEPFA) under the Ministry of Corporate Affairs launched the Saksham Niveshak campaign in 2025.

The campaign was initiated to address the issue of unclaimed dividends held by companies.

Many shareholders remain unaware of dividends owed to them due to outdated records or lack of communication.

#### **5.CASCADE SCHENGEN VISA:**

**RECENT:** The European Commission introduced a new fast-track Schengen visa system for Indian travellers.

A Schengen visa permits non-EU nationals to enter and move freely within the Schengen Area.

The area includes 29 countries, mostly EU members and some European Free Trade Association states.

Visa holders can stay up to 90 days within any 180-day period.



## DAILY DOSE

### **CURRENT AFFAIRS – 04/08/2025**

#### **1. BIO FORTIFIED POTATOES:**

**Recent** - India is taking a significant step in tackling micronutrient deficiencies and improving agricultural sustainability by introducing bio-fortified potatoes with enhanced iron content, developed by the International Potato Center (CIP) based in Peru.

Bio-fortified potatoes are a new variety enriched with higher iron content aimed at addressing iron deficiency and hidden hunger. These are developed using conventional breeding and biotechnology without altering taste or yield.

The initiative is led by the International Potato Centre (CIP), based in The CIP is a global research leader in tuber crops and is working actively to promote nutritionally improved potatoes in India.

Biofortification is the process of enhancing the nutrient content of crops using conventional breeding, agronomic techniques, or modern biotechnology.

#### **2. COLLUSIVE LITIGATION:**

**Recent** - The Supreme Court has taken a suo motu cognisance of "collusive litigations" by officials of the Bengaluru Development Authority (BDA) recently.

It is defined as a lawsuit where the parties involved are not genuinely adversarial, but rather cooperate to achieve a desired outcome or to challenge the constitutionality of a law.

These suits often involve a degree of cooperation between the parties, who may share a common goal or interest in the outcome.

### **3. SAWALKOTE HYDROPOWER PROJECT:**

**Recent** - Months after India put the Indus Waters Treaty (IWT) on hold, it is now moving to revive a long-stalled Sawalkote hydropower project on the Chenab – first envisioned six decades ago but held back by the very treaty with Pakistan.

It is a 2,185 megawatt (MW) run-of-the-river hydroelectric plant proposed on the Chenab River in the Ramban District of Jammu and Kashmir.

It will be the largest hydroelectric project in the Union Territory and one of the biggest in North India.

The project was first conceptualised in the 1980s and revised several times due to environmental and technical concerns.

### **4. HQ-16 MISSILE:**

**Recent** - The United States military publicly unveiled a mockup of a Chinese HQ-16 surface-to-air missile system, drawing attention at this year's Experimental Aircraft Association 'AirVenture Show' in Oshkosh, Wisconsin.

The HQ-16, known by its NATO designation CH-SA 16, is a medium-range surface-to-air missile (SAM) system developed by China and based heavily on Russia's Buk missile family.

It is designed to engage enemy aircraft, cruise missiles, helicopters, and unmanned aerial vehicles.

### **5. EL SALVADOR:**

**Recent** - Recently, El Salvador's ruling party passed a bill that will allow indefinite presidential reelection and extend presidential terms to six years.

It is a small mountainous Central American nation.

Bordered by: It is bordered by Honduras to the northeast; Guatemala to the northwest and by the Pacific Ocean to the south.

It is the only Central American nation without a coast on the Caribbean.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 05/08/2025**

#### **1. NATIONAL HIGHWAYS AND INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED:**

**Recent** - The traffic from Sikkim and Kalimpong to Siliguri and vice versa on NH10 remained suspended because of repairs by the National Highways & Infrastructure Development Corporation Limited on a 30 km-long stretch following a landslide and cave-ins.

It is a Central Public Sector Undertaking (CPSU) under the Ministry of Road Transport & Highways, Government of India.

The company was incorporated on the 18th of July, 2014, under the Companies Act, 2013.

It is a wholly owned Government entity.

#### **2. SAHEL REGION:**

**Recent** -Russia has tightened its grip over the Sahel region in West Africa, signing a key nuclear agreement with Niger recently.

It is a semiarid region of western and north-central Africa.

A 5,000 kilometre belt of land, the Sahel stretches from Africa's Atlantic Coast to the Red Sea.

It forms a transitional zone between the arid Sahara (desert) to the north and the belt of humid savannas to the south.

It runs through portions of the countries of Senegal, Mauritania, Mali, Burkina Faso, Niger, Nigeria, Chad, Sudan, and Eritrea).

#### **3. RS-28 SARMAT:**

**Recent** - As tensions escalate between the United States and Russia, the spotlight is back on one of the deadliest weapons in Russia's nuclear arsenal, the RS-28 Sarmat intercontinental ballistic missile (ICBM), dubbed 'Satan 2' by NATO.

The RS-28 Sarmat is Russia's new generation intercontinental ballistic missile.

It is named after the Sarmatian people of the fourth and fifth century BC.

It has also been referred to in the West as the "Satan II".

It is a three-stage, liquid-fueled missile with a range of 18,000 km and a launch weight of more than 208 tonnes.

It is the world's heaviest ICBM.

#### **4. MAHABODHI TEMPLE:**

**Recent** - The Supreme Court recently agreed to review a petition seeking the repeal of the Bodh Gaya Temple Act of 1949, advocating for its replacement with a central law to better manage the Mahabodhi Temple in Bihar.

It is one of the four most sacred sites of Buddhism, marking the location where Buddha attained Enlightenment (Bodhi), along with: Lumbini (Buddha's birthplace), Sarnath (Buddha's first sermon), Kushinagar (Buddha's parinirvana).

Location: Bodh Gaya, Bihar, on the banks of the Niranjana River.

The first temple at the site was constructed by the Mauryan emperor Ashoka in the 3rd century BC.

The present temple was built in the 5th-6th century AD, in the Gupta period.

#### **5. ASIAN GIANT TORTOISE:**

**Recent** - Recently, the Asian giant tortoise, the largest tortoise in mainland Asia, has been reintroduced into the Zeliang Community Reserve in Nagaland's Peren district.

The Asian Giant Tortoise (*Manouria emys phayrei*) is the largest tortoise in Asia.

It is considered to be one of the oldest tortoise lineages in the world. And these ancient tortoises share an interesting behavior with many crocodilians—to protect their eggs and maintain appropriate temperatures for incubation.

**Appearance:** As hatchlings, these tortoises appear a grayish brown, and become more charcoal colored as they mature into adulthood.

**Habitat:** The Asian Giant Tortoise can be found in the tropical and subtropical hill forests.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 06/08/2025**

#### **1. PAHAL SCHEME:**

**Recent** - The Indian government has deactivated more than 4 crore duplicate or inactive domestic LPG connections under its PAHAL direct benefit transfer scheme, the Petroleum Minister told parliament recently.

Pratyaksh Hanstantrit Labh/Direct Benefits Transfer For LPG (PAHAL) scheme, launched by the Ministry Of Petroleum and Natural Gas, is India's Direct Benefit Transfer (DBT) system for LPG subsidies.

Instead of subsidized cylinders being delivered directly, the consumer pays the full market price for LPG and the government transfers the subsidy amount to the registered bank account.

It covers over 17 crore LPG consumers nationwide, making it the largest cash transfer program globally.

#### **2. INDRI LEMUR:**

**Recent** - Joint research has, for the first time, ascertained the composition of the intestinal microbiome of the indri, a critically endangered lemur only found in the north-east of Madagascar.

Indri, or babakoto in the local language, is the largest of the surviving lemur species.

Scientific Name: *Indri indri*

Found only in remote parts of northeastern Madagascar.

Resides in coastal and montane rainforest from sea level to 1,800m.

#### **3. INDIA CINE HUB PORTAL:**

**Recent** - Recently, the central government urged states to use India Cine Hub Portal to facilitate Global film Production locally.

It was launched on June 28, 2024.

It is a single-window system streamlining filmmaking permissions, incentives, and resource mapping across India.

It was set up by the Ministry of Information & Broadcasting, Government of India in the National Film Development Corporation (NFDC) with a view to promote and facilitate film shootings by foreign filmmakers in India.

