



DAILY DOSE

CURRENT AFFAIRS – 02/12/2024

1.TUNGSTEN:

RECENT: Tamil Nadu chief minister wrote to Prime Minister seeking the cancellation of rights granted by the Centre to a private firm to mine tungsten in Nayakkarpatti Tungsten Block in Madurai district.

Tungsten is a chemical element with the symbol W, and atomic number 74.

Classified as a transition metal, Tungsten is a solid at room temperature.

Tungsten is used in products such as x-ray tubes, light bulbs, high-speed tools, welding electrodes etc.

2.BROMALITES:

RECENT: New research using fossilized feces and vomit, known as bromalites, highlights how dinosaurs rose to dominance during the Triassic Period.

Bromalites are fossil traces of organisms, consisting of material from their digestive system.

They are the group of ichnofossils that record the consumption, processing, and elimination of material through digestive systems.

3.SOLAR STROM:

RECENT: Scientists have uncovered evidence of an immense solar storm that struck Earth around 664–663 BCE.

A solar storm is a sudden explosion of particles, energy, magnetic fields, and material blasted into the solar system by the Sun.

4.EXERCISE CINBAX:

RECENT: The 1st edition of Joint Table Top Exercise, CINBAX commenced at Foreign Training Node, Pune.

It is conducted between the Indian Army and the Cambodian Army.

The Cambodian Army contingent will comprise personnel and the Indian Army contingent is also composed of personnel from an Infantry Brigade.

5.RED-BREASTED FLYCATCHER:

RECENT: The Red-Breasted Flycatcher bird which migrates from Eastern Europe to escape the harsh winter was found in the Ameenpur Lake in Hyderabad.

Scientific name: *Ficedula parva*.

It is a small (11-12 cm) passerine bird of the Old World Flycatcher family.

It can be found occasionally feeding on figs (banyan, peepal) in our urban gardens.

Conservation status

IUCN: Least Concern.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 03/12/2024

1.GHARCHOLA:

RECENT: Gujarat's Gharchola has recently been awarded the Geographical Indication (GI) tag.

It is a traditional handicraft from Gujarat, which is known for its intricate designs and vibrant colours.

The craft involves weaving patterns that are often inspired by cultural motifs.

2.HANDIGODU DISEASE:

RECENT: Karnataka's Health and Family Welfare Minister has initiated a comprehensive approach to address Handigodu disease.

Handigodu disease is a genetic condition first identified in 1978, which causes muscle weakness, joint deformities, and skeletal issues.

3.INDIA INTERNATIONAL SCIENCE FESTIVAL:

RECENT: The India International Science Festival (IISF) 2024 will take place from November 30 to December 3, 2024, at the Indian Institute of Technology Guwahati.

THEME: “Transforming India into an S&T-driven Global Manufacturing Hub.”

The Ministry of Science and Technology is the main organizer.

4.NAZCA LINES:

Nazca Lines are a group of geoglyphs, or large designs made on the ground by creators using elements of the landscape such as stones, gravel, dirt or lumber.

Location: These are located in the arid Peruvian coastal plain, some 400 km south of Lima.

5.INTERNATIONAL DAY OF PEOPLE WITH DISABILITIES:

RECENT: Every December 3rd, the world comes together to celebrate the International Day of Persons with Disabilities—a day dedicated to recognizing the abilities, achievements, and rights of persons with disabilities.

IDPD, observed annually on December 3, celebrates the resilience, contributions, and leadership of persons with disabilities (PwDs) worldwide.

THEME: “Amplifying the leadership of persons with disabilities for an inclusive and sustainable future”.

The IDPD was proclaimed in 1992 by United Nations General Assembly resolution 47/3.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 04/12/2024

1. PRODUCTION LINKED INCENTIVE SCHEME 2.0:

RECENT: The Government of India is planning to introduce a new Production-Linked Incentive (PLI) 2.0 scheme.

AIM: To encourage a self-sustaining drone ecosystem.