#### **4. BIMSTEC:**

**Recent** - The first-ever BIMSTEC Traditional Music Festival was recently held at Bharat Mandapam in New Delhi.

It is a grouping of seven member states lying in the littoral and adjacent areas of the Bay of Bengal.

The organization came into existence on 6 June 1997 through the 'Bangkok Declaration'.

**Membership:** It is a unique link connecting South Asia with Southeast Asia - five Members from South Asia (Bangladesh, Bhutan, India, Nepal, and Sri Lanka) and two from South-East Asia (Myanmar and Thailand).

#### **5. LEAP-1 MISSION**

**Recent** - A budding space tech startup Dhruva Space from India, is set to launch its first commercial satellite mission called LEAP-1.

It is Dhruva Space's first commercial satellite mission, which is carrying payloads for AI and Earth observation.

It utilises Dhruva Space's indigenously developed P-30 satellite platform which was successfully space-qualified during the LEAP-TD mission on ISRO's PSLV-C58 in January 2024.

It is developed by Dhruva Space and Australia-based Akula Tech and Esper Satellites.



## DAILY DOSE

### **CURRENT AFFAIRS – 07/08/2025**

#### **1. SMITHOPHIS LEPTOFASCIATUS:**

**Recent** - A team of researchers from Mizoram University recently discovered a new species of rain snake named *Smithophis leptofasciatus*.

It is a new species of rain snake belonging to the genus *Smithophis*.

The species name *leptofasciatus* is derived from Greek and Latin, meaning "narrow-banded," referencing its distinctive dorsal markings.

It is commonly referred to as the narrow-banded rain snake.

It was discovered in the tropical montane forests of Mizoram.

#### **2. INTER STATE TRANSMISSION SYSTEM:**

**Recent** - About 26 gigawatt of renewable energy (RE) projects are expected to be impacted with the end of waiver on inter-State transmission system (ISTS) charges provided for solar and wind projects, according to Crisil Ratings.

It is a high-voltage power transmission network that enables electricity to flow seamlessly across state borders in India.

It connects power-rich regions with energy-deficient areas.

This ensures a balanced and efficient distribution of electricity.

It is managed by the Central Transmission Utility of India Limited (CTUIL), a 100% subsidiary of Power Grid Corporation of India Limited (POWERGRID) under the Ministry of Power.

#### **3. LEGAL INSANITY:**

**Recent** - The Chhattisgarh High Court recently acquitted a man of double murder due to legal insanity, highlighting the importance of mental state in trials.

It is a term used to describe a mental state that is severe enough to prevent a person from having legal capacity and excuses them from criminal responsibility.

It is a recognised defence in criminal law.

It is based on the assumption that at the time of the crime, the defendant was suffering from severe mental illness and therefore, was incapable of appreciating the nature of the crime and differentiating right from wrong behavior, hence making them not legally accountable for the crime.

The insanity defense is a legal concept, not a clinical one (medical one). This means that just suffering from a mental disorder is not sufficient to prove insanity.

#### **4. BIOCHAR:**

**Recent** - The Indian carbon market set to be launched in 2026, CO<sub>2</sub> removal technologies such as biochar are expected to play a crucial role.

Biochar is a type of charcoal rich in carbon and is produced from agricultural residue and organic municipal solid waste.

It offers a sustainable alternative to manage waste and capture carbon.

It is granular material obtained by heating crop residue at 400°C to 600°C in a kiln-shaped structure in the absence of oxygen.

#### **5. SUNFLOWER STAR FISH:**

**Recent** - scientists have found the culprit of a mysterious disease which started killing off sunflower starfish in droves — more than 5 billion are estimated to have died since 2013 is a bacterium called *Vibrio pectenicida*.

The Sunflower Sea Star (*Pycnopodia helianthoides*) is among the largest and fastest sea stars in the world.

Habitat: It is commonly found on various substrates like mud, sand, gravel, boulders and rock. They are found from the intertidal coastal waters zone to 435 m, however, most are found no more than 120 m.

Distribution: It lives along the vast majority of the Pacific coast of North America.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 08/08/2025**

#### **1. VISHNUGAD PIPALKOTI HYDRO ELECTRIC PROJECT:**

**Recent** - Twelve workers were injured, four of them critically, in a sudden landslide that struck the dam site of the under-construction Vishnugad Pipalkoti Hydroelectric Project in Helang, Chamoli district, Uttarakhand, recently.

It is located on Alaknanda River, a major tributary of the Ganga River, in the district Chamoli in the state of Uttarakhand.

#### **2. WORLD TRIBAL DAY:**

**Recent** - The Adivasi Girijana Sangham has urged tribal representatives, youth, and elected leaders to actively participate in World Tribal Day celebrations on August 9 and commit to resolving tribal issues.

It is observed on August 9 every year to support and protect the rights of the world's indigenous people.

Also referred to as World Indigenous Day or International Day of World's Indigenous People, this day offers an excellent chance to effectively work towards defending the fundamental rights of tribal communities around the world.

World Tribal Day 2025 Theme: "Indigenous Peoples and Artificial Intelligence – Defending Rights, Shaping the Future".

#### **3. ECTOPIC PREGNANCY:**

**Recent** - A recent case of pregnancy stunned doctors in Bulandhshahr, Uttar Pradesh: an MRI scan revealed a fetus growing in the liver and this extremely rare condition is known as an intrahepatic ectopic pregnancy.

An ectopic pregnancy occurs when the fertilised egg, instead of implanting itself in the uterus, implants outside of it, commonly in the fallopian tube.

It most often occurs in a fallopian tube, which carries eggs from the ovaries to the uterus. This type of ectopic pregnancy is called a tubal pregnancy.

It sometimes occurs in other areas of the body, such as the ovary, abdominal cavity or the lower part of the uterus (cervix), which connects to the vagina.

In an ectopic pregnancy, the fertilised egg attaches itself to a structure other than the uterus.

#### **4. SheLeads PROGRAM:**

**Recent** - the Union Minister for Women and Child Development inaugurated the second edition of UN Women's flagship capacity-building programme — SheLeads II: Workshop for Women Leaders, in New Delhi.

It is a flagship initiative of the UN Women India Country Office.

**Aim:** It is aimed to advance gender equality in public and political leadership, aiming to support women leaders in contesting the upcoming/next Lok Sabha and State Assembly elections.

#### **5. NOTARY PORTAL:**

**Recent** - the Ministry of Law and Justice informed the Rajya Sabha about the Notary Portal.

It was launched by the Government of India as a dedicated platform for providing online services for the works related to the Notaries Act, 1952 and the Notaries Rules, 1956.

**Objectives:** The objective of the Notary Portal is to provide an online interface between the Notaries appointed by the Central Government and the Government of India for various services like, Submission of applications for appointment as Notaries, Verification of eligibility for appointment as Notaries, Issuance of digitally signed Certificate of Practice

as a Notary, Also renewal of certificate of practice, change of practice area, submission of annual return etc.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 09/08/2025**

#### **1. COLORADO WATER CRISIS:**

**RECENT:** Arizona proposed a new method to allocate water based on actual river flows.

The Colorado River faces a severe water shortage as demand exceeds supply.

The 1922 Colorado River Compact divides the basin into Upper and Lower Basins. Each basin is allocated 7.5 million acre-feet of water annually.

#### **2. NOTARY PORTAL:**

The Government of India launched the Notary Portal to modernise services under the Notaries Act, 1952 and Notaries Rules, 1956.

It offers a digital platform connecting notaries appointed by the Central Government with the authorities.

The portal enables online submission of applications, verification of eligibility, issuance of digital Certificates of Practice, renewals, and other related functions.

#### **3. SheLeads II PROGRAM:**

**RECENT:** The second edition of SheLeads, UN Women's flagship workshop for women leaders was inaugurated.

It is a capacity-building programme by UN Women India.

It supports grassroots women leaders, elected representatives, and administrators.

The workshop encourages dialogue and strengthens political leadership skills.

It is crucial for translating policy commitments on gender equality into tangible outcomes.

#### **4. QUANTUM MAGNETIC NAVIGATING SYSTEM:**

**RECENT:** Conflicts highlight the growing importance of remote warfare. Modern battles increasingly depend on jets, missiles, and drones operating without large troop deployments.

Inertial Navigation Systems (INS), terrain contour matching (Tercom), and image-based guidance are alternatives.

INS drifts over time and requires periodic satellite updates. Tercom needs detailed maps and struggles in poor visibility or flat terrain.

#### **5. GREAT BARRIER REEF:**

**RECENT:** The Great Barrier Reef (GBR) has experienced its most severe loss of hard coral cover in nearly 40 years.

The GBR has endured five major mass bleaching events since 2016.

The 2024 event was part of the ongoing global bleaching crisis that began in 2023.

Surveys between August 2024 and May 2025 covered 124 reefs across northern, central and southern regions.



## DAILY DOSE

### **CURRENT AFFAIRS – 11/08/2025**

#### **1. NATIONAL MEDICAL REGISTER:**

**Recent** - the Minister of State for Health and Family Welfare informed the Lok Sabha that application for issuance of an National Medical Register (NMR) Identification (ID) is voluntary.

It is a centralised database of registered medical practitioners in modern medicine, maintained by the National Medical Commission (NMC).

It was launched in August 2024 under Section 31 of the NMC Act, 2019, the register was introduced as a mandatory exercise for all registered medical practitioners.

It aims to eliminate duplication and enable the public to access information on any doctor working in India.

#### **2. BLUE PINKGILL MUSHROOM:**

**Recent** - a burst of rare and colourful Blue Pinkgill fungi has been documented in the Kagaznagar forest division of the Komaram Bheem Asifabad district, of Telangana.

It is referred as “sky-blue mushroom,” (scientific name: Entoloma hochstetteri) this genus of mushrooms has pink to purplish hues in their gills.

It a species native to New Zealand and famously featured on the country's \$50 note.

#### **3. BIOSAFETY LEVELS:**

**Recent** - Nehru Zoological Park, Hyderabad, will soon establish a Biosafety Level-3 (BSL-3) laboratory, the first of its kind in southern India, enabling rapid diagnosis, post-mortem analysis, and research on zoonotic diseases.

Biosafety levels (BSL), also known as biological safety levels or biohazard levels, define the necessary containment precautions for handling infectious agents in laboratory settings.

They're a mandatory requirement in any biological research facility.

Biosafety levels contribute to the isolation of dangerous organisms and lethal agents.

The levels of containment range from the lowest biosafety level 1 (BSL-1), to the highest at level 4 (BSL-4).

#### **4. KASARGODIA SHEEBAE AND PILARTA VAMAN:**

**Recent** - Recent studies launched by researchers have led to the discovery of a new genus and two new species of freshwater crabs named Kasargodia sheebae and Pilarta vaman from Western Ghats regions in Kerala.

They are two new species of freshwater crabs.

They are discovered in the Western Ghats regions in Kerala.

They belong to the freshwater crab family Gecarcinucidae.

#### **5. UN CONFERENCE ON LANDLOCKED DEVELOPING COUNTRIES:**

**Recent** - the third United Nations Conference on Landlocked Developing Countries (LLDC3) opened in Awaza, Turkmenistan.

The LLDC3 conference, held once every ten years, brings global attention to the 32 landlocked developing countries, which collectively house over 600 million people.

The primary objective of LLDC3 is to facilitate coordinated international efforts to bridge these development gaps.

This year's conference, themed "Driving Progress through Partnerships," serves as a crucial platform to address structural challenges, mobilize

investment, and implement the newly adopted Awaza Programme of Action (2024–2034).

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 12/08/2025**

#### **1. KHELO INDIA ASMITA:**

**Recent** - the Khelo India ASMITA Football League 2025-26 was inaugurated by the Minister of State, Youth Affairs and Sports in Jalgaon, Maharashtra.

Achieving Sports Milestone by Inspiring Women (ASMITA) is part of Khelo India's gender-neutral mission to promote sports among women through leagues and competitions.

It is an affirmative action in sports for increasing women's participation.

Objective: Inclusive and grassroots-driven sports development.

The Khelo India ASMITA league is a core component of the 'Khelo Bharat Niti,' promoting sports for nation-building and women's empowerment.

#### **2. TRITIUM:**

**Recent** - A recent global ocean model study by the University of Tokyo and Fukushima University researchers have confirmed that the Fukushima Daiichi Nuclear Power Plant's tritium wastewater release poses minimal impact on ocean waters.

Tritium is a radioactive isotope of hydrogen.

It has the same number of protons and electrons as hydrogen but has 2 neutrons, whereas regular hydrogen does not have any. This makes tritium unstable and radioactive.

It is produced naturally from interactions of cosmic rays with gases in the upper atmosphere.

### 3. KODALI KARUPPUR SILK SARI:

Recent - The iconic Kodali Karuppur silk sari, a luxury garment once patronised by the Maratha kings of Thanjavur is facing a crisis as its traditional handloom weavers dwindle in number.

It derived its name from Karuppur, a village near Kumbakonam, Tamil Nadu.

The handwoven silk saris, dhotis, and furnishings of Karuppur that combined hand painting, block printing, and brocade-weaving were popular up to the 19th Century.

These evolved under the patronage of the Maratha ruler Serfoji Raja Bhonsle Chhatrapati II in 1787-1832 and were made exclusively for the Ranis of Thanjavur up to the 19th century.

### 4. DHIRIO BULL FIGHTING:

Recent - during a discussion in the state Assembly legislators across party lines demanded the legalisation of bull fighting which is locally called Dhirio in Goa.

Bull fighting, locally referred to as dhirio or dhiri, is an integral part of Goa's cultural fabric.

It is organised after the harvest season.

These bull fights have traditionally been held in paddy fields and football grounds of Goa, with village shepherds bringing in their animals.

Dhiri was a "part and parcel of every Church fest" and villagers from miles around would gather to witness the popular sport.

### 5. VITTHAL RUKHMINI TEMPLE:

Recent - A Marathi-Hindi language row has emerged at Pandharpur's renowned Vitthal-Rukhmini temple recently.

It is a Hindu temple situated in Pandharpur, Maharashtra.

Located on the banks of the river Bhima, also known as Chandrabhaga, Sri Vitthal Rukmini Mandir is dedicated to Lord Vithoba, a form of the Lord Vishnu or Krishna, and his consort Rukhmini.

The temple is classified as one among the 108 Abhimana Kshethrams of the Vaishnavate tradition.

The temple was built by King Vishnuvardhana of the Hoysala Empire between 1108 and 1152 CE.

He built the temple after being persuaded by Pundalik, a historical figure, great devotee of Lord Krishna.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 13/08/2025**

#### **1. TATO II HYDRO ELECTRIC PROJECT:**

**Recent** - The Cabinet Committee on Economic Affairs (CCEA) recently approved an investment proposal worth ₹8,146.21 crore for the construction of the 700 MW Tato-II Hydro Electric Project (HEP) in Shi Yomi district of Arunachal Pradesh.

It is a 700 MW hydro power project planned on Siyom river/basin in Arunachal Pradesh.

It is a run-of-river project. The hydro reservoir capacity is planned to be 56 million cubic meters.

#### **2. ORBITING CARBON OBSERVATORIES PROGRAM:**

**Recent** - the Trump administration asked to shut down NASA's Orbiting Carbon Observatories (OCO) program.

OCOs are a series of dedicated Earth remote sensing satellites that were designed specifically to observe atmospheric CO<sub>2</sub> from space in order to better understand the characteristics of climate change.

The first mission of the series failed soon after launch in February 2009.

A replacement satellite, OCO-2, was launched in July 2014. It was built based on the original OCO mission to minimise cost, schedule, and performance impacts.

In 2019, a third mission, OCO-3, was sent to the International Space Station (ISS) to further enhance the observation of atmospheric CO<sub>2</sub>.

#### **3. CESS:**

**Recent** - As of 2023-24, the Central Government has failed to transfer ₹3.69 lakh crore worth of cess collections to the relevant funds for which the cess was implemented, the Comptroller and Auditor General has found.

A cess is a form of tax levied by the government on tax with specific purposes till the time the government gets enough money for that purpose.

Different from the usual taxes, and duties like excise and personal income tax, a cess is imposed as an additional tax besides the existing tax (tax on tax).