GOAL: To enhance domestic drone manufacturing, which targets a reduction in imports, aiming for 30% of total drone value to be produced locally.

2. INTERNATIONAL CONFERENCE:

RECENT: The 9th International Conference on Waste to Worth brought into light India's commitment to sustainable practices.

Several initiatives were introduced to enhance waste management.

These include the Plastic Waste Management Rules and E-Waste Management Rules.

3. HERITAGE TOURISM:

RECENT: West Bengal has gained recognition as a premier heritage tourism destination by UNESCO.

Key locations include the Dakshineswar and Kalighat temples, which are vital for attracting tourists and promoting cultural heritage.

4.SUBABUL TREE:

RECENT: Researchers have identified the therapeutic potential of the seedpods from the traditional medicinal plant Subabul in managing insulin resistance related to type II diabetes.

It is a fast-growing leguminous tree commonly found in tropical and subtropical regions.

It originates from Mexico is a small, perennial, woody, highly branched to medium-sized tree with a short, clear bole.

Distribution in India: It is mainly found in Andhra Pradesh, Kerala, Maharashtra, Odisha and Tamil Nadu

5.LISA SYSTEM:

RECENT: The union Railway minister inaugurated the Linen Inspection and Sorting Assistant (LISA) system.

It is an Artificial Intelligence-based system.

It inspects and sorts linens such as bed sheets and towels provided to passengers in the air-conditioned coaches.

The LISA system is an advanced AI-based automation machine designed to ensure 100% quality inspection of bed sheets used in trains.

It was developed by the Pune division of Indian Railways and installed in Ghorpadi Integrated Coaching Complex (GICC).

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 05/12/2024

1.NANO BUBBLE TECHNOLOGY:

RECENT: The Delhi Zoo has initiated a trial for a new water purification technology, which aims to enhance the health of aquatic animals and improve pond conditions.

Nanobubble technology generates tiny bubbles that dissolve in water.

These bubbles enhance oxygen levels and purify the water.

This technology is innovative and aims to revolutionize water management in zoos.

2.BHARATIYA VAYUYAN VIDHEYAK 2024:

RECENT: A new bill, the Bharatiya Vayuyan Vidheyak, 2024, was introduced by Union Aviation Minister.

The new legislation includes definitions for aircraft maintenance, design, and manufacturing. These definitions were absent in the previous act.

An appeal system for dispute resolution is also introduced.

3.HYBRID AGRICULTURAL INTELLIGENCE:

RECENT: By Integrating traditional farming knowledge with AI, this Hybrid Agricultural Intelligence (HAI) can create sustainable solutions to support Indian farmers.

AI has the potential to reduce farming costs .

The AI4AI program in Telangana demonstrated improvements in chilli yields and reduced pesticide use.

4.SheSTEM 2024:

SheSTEM is an annual event by Atal Innovation Mission (AIM), and the Office of Science and Innovation, at the Embassy of Sweden.

It celebrates the contributions of women in STEM.

The SheSTEM 2024 challenge invited students from grades 6–12 across India to submit innovative ideas focused on Battery Technology and Energy Storage (BEST) systems.

Part of the India-Nordic BEST project, the challenge aims to foster sustainability by advancing energy solutions.

5.HEAT SHOCK PROTEIN 70:

RECENT: The team from JNU's Special Centre for Molecular Medicine, identified a human protein, Hsp70, as a critical factor in the spread of diseases like malaria and Covid-19.

Hsp70 is a type of molecular chaperone, a protein that plays a vital role in helping other proteins fold into their proper shapes and preventing misfolding.

It plays a crucial role in regulating protein synthesis and protecting proteins from stress.

It becomes elevated during times of cellular stress and they help to shield cells from further insults.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 06/12/2024

1. RATAPANI WILDLIFE SANCTUARY:

RECENT: The Ratapani Wildlife Sanctuary has been designated as a tiger reserve and was made by the Ministry of Environment, Forest, and Climate Change.

The National Tiger Conservation Authority (NTCA) approved the move, which is anticipated to enhance ecotourism in the region.

The declaration falls under Section 38V of the Wildlife (Protection) Act, 1972.

The core area is designated as a critical tiger habitat. Nine villages are included within the reserve's buffer zone.

2. BOILERS BILL:

RECENT: The Rajya Sabha has passed the Boilers Bill 2024, replacing the Boilers Act of 1923.

The bill promotes accountability among boiler operators and also aims to streamline processes for businesses.

3. ANNA CHAKRA:

RECENT: The Union Minister of Consumer Affairs, Food and Public Distribution launched 'Anna Chakra' and SCAN (Subsidy Claim Application for NFSA) portal.

It is a Public Distribution System (PDS) Supply chain optimization tool.

It is spearheaded by the Department of Food Public Distribution, which enhances the efficiency of the PDS logistics network across the country.

It is developed in collaboration with the World Food Programme (WFP) and Foundation for Innovation and Technology Transfer (FITT), IIT-Delhi.

4.PUNATSANGCHHU-II:

RECENT: India and Bhutan discussed hydropower projects including the 1020 MW Punatsangchhu-II hydropower project.

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

It is located on the right bank of the Punatsangchhu River in the Wangdue Phodrang district in Western Bhutan.

5.HORNBILL FESTIVAL:

RECENT: The Hornbill Festival, Nagaland's iconic cultural and tourism fair that is annually held from December 1 to 10.

It was first organized in the year 2000.

AIM: to promote inter-tribal interaction and preserve Nagaland's heritage, blending the traditional with the contemporary in a harmonious display of unity.

It is also called the festival of festivals and is held every year.



DAILY DOSE

CURRENT AFFAIRS – 07/12/2024

1.ASH TALAKSHMI MAHOTS AV:

RECENT: Northeast India is a vibrant region known for its rich culture and traditions and the Ashtalakshmi Mahotsav held from December 6th to 8th, 2024, at Bharat Mandapam, Pragati Maidan, Delhi.

It will showcase the cultural heritage of Assam, Arunachal Pradesh, Meghalaya, Manipur, Nagaland, Mizoram, Tripura, and Sikkim.

2.COMMISSION ON NARCOTIC DRUGS:

RECENT: India has been selected to chair the 68th session of the Commission on Narcotic Drugs (CND).

The CND is the primary UN body for drug policy and monitors global drug trends.

The CND operates under the United Nations Economic and Social Council (ECOSOC).

It is also a governing body of the United Nations Office on Drugs and Crime (UNODC).

3.MULEHUNTER.AI:

RECENT: The Reserve Bank of India's innovation unit, RBIH, has introduced MuleHunter.AI.

AIM: To combat financial fraud effectively and specifically targets mule accounts used in illegal activities.

4.INS TUSHIL:

RECENT: INS Tushil, India's latest naval asset, initiated its sea trials from Russia's Baltiysk naval base.

It is a multi-role stealth guided missile frigate.

It is the latest in a series of upgraded Krivak III-class frigates, part of the Russian-designed Project 1135.6.

The ship incorporates 26 percent indigenous technology, with over 33 systems developed by Indian manufacturers.

5.ANGAMI TRIBE:

The Angami-Naga tribe is one among the many other Naga tribes and has its own cultural identity.

They mainly reside in the Kohima district of Nagaland. Their ancestors migrated from Myanmar to Nagaland.

They are also one of the recognised ethnic groups in the state of Manipur.

They belong to the Mongoloid race.

Tenyidie" is the most common language spoken among the Angami Nagas in Nagaland. They do not have a script of their own.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 09/12/2024

1.LAYSAN ALBATROSS:

RECENT: The world's oldest known wild bird, a Laysan albatross named Wisdom, at 74 years old, has laid what experts estimate to be her 60th egg.

The Laysan albatross (*Phoebastria immutabilis*) is a large seabird that ranges across the North Pacific.