#### **4. INDIA SEMICONDUCTOR MISSION:**

**Recent** - The government recently approved four additional semiconductor manufacturing projects in the states of Odisha, Punjab, and Andhra Pradesh under the India Semiconductor Mission (ISM).

It is a specialized and independent institution under the Ministry of Electronics and Information Technology (MeitY), Government of India.

It is an independent Business Division within the Digital India Corporation.

It aims to build a vibrant semiconductor and display ecosystem to enable India's emergence as a global hub for electronics manufacturing and design.

#### **5. WALLACEAN HOMINIDS:**

**Recent** - scientists have found possible artefacts of oldest known Wallacean hominids on Indonesia's Sulawesi island.

The earliest Wallacean humans, pre-historic persons known as Homo Erectus, were thought to have only settled in Indonesia's Flores island and Philippines' Luzon island around 1.02 million years ago.

They were thought to be incapable of distant sea travel, proving the significance of the Sulawesi findings in theories of migration.

Archaeologists from Australia and Indonesia found the small, chipped tools, used to cut little animals and carve rocks, under the soil in the region of Soppeng in South Sulawesi.



## DAILY DOSE

### **CURRENT AFFAIRS – 14/08/2025**

#### **1. CHEQUE TRUNCATION SYSTEM:**

**Recent** - The Reserve Bank of India (RBI) has decided on the transition of the Cheque Truncation System (CTS) from the current approach of batch processing to continuous clearing with settlement on realisation in two phases.

It is a cheque clearing system undertaken by the Reserve Bank of India (RBI) for faster clearing of cheques.

As the name suggests, truncation is the process of stopping the flow of the physical cheque in its way of clearing.

CTS is an online image-based cheque clearing system where cheque images and Magnetic Ink Character Recognition (MICR) data are captured at the collecting bank branch and transmitted electronically, eliminating the actual cheque movement.

#### **2. IDEONELLA SAKAIENSIS:**

**Recent** - Research has identified promising microbes like Ideonella sakaiensis, which can degrade PET plastic.

It is a bacterium from the genus Ideonella and family Comamonadaceae.

It is capable of breaking down and consuming the plastic polyethylene terephthalate (PET) using it as both a carbon and energy source.

It was discovered by a group of researchers in Japan.

It breaks PET into its (environmentally benign) building blocks. These can then be used as food by *I. sakaiensis* and other organisms.

### 3. SABHASAAR AI TOOL:

**Recent** - The Centre is set to unveil an artificial intelligence (AI)-powered tool named ‘SabhaSaar’ in Tripura on Independence Day.

It is an AI tool which will automatically generate minutes of meetings of gram sabhas.

Gram Sabha is the primary body of the Panchayati Raj system, consisting of all registered voters of a gram panchayat.

### 4. IN-SPACE:

**Recent** - Pune-based space tech startup Astrophel Aerospace recently signed a framework MoU with IN-SPACe, the Department of Space nodal body, to access ISRO facilities for technical reviews, system-level testing, and qualification support for semi-cryogenic propulsion systems, including turbopumps and engine modules.

Indian National Space Promotion and Authorization Center (IN-SPACe) is a single-window, independent, nodal agency that functions as an autonomous agency in the Department of Space (DOS).

It is formed following the Space sector reforms to enable and facilitate the participation of private players.

IN-SPACe is responsible to promote, enable, authorize and supervise various space activities of non-governmental entities (NGEs) including building launch vehicles & satellites and providing space-based services; sharing space infrastructure and premises under the control of DOS/ISRO; and establishing of new space infrastructure and facilities.

### 5. LAMPEDUSA ISLAND:

**Recent** - At least 20 people have died after a migrant boat capsized off the southern Italian island of Lampedusa recently.

It is the largest (21 sq.km.) of the Isole Pelagie (Pelagie Islands), an island group that includes the Linosa and Lampione islets.

Administratively Lampedusa is part of the autonomous region of Sicily in Italy.

It is geographically part of the African continent.

It is located in the Mediterranean Sea between Malta and Tunisia, 105 miles (170 km) southwest of Licata, Sicily.

It is a volcanic island.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 15/08/2025**

#### **1. KONKAN SHADOWDAMSEL AND CRIMSON SHADOWDAMSEL:**

**Recent** - Two new species of damselflies named Konkan Shadowdamsel and Crimson Shadowdamsel have been discovered in the Western Ghats by researchers from Maharashtra and Kerala.

They are two new species of damselflies.

The species — Konkan Shadowdamsel, discovered in Maharashtra's Sindhudurg district, and Crimson Shadowdamsel, discovered in Kerala's Thiruvananthapuram district — belong to the group commonly called 'Shadowdamsels' because of their affinity for well-shaded forest habitats.

The Crimson Shadowdamsel has a reddish body, and the Konkan Shadowdamsel has a coffee-brown ground colouration.

#### **2. LEWY BODY DEMENTIA:**

**Recent** - Jackie Bezos, mother of Jeff Bezos and an early Amazon investor, passed away in Miami recently due to Lewy body dementia.

It is a complex and challenging brain disorder.

It is the second most common type of dementia after Alzheimer's disease.

LBD is a disease associated with abnormal deposits of a protein called alpha-synuclein in the brain.

#### **3. ANTITRISULOIDES CATOCALINA:**

**Recent** - scientists have recorded the presence of the rare nocturnal moth species Antitrisuloides catocalina in Choolannur Peafowl Sanctuary in Palakkad district, Kerala.

It is a nocturnal moth species belonging to genus *Antitrisuloides*.

It is found in the Western Ghats for the first time.

It is part of the Noctuidae family, the genus comprises two known species worldwide.

The specimen found in Kerala was identified as a species previously reported only from North-East India.

Its detailed analysis further revealed it to be the subspecies *Antitrisuloides catocalina cyclica*.

#### **4. e-SUSRUT@CLINIC:**

**Recent** - the National Health Authority (NHA) and the Centre for Development of Advanced Computing (C-DAC) signed a Memorandum of Understanding (MoU) to roll out e-Sushrut@Clinic.

It provides a lightweight, cloud-based Hospital Management Information System (HMIS) designed specifically for outpatient clinics.

This government-backed Health Management Information System (HMIS) is designed specifically for small and medium healthcare providers.

It marks a pivotal step in expanding the Ayushman Bharat Digital Mission (ABDM) ecosystem.

The application developed by C-DAC is a lighter version of their flagship e-Sushrut HMIS software.

#### **5. PRADHAN MANTRI VIKSIT BHARAT ROZGAR YOJANA:**

**Recent** - the Prime Minister announced the Pradhan Mantri Viksit Bharat Rozgar Yojana.

It provides direct cash incentives to eligible employees and employers to boost formal job creation.

**Aim:** The scheme aims to support creation of over 3.5 crore jobs in two years.



## DAILY DOSE

### **CURRENT AFFAIRS – 16/08/2025**

#### **1. GOLDEN DOME:**

**Recent** - the US President has announced a 175 billion Golden Dome missile defence shield for the United States.

It is a ground- and space-based missile defense system designed to safeguard the United States from advanced missile threats.

Golden Dome aims to create a network of satellites to detect, track and potentially intercept incoming missiles. The shield could deploy hundreds of satellites for missile detection and tracking.

It will protect the US from long-range missiles, including those launched from space or other continents, and will integrate with current defense systems.

#### **2. PHOENIX ROXBURGHII:**

**Recent** - researchers have identified a new palm species and named it as *Phoenix roxburghii*.

It is a new palm species named after William Roxburgh, considered the father of Indian Botany.

It grows 12 to 16 metres tall.

*Phoenix roxburghii* shares morphological similarities with *Phoenix sylvestris*, but differs by its taller solitary trunk, larger leaves and leaflets, musty-scented staminate flowers and larger, obovoid orange-yellow fruits,

**Distribution:** It is found on India's eastern coast and Bangladesh, Gujarat, Rajasthan and Pakistan.

### **3. Escherichia coli:**

**Recent** - Researchers have shown in a new study that genetically engineered Escherichia coli bacteria can be turned into self-powered chemical sensors that interface directly with electronics.

It is commonly known as E. coli, is a type of bacteria that can be found in the intestines of humans and animals.

It is a rod-shaped bacterium of the Enterobacteriaceae family.