The Northwestern Hawaiian Islands are home to 99.7% of the population.

IUCN Red List: Near Threatened.

2.SACRED GROVES:

RECENT: Sacred groves can harbour and support biodiversity and also act as carbon sinks; but most of them are under threat today.

These are patches of natural or near-natural vegetation, dedicated by local communities to their ancestral spirits or deities.

The states particularly rich in abundance of groves are Kerala, West Bengal, Jharkhand, Maharashtra, Meghalaya, Rajasthan, and Tamil Nadu.

3.ANAMALAI TIGER RESERVE:

RECENT: Coimbatore District Collector accorded community forest rights under the Forest Rights Act, 2006, to three tribal settlements in the Anamalai Tiger Reserve (ATR).

It is a protected area located at an altitude of 1400 m in the Anamalai Hills of Pollachi and Coimbatore District of Tamil Nadu.

It lies south of the Palakkad gap in the Southern Western Ghats.

It was declared a tiger reserve in the year 2007.

4.INDIAN STAR TORTOISE:

RECENT: Researchers have identified two genetically distinct groups of the Indian star tortoise species namely northwestern and southern.

Its name comes from the star-like patterns that feature on its high-domed shell.

It has very distinctive patterns and its highly rounded shell makes it popular in the world's trade in exotic pets.

Conservation status

IUCN: Vulnerable

CITES:Appendix I

Wildlife (Protection) Act 1972: Schedule I.

5.DAMSELFISH:

RECENT: A small team of ichthyologists discovered a new species of damselfish living off the shores of the Maldives.

Damselfish is any of about 250 species of small, primarily tropical marine fishes of the family Pomacentridae (order Perciformes) found in the Atlantic and Indo-Pacific oceans.

Damselfishes are deep-bodied and usually have forked tails.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 11/12/2024

1.INDIA'S FIRST HYPERLOOP TEST TRACK:

RECENT: IIT Madras has completed a 410-meter Hyperloop test track.

Hyperloop is a proposed transportation system, that was first suggested by Elon Musk in 2012.

AIM: To provide high-speed travel in a vacuum-sealed environment.

2.MANAMA DIALOGUE 2024:

RECENT: Events in the Middle East highlight escalating challenges with the situation in Syria remains critical after the rebels overthrew Bashar al-Assad.

The dialogue emphasized the need for cohesive leadership in addressing ongoing conflicts.

THEME: Regional prosperity and security.

3.URJAVEER ENERGY SCHEME 2024:

RECENT: The Andhra Pradesh government has initiated the AP Urjaveer Scheme.

AIM: To enhance energy efficiency and sustainability.

It is a collaboration with Energy Efficiency Services Limited (EESL), the focus is on training private electricians statewide and the goal is to promote and sell energy-efficient appliances.

4.NATIONAL PANCHAYAT AWARDS:

RECENT: The National Panchayat Awards Conferment Ceremony 2024, organized by the Ministry of Panchayati Raj, will take place at Vigyan Bhawan, New Delhi.

To encourage these Panchayats to excel further and inspire other rural local bodies to achieve their best, ultimately ensuring ease of living and sustainable, inclusive development in rural areas.

5.BIMA SAKSHI YOJANA:

RECENT: The Prime Minister launched the Bima Sakhi Yojana in Haryana's Panipat.

It is an initiative of the state-owned Life Insurance Corporation (LIC).

It is designed to empower women aged 18-70 years who have passed out of Class 10.

They will receive specialised training and a stipend for the first three years to promote financial literacy and insurance awareness.



DAILY DOSE

CURRENT AFFAIRS – 11/12/2024

1.INS TUSHIL:

RECENT: Defence Minister is set to commission the Indian Navy's latest frigate, INS Tushil, at Yantra Shipyard in Kaliningrad, Russia.

INS Tushil is a multi-role stealth-guided missile frigate, that enhances India's naval capabilities.

The frigate features advanced technology and combat systems.