While most strains of E. coli are harmless and even beneficial, some strains can cause illness and infections.

### **4. SARVOTTAM YUDH SEVA MEDAL:**

**Recent** - on the eve of the 79th Independence Day, the President of India awarded seven Sarvottam Yudh Seva Medals (SYSM) to the leaders of Operation Sindoor.

It was instituted on 26 Jun 1980 to recognize the distinguished service of the most exceptional order during war/conflict/hostilities.

**Personnel Eligible:** All ranks of the Army, the Navy and the Air Force including those of Territorial Army Units, Auxiliary and Reserve Forces and other lawfully constituted Armed Forces when embodied.

And also Nursing officers and other members of the Nursing Services in the Armed Forces.

The medal may be awarded posthumously.

### **5. TONGA:**

**Recent** - an earthquake with a magnitude of 6.2 jolted the Tonga Islands Region.

It is a sovereign country in Polynesia, composed of an archipelago of 169 islands located in the South Pacific Ocean.

Neighbouring countries include Fiji to the west, Cook Islands to the east and Samoa north.

These islands are divided into three main groups: Tongatapu in the south, Ha'apai in the center, and Vava'u in the north.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 18/08/2025**

#### **1. PRIMARY AMOEBOIC MENINGOENCEPHALITIS:**

**Recent** - Kerala's health department has sounded an alert in Kozhikode district after three back to back cases of the rare primary amoebic meningoencephalitis (PAM) were reported in the region.

It is an infection of the brain and the membranes covering the brain.

**Cause:** It is caused by *Naegleria fowleri*, known as the “brain eating amoeba”.

*Naegleria fowleri* is a free-living amoeba found in warm, fresh water and soil, and infects people when it enters the body through the nose.

This is a very rare, but serious disease with a mortality rate of more than 95%.

#### **2. ALMOND CULTIVATION:**

**Recent** - The almond harvest in Kashmir marks an important seasonal and cultural event, and this year's bumper crop has brought smiles to farmers' faces.

Almonds are one of the major and oldest tree nut crops in the world.

There are two types of almonds available: Sweet almond and bitter almond.

**Climate:** Colder regions' climate is suitable for almond farming.

**Temperature:** Temperature ranging between 7°C to 24°C is considered appropriate.

**Soil:** Deep, loamy, well drained soils are ideal for almond growing.

Rainfall: Average rainfall needed is 75 to 110 cm.

Almond plants can grow easily at an altitude of 750 to 3200 meters above sea level.

Major Almond farming Countries: USA, Australia, Spain, Turkey.

### **3. MOUNT ELBRUS:**

**Recent** - a mountaineer of Arunachal Pradesh, climbed Mt Elbrus, the highest peak in Europe.

Location: Mount El'brus is located in southwest Russia and is part of the Caucasus Mountains.

Formation: It is believed that the Caucasus Mountains were formed due to the northward collision of the Arabian Plate with the Eurasian Plate.

Geological studies have revealed that Mount Elbrus was formed over 2.5 million years ago and the volcano had been most active during the Holocene Epoch.

It is the highest point in Russia as well as the highest point in all of Europe.

### **4. HALMAN APRICOT:**

**Recent** - For the first time, a consignment of 1.5 metric tonnes of Halman apricots has been sent to Saudi Arabia, Kuwait and Qatar.

It is an apricot (*Prunus armeniaca L.*) variety found in Ladakh.

It is one of the best and finest apricots in the world.

It was introduced to the region over a century ago from China or Central Asia.

It has a wide range of distribution in different parts of Ladakh with particularly abundant in the Sham (western) part of Ladakh including Dha-Hanu, Garkhon, Skurbuchan, Domkh.

### **5. RAVI RIVER:**

**Recent** - Continuous heavy rainfall in the hilly regions has led to a significant rise in water levels in the Ravi River recently.

It is a river in northwestern India and northeastern Pakistan.

It is one of the five tributaries of the Indus River that give Punjab (meaning “Five Rivers” ) its name.

It originates from the northern face of Rohtang Pass in Himachal Pradesh and flows through the junction formed by the BaraBang-Dhauladhar range of the Himalayas as two channels, namely Budhil and Tantgari.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 19/08/2025**

#### **1. MINIMUM PUBLIC SHAREHOLDING:**

**Recent** - SEBI recently proposed to increase the flexibility of minimum public shareholding (MPS) and minimum public offer (MPO) for companies aspiring to get listed, aimed at “simplifying fund-raising by issuers in India.

The Minimum Public Shareholding (MPS) rule is a regulatory requirement laid out by SEBI under the Securities Contracts (Regulation) Rules, 1957, and reinforced by the Listing Obligations and Disclosure Requirements (LODR) Regulations.

It is applicable to all listed companies in India.

As per these rules, all listed companies must ensure that at least 25% of their total issued and paid-up equity share capital is held by public shareholders—i.e., non-promoters and non-promoter group entities.

#### **2. PALMYRA PALM TREE:**

**Recent** - Palmyra palm trees in Odisha are providing dual benefits by reducing lightning-related deaths and serving as a food source for elephants during lean seasons.

It is commonly named as sugar palm, or toddy palm or fan palm.

It is a native of tropical Africa but cultivated and naturalized throughout India.

In India, it is planted as a windbreak on the plains.

#### **3. RUBELLA:**

**Recent** - The World Health Organization recently announced Nepal has eliminated rubella as a public health problem.

It is a highly contagious viral infection best known by its distinctive red rash.

It's also called German measles or three-day measles.

Rubella isn't the same as measles, but the two illnesses share some signs and symptoms, such as the red rash.

Rubella is caused by a different virus than measles, and rubella isn't as infectious or as severe as measles.

Rubella is caused by the Rubella virus, an enveloped, single-stranded RNA virus, different from the measles virus.

#### **4. SAKURA SCIENCE PROGRAMME:**

**Recent** - A group of thirty-four students from government schools in India are set to visit Japan under the Sakura Science Programme 2025.

It is the prestigious Japan-Asia Youth Exchange Program in Science—better known as the Sakura Science Programme.

It was launched globally in 2014, aims to expand scientific curiosity amongst youth and encourage international collaboration.

India joined the Sakura Programme in 2016.

It is implemented by the Japan Science and Technology Agency (JST).

#### **5. SLITEYE SHARK:**

**Recent** - For the first time, scientists have recorded the sliteye shark in the Great Chagos Bank in the Indian Ocean, the world's largest coral atoll.

It is a small-bodied shark species found in inshore waters throughout the Indo-West Pacific.

It is a species of requiem shark, in the family Carcharhinidae, and the only member of its genus, *Loxodon*.

Scientific Name: *Loxodon macrorhinus*.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 20/08/2025**

#### **1. ASIAN PALM CIVET:**

**Recent** - In a bizarre incident, Kerala High Court's Chamber 1 proceedings got disrupted recently due to a foul stench caused by Asian Palm Civet.

The Asian Palm Civet, also known as the Toddy Cat or Common Palm Civet, is a small, nocturnal mammal that is found throughout South and Southeast Asia, including India, Sri Lanka, Indonesia, and the Philippines.

It is a member of the Viverridae family, which also includes other civet and mongoose species.

Scientific Name: *Paradoxurus hermaphroditus*.

It is classified as 'Least Concern' under the IUCN Red List.

#### **2. Mines and Minerals (Development and Regulation) Amendment Bill, 2025:**

**Recent** - The Rajya Sabha cleared the Mines and Minerals (Development and Regulation) Amendment Bill recently, even as the Opposition members walked out.

The bill will amend the Mines and Minerals (Development and Regulation) Act, 1957.

The Bill provides that leaseholders may apply to the state government for adding other minerals to an existing lease.

For inclusion of critical and strategic minerals and other specified minerals, no additional amount needs to be paid.

These include minerals such as lithium, graphite, nickel, cobalt, gold, and silver.

The Act establishes the National Mineral Exploration Trust to fund mineral exploration in the country. The Bill widens the scope of the Trust to also fund the development of mines and minerals.

### **3. PAMBA RIVER:**

**Recent** - The central government recently initiated steps to include the Pampa River under the National River Conservation Plan (NRCP), a multi-crore initiative aimed at protecting major rivers in the country.

It is the third longest river in the state of Kerala after the Periyar River and the Bharathappuzha River.

Also called the 'Dakshina Bhageerathi' or the Ganga of Kerala, the significance of the river is associated with the Sabarimala temple.

Pilgrims visiting Sabarimala take a dip in the river here before and after trekking the hill.

Pamba is also called Thriveni Sangam, as it is the meeting point for three rivers-Pamba, Achankovil & Manimala.

### **4. THATTEKAD BIRD SANCTUARY:**

**Recent** - A comprehensive faunal survey at the Thettakad Bird Sanctuary, Ernakulam, Kerala, has added nine species records to its official biodiversity checklist.

It is the first bird sanctuary in Kerala, located on the banks of Periyar River.

Thattekad bird sanctuary is also known as Dr. Salim Ali bird sanctuary, named after Dr Salim Ali, the best known ornithologist in India.

The sanctuary, which spreads across the foot of western Ghats, was notified in 1983 based on previous recommendation by Dr. Salim Ali.

### **5. VIHAR LAKE:**

**Recent** - In the wake of heavy rains in Mumbai over the last few days, Vihar Lake, one of the key sources of potable water for the metropolis, started overflowing.

It is a man-made reservoir located near Vihar village on the Mithi River within the grounds of the Borivali National Park, which is also known as Sanjay Gandhi National Park, in North Mumbai, Maharashtra.

The lake was built from 1856 to 1860 by the British government to overcome the drinking water woes of the people of southern Mumbai.

It gets its water from the Powai-Kanheri hill ranges in the catchment area.

It is the largest lake in Mumbai in the Salsette group of islands.

It is bordered between the Tulsi Lake and the Powai Lake.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 21/08/2025**

#### **1. KALAI II HYDRO ELECTRIC PROJECT:**

**Recent** - The Arunachal Pradesh State Pollution Control Board (APSPCB) recently conducted a public hearing for environmental clearance for the proposed 1,200 MW Kalai-II hydroelectric project in Anjaw district, being developed by THDC India Limited.

It is a 1,200 MW hydropower project planned on the Lohit River (a tributary of the Brahmaputra River) in the Anjaw District of Arunachal Pradesh.

The project is being developed and currently owned by THDC India Limited (formerly Tehri Hydro Development Corporation Limited).

It is a run-of-river with pondage project.

#### **2. DIDAYI TRIBE:**

**Recent** - Champa Raspeda, a student from Odisha's Malkangiri district, has made history by becoming the first member of the Didayi, a Particularly Vulnerable Tribal Group (PVTG), to clear NEET 2025.

The Didayi tribe, also known as the Didai people or Didiya tribe, is an indigenous tribal community residing in the Malkangiri district of Odisha.

They are one of 13 Particularly Vulnerable Tribal Groups (PVTG) in Odisha.

They belong to the Proto-Australoid racial stock.

#### **3. INS ARIDHAMAN:**

**Recent** - India is poised to significantly enhance its strategic defence capabilities with the upcoming induction of its third nuclear-powered ballistic missile submarine (SSBN), INS Aridhaman.

It is the second Arihant-class submarine.

It is the second nuclear-powered ballistic missile submarine (SSBN) being built by India.

It is being built under the Advanced Technology Vessel (ATV) project to build nuclear submarines at the Ship Building Centre in Visakhapatnam.

#### **4. GIAHS PROGRAMME:**

**Recent** - the Minister of State for Agriculture and Farmers Welfare informed the Lok Sabha that India currently hosts three Globally Important Agricultural Heritage Systems (GIAHS).

The Globally Important Agricultural Heritage Systems (GIAHS) is a Food and Agriculture Organization's programme launched at the World Summit for Sustainable Development in 2002.

It was launched in response to global threats to family farming and traditional agricultural systems, such as climate change, community displacements and

biodiversity loss.

#### **5. MADE IN INDIA LABEL SCHEME:**

**Recent** - The Made in India Label Scheme promotes domestic manufacturing and informs consumers about product origin and the Government has proposed INR 995 crores for three years.

It is an initiative that lends support to the manufacturing industry by building a brand reputation, stronger identity and wider reach for made in India products.

Aim: To strengthen the reputation of the products manufactured in India. It also guarantees authenticity of the products originating from India and/or crafted with locally sourced raw materials.

This is a voluntary certification scheme to help manufacturers demonstrate that their products are manufactured in India and are of good quality.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 22/08/2025**

#### **1. MITHI RIVER:**

**Recent** - The Economic Offences Wing (EOW) of the Mumbai Police recently arrested a 49-year-old contractor in connection with the multi-crore Mithi river desilting fraud that has caused losses of over ₹65 crore to the Brihanmumbai Municipal Corporation (BMC).

Mithi river is one of the four rivers flowing through the Mumbai city, Maharashtra.

The river originates from the overflow of Vihar Lake and also receives the overflows from the Powai Lake about 2 km downstream.

It is a seasonal river, which feeds on the monsoons.

#### **2. JEJU ISLAND:**

**Recent** - Following complaints from locals about misbehaviour by foreign visitors, police in South Korea's Jeju Island have printed a special type of multilingual notice.

Jejudo (also known as Jeju Island) is a volcanic island.

With a surface area of 1,846 sq.km., it is the largest island 130 km off the coast of the Korean Peninsula and the main island of Jeju Province of South Korea.

It lies in the East China Sea 60 miles (100 km) southwest of South Jeolla province, of which it once was a part. The provincial capital is the city of Jeju.

Oval in shape, Jeju Island measures 40 miles (64 km) from east to west and 16 miles (26 km) from north to south.

The island contains the natural World Heritage Site Jeju Volcanic Island and Lava Tubes.

### **3. EUGLENA:**

**Recent** - In India, Euglena and its relatives are now widespread indicators of deteriorating water quality.

Euglena is a unicellular, flagellated microorganism belonging to the group Euglenophyta.

These are commonly found in stagnant or slow-moving freshwater ponds, ditches, and urban lakes.

**Characteristics:** These protists are highly adaptable, capable of both photosynthesis (like plants) and feeding on organic matter (like animals).

This flexibility helps them thrive in nutrient-rich, oxygen-poor environments.

### **4. EXERCISE SAMANVAY SHAKTI:**

**Recent** - the Exercise Samanvay Shakti 2025 was inaugurated at Laipuli, in Tinsukia district of Assam.

It is initiated by Indian Army collaboration with state officials of Assam & Manipur to foster efficient cooperation, cohesion and mutual understanding.

### **5. CHARGE COUPLED DEVICE:**

**Recent** - A charge-coupled device (CCD) is a remarkable electronic component whose invention marked a significant milestone in technology and influenced many fields.

It was a pioneering technology that converted light into electrical signals using an array of capacitors that transferred electric charges in a sequence.

A CCD consists of an integrated circuit made up of an array of small picture elements called pixels.

Each pixel acts like a small light sensor that collects photons (the particles of light) and converts them into electrical charges.

These charges are then transferred across the device, one pixel at a time, to be read and processed into a digital image.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 23/08/2025**

#### **1. DRAKE PASSAGE:**

**Recent** - a strong earthquake of magnitude 7.5 hit Drake Passage and a tsunami alert was issued briefly.

It is located between South America's Cape Horn and the South Shetland Islands of Antarctica.

The passage is named after Sir Francis Drake, who was the first Englishman to circumnavigate the globe.

It is a deep and wide waterway that connects the southwestern Atlantic and southeastern Pacific Oceans.

#### **2. SPRATLAYS ISLAND:**

**Recent** - Vietnam has significantly expanded island-building work in areas it claims in the Spratly Islands chain of the disputed South China Sea and will match and likely surpass the scale of such activity there by China, a U.S. think tank reported.

They are a large group of reefs, shoals, atolls, and small islets in the South China Sea of the Pacific Ocean.

They are located north of insular Malaysia and are roughly midway between Vietnam and the Philippines.

They are spread out over a vast area of ocean measuring some 158,000 square miles (409,000 square km).

Climate: Tropical. A great number of them are submerged.

#### **3. SMILE SCHEME:**

**Recent** - the central government of India launched a 15 days Entrepreneurship Development Programme under the SMILE scheme to make the transgender persons self-reliant by granting them economic empowerment.