2.PM SURYA GHAR MUFT BIJLI YOJANA:

RECENT: The PM Surya Ghar Muft Bijli Yojana (PMSGMBY) launched on February 15, 2024.

AIM: To establish 10 million rooftop solar plants by March 2027.

Gujarat and Maharashtra dominate installations, contributing over 65%. When including Uttar Pradesh and Kerala, this figure exceeds 80%.

3.C.SUBRAMANIA BHARATI:

RECENT: A complete and annotated version of the works of C. Subramania Bharati will be released by Prime Minister in New Delhi.

He was a poet, freedom fighter, and social reformer from Tamil Nadu.

He was known as Mahakavi Bharathiyar, and the laudatory epithet Mahakavi means a great poet.

He was born in Ettayapuram, South India, in 1882, and died in Madras in 1921.

4.INDIA SKILLS REPORT 2025:

RECENT: India's employability among graduates is expected to rise by 7 percent, reaching 54.81 percent in 2025, according to the 'India Skills Report 2025.'

It is prepared by the industry body Confederation of Indian Industries (CII) in collaboration with Wheebox (a talent assessment agency) and All India Council for Technical Education (AICTE).

5.GI TAGGED PRODUCTS:

RECENT: During Ashtalakshmi 2024 event many Geographical Indication tagged products were showcased.

Adi Kekir Ginger-It is grown in the Dibang Valley of Arunachal Pradesh and cultivated by the Adi tribe.

Dalle Khursani-It is a fiery red pepper grown in Sikkim that has earned fame far beyond the borders of India.

Naga King Chilli or Raja Mircha-It is grown in Nagaland and it is one of the hottest chilies in the world.

Kaji Nimu-It is a distinctive variety of lemon celebrated for its size, aroma, and sharp tang, reflects the state's rich agricultural heritage.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 12/12/2024

1. GURUVAYUR TEMPLE:

Recent - The Supreme Court recently agreed to examine a plea against the Kerala High Court order in favour of the administration of the Guruvayur temple, which decided to discontinue the ancient ritual of "udayasthamana pooja" on Ekadasi, citing crowd management issues.

Guruvayoor Sree Krishna Swamy Temple, also known as the Dwarka of the South, is a Hindu temple dedicated to Lord Krishna.

It is located in the small town of Guruvayur, in the Thrissur District of Kerala.

2. HAEMOPHILIA A:

Recent - Scientists in India have reported success with using gene therapy to treat severe haemophilia A.

Hemophilia A (classic hemophilia) is one of three types of hemophilia, a rare, inherited blood disorder.

It happens when your blood doesn't clot as it should, which is when bleeding stops or slows down.

It is a sex-linked disorder. The gene for haemophilia is carried on the X chromosome.

3. RAILWAYS (AMENDMENT) BILL, 2024:

Recent - The Railways (Amendment) Bill, 2024, was passed recently in the Lok Sabha, despite disruptions.

All the provisions in the erstwhile colonial-era Indian Railway Board Act, 1905, are proposed to be incorporated in the Railways Act, 1989, through this Bill.

It is intended to simplify the legal framework and reduce the need to refer to two laws.

4. WILLOW CHIP:

Recent - Google has announced a significant advancement in quantum computing as it unveiled its next-generation chip called 'Willow'.

It is a new state-of-the-art quantum computing chip developed by Google.

It operates using superconducting transmon qubits—tiny electrical circuits exhibiting quantum behaviour at extremely low temperatures. These circuits are engineered to function like artificial atoms in a quantum state.

5. INDIAN ROCK PYTHON:

Recent - Indian Rock Python species is believed to have declined across Tamil Nadu, except in the Moyar Valley, where the pythons seem to be thriving.

It is a large, nonvenomous python species.

It is known by the common names Black-tailed python and Asian rock python.

IUCN status: Near Threatened

CITES: Appendix II

Wildlife (Protection) Act, 1972: Schedule I



DAILY DOSE

CURRENT AFFAIRS – 13/12/2024

1.SHORTFIN MAKO SHARK:

RECENT: A young shortfin mako shark species has been tagged for the first time in the Mediterranean Sea by researchers from the United States.

It is a large predatory and highly migratory shark species that lives in the open ocean.

The shortfin mako's common name is derived from the Maori term mako, which translated means "shark".

Conservation status

IUCN: Critically endangered

CITES: Appendix II.

2.CHAKKI RIVER:

RECENT: A joint committee of officials has informed the National Green Tribunal (NGT) that stone-crushing units are even altering the course of the Chakki River at many places.

It is one of the tributaries of the Beas River.

It flows through Himachal Pradesh and Punjab and merges with the Beas near Pathankot, Punjab.

3.INDIA AI FUTURE SKILLS PLATFORM:

RECENT: The union Minister for Electronics and Information Technology has announced that 8.6 lakh candidates have enrolled in the IndiaAI Future Skills platform.

It is one of the seven foundational pillars of the IndiaAI Mission.

AIM: To enhance India's AI workforce readiness by mitigating barriers to entry in AI programs and advancing the AI talent pipeline.

4.MALAYAN NIGHT HERON:

RECENT: The Malayan Night Heron, a migratory bird from Southeast Asia, has been officially recorded in Madurai for the first time, near the Alagar Kovil hills.

It is also known as Malaysian night heron and tiger bittern, It is a medium-sized and nocturnal species.

Conservation status

IUCN: Least concern.

5.MANGANESE:

RECENT: A team of scientists has claimed that Manganese (Mn) contamination of water is causing cancer in the Gangetic plains of Bihar.

Manganese is the fifth-most abundant metal on earth that exists in the form of oxides, carbonates and silicates.

It is present in food, water, soil, and rock as a naturally occurring component.



DAILY DOSE

CURRENT AFFAIRS – 14/12/2024

1.NATIONAL ENERGY CONSERVATION DAY:

RECENT: India observes National Energy Conservation Day on December 14 each year.

OBJECTIVE: To encourage individuals and organizations to adopt energy-efficient behaviors.

2.NATIONAL CONFERENCE OF CHIEF SECRETARIES:

RECENT: The fourth National Conference of Chief Secretaries is taking place in New Delhi, led by Prime Minister Narendra Modi.

AIM: To enhance cooperation between Central and State Governments.

The focus is on cooperative federalism to ensure effective coordination for accelerated growth and development.

3.eCOURTS MISSION MODE PROJECT:

AIM: To modernize the Indian Judiciary through improved Information and Communication Technology (ICT).

The project is being implemented in phases, with ongoing collaboration between the Department of Justice and the eCommittee of the Supreme Court.

4.DESERT KNIGHT EXERCISE:

RECENT: It is a three-day event designed to strengthen military ties, taking place approximately 350-400 km southwest of Karachi.

MEMBERS: India, France, and the UAE.

The exercise focuses on improving the air forces' ability to operate collaboratively in complex combat scenarios.

5.ABATHSAHAYESWARAR TEMPLE:

RECENT: The 1,300-year-old Abathsahayeshwarar Temple has been chosen by UNESCO to receive the Asia-Pacific Awards for Cultural Heritage Conservation award.

Location: It is located in Thukkatchi in Thanjavur district of Tamil Nadu.

It was constructed during the reigns of Kings Vikrama Chola and Kulothunga Chola.

This temple stands as a testament to the architectural brilliance and spiritual dedication of the Chola dynasty.

PRABHAKAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 16/12/2024

1.THE WORLD'S MOST TOXIC PLANT:

RECENT: The Gympie-Gympie, scientifically known as *Dendrocnide moroides*, is considered the most toxic plant globally. Native to Australia, it has gained notoriety due to its excruciating sting, which can induce unbearable pain and distress.

2.SARAT:

RECENT: The Indian National Centre for Ocean Information Services (INCOIS), under the Ministry of Earth Sciences (MoES) has developed a newer version of its own Search and Rescue Aid Tool (SARAT).