The Support for Marginalized Individual for Livelihood and Enterprise (SMILE) scheme is a Central Sector Scheme.

It includes two sub-schemes, Central Sector Scheme for Comprehensive Rehabilitation for Welfare of Transgender Persons' and 'Central Sector Scheme for Comprehensive Rehabilitation of persons engaged in the act of Begging' .

It provides Scholarships for Transgender Students studying in IX and till post-graduation to enable them to complete their education.

#### **4. KILAUEA VOLCANO:**

**Recent** – Hawaii's Kilauea volcano erupted again, sending lava fountains up to 30 metres high, marking its 31st eruption since December.

It is one of the world' s most active volcanoes.

It is a shield-type volcano located in the southeastern part of the island of Hawaii, Hawaii state, United States.

The volcano is 4,090 feet (1,250 meters) high.

It is a long dome built of lava eruptions.

#### **5. LESSER FLAMINGO:**

**Recent** - A rare sighting of a lesser flamingo (popularly known as Raj Hamsa) near the Fish Mill in Malpe has created excitement among bird enthusiasts and ornithologists alike.

It is the smallest and most numerous of the world' s flamingo species.

Scientific Name: Phoeniconaias minor

Distribution: This species is indigenous to sub-Saharan Africa and western India, with occasional sightings further north, typically regarded as vagrants.

Habitat: Lesser flamingos favor environments with highly alkaline or saline lakes, lagoons, and mudflats.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 25/08/2025**

#### **1. BLOOM SYNDROME:**

**Recent** - a 12-year-old girl diagnosed with the Bloom Syndrome, underwent a bone marrow transplant using stem cells from her younger brother at a private hospital in Chennai.

Bloom Syndrome or BSyn is a genetic disorder, in which the BLM gene, a protein-coding gene, does not function as it should.

It leads to growth delays, increased vulnerabilities to infections, sensitivity to the sun and an increased risk for certain cancers.

The BLM gene is a gene that makes a protein involved in maintaining the structure of DNA, when DNA is copied in a cell, and in repairing damaged DNA.

#### **2. INTEGRATED AIR DEFENCE WEAPON SYSTEM:**

**Recent** - the Defence Research and Development Organisation (DRDO) has successfully conducted the first flight-tests of an Integrated Air Defence Weapon System (IADWS).

It is a multi-layered air defence system, which includes three components — Quick Reaction Surface to Air Missiles (QRSAM), the advanced Very Short Range Air Defence System (VSHORADS) missiles, and a high-power laser-based Directed Energy Weapon (DEW).

QRSAM has been designed and developed by the DRDO, VSHORADS and DEW have been developed by Research Centre Imarat (RCI) and Centre for High Energy Systems and Sciences (CHESS) respectively, both Hyderabad-based facilities of the DRDO.

### **3. MUDUMALAI TIGER RESERVE:**

**Recent** - A 12-year-old tigress, which had been sick and roaming near the forest boundary in the Singara forest range of the Mudumalai Tiger Reserve (MTR) died recently.

It is located in the Nilgiris District of Tamil Nadu, spread over 321 sq. km. at the tri-junction of three states, viz, Karnataka, Kerala, and Tamil Nadu.

It lies on the Northeastern and Northwestern slopes of the Nilgiri hills, which is a part of the Western Ghats.

It is part of the Nilgiris Biosphere Reserve, the first biosphere reserve in India.

It has a common boundary with Wayanad Wildlife Sanctuary (Kerala) on the west, Bandipur Tiger Reserve (Karnataka) on the north, the Nilgiris North Division on the south and east, and Gudalur Forest Division on the south-west.

### **4. INTEGRATED FOOD SECURITY PHASE CLASSIFICATION:**

**Recent** - According to a new Integrated Food Security Phase Classification (IPC) analysis more than half a million people in Gaza are trapped in famine, marked by widespread starvation, destitution and preventable deaths.

It is an independent body funded by Western countries and widely recognised as the main global system for measuring the severity of hunger crises.

It was set up to sound the alarm so that famine and mass starvation could be prevented and to help organisations respond.

The IPC is overseen by 19 major humanitarian organisations and regional bodies. It typically partners with national governments to analyse data.

It is an innovative multi-stakeholder global initiative aimed at enhancing food security and nutrition analysis to inform decisions.

### **5. MATUA COMMUNITY:**

**Recent** - A social outfit recently organised a march with members of the Matua community in Habra of North 24-Parganas to protest against the proposed special intensive revision (SIR) of electoral rolls in Bengal.

The Matua community, a marginalized Hindu sect with roots in the 19th century, holds a significant socio- religious presence in the Bengal region, particularly across Bangladesh and West Bengal.

Founded by Harichand Thakur in the 1860s, the Matua movement arose as a response to the deep-seated caste discrimination present within Hindu society at the time.

As followers of the Matua faith, the community primarily belongs to the "Namashudra" caste, traditionally regarded as a lower-caste group within Hinduism.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 26/08/2025**

#### **1. EXERCISE AAROGYA SETU:**

**Recent** - In a landmark initiative, the Indian Army recently organised the maiden Exercise Aarogya Setu at Rupai, Doomdooma in the Tinsukia district of Assam.

It was organised by the Indian Army at Rupai, Doomdooma, in the Tinsukia district of Assam.

A first of its kind, it marked a civil-military medical fusion exercise in the region.

The event aimed at strengthening cooperation between the Army Medical Corps, reputed senior civil doctors from leading hospitals, and PHCs of Tinsukia and the Northern Frontier Railway Hospital, Tinsukia.

#### **2. PSEPHOLOGY:**

**Recent** - The Supreme Court recently stayed criminal proceedings initiated against psephologist Sanjay Kumar for a social media post concerning an erroneous analysis of the 2024 Maharashtra Assembly election.

Psephology is a branch of political science that deals with the scientific analysis of elections or polls.

This field is dedicated to offering a meticulous quantitative analysis of elections.

The toolbox of psephology encompasses a variety of instruments employed for the statistical examination of election data.

These invaluable tools include voting data, opinion polls, campaign insights, and related datasets.

### **3. SHIPKI LA PASS:**

**Recent** - China has agreed in principle to the proposal of resuming trade through Shipki-La in Kinnaur district of Himachal Pradesh during the recent visit of its Foreign Minister Wang Yi to India.

It is a motorable mountain pass situated at an altitude of 3,930 meters, bordering India and China in tribal district of Kinnaur in Himachal Pradesh.

It also serves as the boundary post on the frontier between China and India.

It is one of the highest motorable passes.

Through this pass the Sutlej River (known as Langqen Zangbo in Tibet) enters India, has long served as a vital trade corridor between India and Tibet.

The old name of Shipki La was Pema La, or Shared Gate, also known as Shared Pass.

### **4. VAQUITA:**

**Recent** - A report by the North American Environmental Commission has criticized Mexico for failing to protect the endangered vaquita porpoise, with only 10 remaining.

It is a shy member and the smallest of the porpoise family.

Vaquitas are the most endangered of the world's marine mammals.

It is the smallest range of any whale, dolphin, or porpoise.

It lives in the northern part of the Gulf of California, an area that is rich in fish and shrimp.

It is most commonly sighted in shallow waters up to 50 metres deep.

### **5. NATIONAL YOUTH AWARD:**

**Recent** - The Ministry of Youth Affairs & Sports, Government of India, invited nominations for the National Youth Award (NYA) 2024.

It is sponsored by the Ministry of Youth Affairs.

It is for the Indian youth for their tremendous and outstanding work in social service.

This award is to motivate young persons to achieve excellence in the field of national development or social service

It aims to motivate young persons (aged between 15 – 29 years) to achieve excellence in the field of national development or social service.

The National Youth Awards are conferred usually during the National Youth Festival.

The award is given in two categories: Individual Category and Organisation Category.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 28/08/2025**

#### **1. EXPORT PROMOTION MISSION:**

**Recent** - The government is considering support measures worth about Rs 25,000 crore for exporters under the Export Promotion Mission, announced in the Budget, for six financial years (2025-2031).

It is a flagship initiative announced in the Union Budget 2025-26.

It seeks to enable broad-based, inclusive, and sustainable export growth over six years (FY 2025-31) by exploring approaches beyond conventional mechanisms to address key bottlenecks faced by Indian exporters, especially MSMEs.

It is driven jointly by the Ministries of Commerce and Industry, the Ministry of Micro, Small and Medium Enterprises, and the Ministry of Finance to enhance export competitiveness by facilitating improved access to export credit, enabling cross-border factoring, and assisting MSMEs in addressing non-tariff barriers in global markets.

The Department of Commerce is the lead department for the Mission.

#### **2. PUNATSANGCHHU-II HYDROELECTRIC PROJECT:**

**Recent** - The 1020 MW Punatsangchhu-II Hydroelectric Project in Bhutan has been successfully completed with the synchronisation of its last and final unit, Unit 6 (170 MW), with the power grid, the Embassy of India in Thimphu said recently.

It is a 1 GW run-of-the-river hydroelectric power generating facility located in the Wangdue Phodrang district of Bhutan.

It is located on the right bank of the Punatsangchhu River.

The project is being developed by the Punatsangchhu II Hydroelectric Project Authority, under an Inter-Government Agreement (IGA) between the Royal Government of Bhutan and the Government of India.

It is funded by the Government of India (GoI): 30% grant and 70% loan at 10% annual interest, repayable in 30 equated semi-annual installments commencing one year after the mean date of operation.

### **3. GORUMARA NATIONAL PARK:**

**Recent** - The population of one-horned rhinos has risen at the Gorumara National Park in Jalpaiguri with the birth of two rhinos recently.

It is located in the Jalpaiguri district of West Bengal.

It was declared a national park in 1992 and covers an area of approx 79.45 sq.km.

It is situated on the bank of the Murti and Raidak rivers in the Terai region of Dooars on the foothills of the Eastern Himalayas.

### **4. PONG DAM:**

**Recent** - The water level breached the danger mark at Pong Dam recently.

The Pong Dam, also known as the Beas Dam, is an earth-fill embankment dam constructed on the river Beas in the wetland of Shivalik hills in the Kangra district of Himachal Pradesh.

The purpose of the dam is water storage for irrigation and hydroelectric power generation.

### **5. GLANDERS:**

**Recent** - the Department of Animal Husbandry & Dairying (DAHD) under the Ministry of Fisheries, Animal Husbandry & Dairying has issued the Revised National Action Plan on Glanders.

It is caused by the bacterium *Burkholderia mallei*.

It primarily affects equines such as horses, mules, and donkeys, and poses risks to other animals as well as humans.

Signs: The disease causes nodules and ulcerations in the respiratory tract and lungs in animals. A skin form, known as 'farcy', also occurs.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 29/08/2025**

#### **1. SALINA AURANTIAMACULATA AND SALINA PSEUDOMONTANA:**

**Recent** - Recently, scientists at the Zoological Survey of India (ZSI) announced the discovery of two new Collembola, or springtails species -- Salina aurantiamaculata and Salina pseudomontana.

Salina aurantiamaculata is named for its striking bright orange markings – an unusual pigment pattern among its peers.

Its counterpart, Salina pseudomontana, looks very similar to the already known Salina montana.

Both species belong to the cosmopolitan “celebensis” group of Collembola.

#### **2. UNIFIED DISTRICT INFORMATION SYSTEM FOR EDUCATION PLUS:**

**Recent** - The Ministry of Education released a report on Unified District Information System for Education Plus (UDISE+) 2024-25 on school education of India which says that, since the beginning of UDISE +, the total number of teachers has crossed the 1 crore mark in 2024–25.

It is an educational management information system under the Department of School Education & Literacy, Ministry of Education under the Government of India.

UDISE+ functions as a central platform that enables respective schools to efficiently record and submit data related to its profile (infrastructure & facilities), individual students and teachers' details.

This is done in real-time mode by all recognised schools that provide formal, and special education in any of the school categories (that is, from pre-primary to higher secondary levels) throughout the country each academic year.

The recorded data is validated by the MIS and other designated officials at the block, district and state levels; and monitored at four levels, including the national.

### **3. PRAIRIES:**

**Recent** – efforts—including a newly launched database—aim to ensure that the prairies are restored much more comprehensively.

Prairies are flat, temperate grasslands found in North America.

Most North American prairies are in locations with a low amount of annual rainfall.

Prairie vegetation is maintained by grazing, fire, drought, and low temperatures.

### **4. GANGOTRI GLACIER:**

**Recent** - A study by IIT Indore and international collaborators reveals that the Gangotri Glacier has lost 10% of its snowmelt flow over four decades due to climate change.

It is one of the largest glaciers in the Himalayas and is the primary source of the Ganges, the largest river in India.

It is situated in the Uttarkashi district of Uttarakhand in the Garhwal Himalayas.

It originates at the northern slope of the Chaukhamba range of peaks.

It is fed by snow and ice from several peaks, including Shivling, Thalay Sagar, Meru, and Bhagirathi III.

### **5. NIMBRIX MISSILE:**

**Recent** - Swedish defense company Saab recently announced the development of a new missile named Nimbrix.

It is a counter-unmanned aircraft system (C-UAS) missile.

The missile is being developed to counter the growing battlefield threat posed by small unmanned aerial vehicles (UAVs).

It was developed by the Swedish defense company Saab. It is its first dedicated C-UAS missile.

PRABHA IAS ACADEMY



## DAILY DOSE

### **CURRENT AFFAIRS – 30/08/2025**

#### **1. EXTENDED RANGE ATTACK MUNITIONS (ERAM) MISSILE:**

**Recent** - the Trump administration has approved the sale of 3,350 Extended Range Attack Munitions (ERAM) missiles to Ukraine.

It is a next-generation, air-launched, precision-guided missile.

It blends the destructive power of a heavy bomb with the standoff range of a cruise missile.

**Range:** Depending on flight profile, ERAM can reach between 240 and 450 kilometers.

**Warhead:** Each carries a 500-pound high-explosive warhead, able to destroy hardened bunkers, fuel depots, or ammunition storage.

#### **2. MITOCHONDRIAL PROTEIN IMPORT:**

**Recent** - researchers at Caltech University have uncovered new rules governing mitochondrial protein import, revising the long-standing understanding of how proteins are transported into mitochondria.

Mitochondria are double-membraned organelles that generate ATP (adenosine triphosphate), the universal cellular energy currency.

They originated over a billion years ago through endosymbiosis between a primitive archaeal cell and a bacterium.

Over time, mitochondria transferred most of their genes to the host nucleus, making them dependent on the host cell for protein supply.

#### **3. CORDUALADENSA ACORNI:**

**Recent** - researchers from McGill University identified a new dinosaur-era dragonfly fossil named *Cordualadensa acorni* from Alberta's Dinosaur Provincial Park.

It represents the first Mesozoic dragonfly fossil in Canada and fills a 30-million-year evolutionary gap in dragonfly history.

The fossil is a partial wing impression fossil preserved in the 75-million-year-old Dinosaur Park Formation (UNESCO World Heritage Site, Alberta, Canada).

The fossil led to the creation of a new family, *Cordualadensidae*, highlighting its unique anatomical features.

#### **4. NATIONAL DISASTER MANAGEMENT AUTHORITY (NDMA):**

**Recent** - Prime Minister Narendra Modi on August 29, 2025, nominated two people as new members of the National Disaster Management Authority (NDMA) and re-nominated three existing members for three years.

**Establishment:** The NDMA, established under the Disaster Management Act, 2005, is the country's apex body for disaster management and is chaired ex officio by the Prime Minister of India.

#### **5. INDIA'S FIRST EMI-BASED CREDIT CARD:**

**Recent** - BharatPe and Unity Small Finance Bank (Unity Bank) recently launched the Unity Bank BharatPe Credit Card—India's first EMI-driven credit card on the RuPay network.

Unity Small Finance Bank (Unity Bank) and BharatPe have jointly launched a credit card that allows customers to either pay in full or convert their spends into equated monthly instalments (EMIs). This is being introduced as India's first EMI-driven credit card on the RuPay network.

The Unity Bank BharatPe Credit Card has been developed in association with the National Payments Corporation of India (NPCI).

The card can be linked to Unified Payments Interface (UPI), enabling payments at a wide range of merchants nationwide.

The card will be available to both salaried and self-employed individuals.

PRABHA IAS ACADEMY