It was launched in 2016 for facilitating the search and rescue operations in the seas to locate individuals/vessels in distress in the shortest possible time.

3.HUMPBACK WHALES:

RECENT: In an astonishing feat, a male humpback whale has swum over 13,046 kilometres from South America to Africa, setting a new record for the longest whale migration ever documented.

The humpback whale gets its common name from the distinctive hump on its back. Its long pectoral fins inspired its scientific name, Megaptera, which means “big-winged”.

Conservation status

IUCN: Least concern

CITES: Appendix I.

4.GOLAN HEIGHTS:

RECENT: Israel agreed to double its population on the occupied Golan Heights.

It is a hilly area overlooking the upper Jordan River valley on the west.

It is a Syrian territory occupied by Israel since 1967.

5.LITTLE BUNTING:

RECENT: A little bunting bird, never before seen in Rajasthan, has been spotted in Mount Abu.

It is a passerine bird belonging to the bunting family (Emberizidae).

Scientific Name: *Emberiza pusilla*.

IUCN Red List: Least Concern.



DAILY DOSE

CURRENT AFFAIRS – 17/12/2024

1.SLINEX NAVAL EXERCISE:

RECENT: SLINEX 2024 is set to take place from December 17 to 20 off the coast of Visakhapatnam, organised by the Eastern Naval Command, and involves India and Sri Lanka.

AIM: To enhance maritime cooperation between the two nations.

2.GADHIMAI MAHOTSAV:

RECENT: The Gadhimai Mahotsav, held every five years in Nepal, attracts millions despite ongoing protests from animal rights activists.

The event is notorious for its mass animal sacrifices, drawing attention and criticism globally.

It occurs at the Gadhimai Temple in Bariyarpur, Bara district, near the Indo-Nepal border.

The festival lasts for 14 days and includes various activities, such as sports, entertainment, and food stalls, alongside the main sacrificial rituals.

3.CHARAK INITIATIVE:

RECENT: Northern Coalfields Limited (NCL) has introduced a CSR initiative named 'CHARAK'.

GOAL:To offer free treatment for life-threatening diseases, and target residents from Singrauli and Sonbhadra districts whose family income is below Rs. 8 Lakhs annually.

The initiative aligns with the Ministry of Coal's commitment to community welfare and health.

4.KALESHWARAM LIFT IRRIGATION SCHEME:

RECENT: The National Dam Safety Authority (NDSA) is preparing to submit its final report on the Kaleshwaram Lift Irrigation Scheme (KLIS) by December 2024.

This report will not include the geotechnical tests previously requested by the state government.

It is in Telegana.

5.INS NIRDESHAK:

RECENT: INS Nirdeshak is set to be commissioned on December 18 at the Naval Dockyard, Visakhapatnam.

INS Nirdeshak is the second ship under the Survey Vessel (Large) Project of the Indian Navy.

It is designed to conduct hydrographic surveys, assist in navigation, and support maritime operations.

It is built by Garden Reach Shipbuilders and Engineers (GRSE), Kolkata.

The name 'Nirdeshak', meaning 'Pathfinder', signifies its role in charting the seas with precision.



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CURRENT AFFAIRS – 18/12/2024

1.SMART PHONE EXPORTER:

RECENT: India has made strides in the global smartphone market and has risen from 23rd to 3rd place in smartphone exports since 2019.

Under the PLI scheme, India has set ambitious targets for smartphone exports.

The goal for the financial year 2024-25 is to export 70-75% of the total production value.

2.ANTI-PESTICIDE BODYSUIT:

RECENT: The Kisan Kavach, India's pioneering anti-pesticide bodysuit, was revealed.

AIM: To protect farmers from the adverse effects of pesticides.

The Kisan Kavach was developed by BRIC-inStem in Bangalore, in collaboration with Sepio Health Pvt. Ltd.

3.CCI CONNECT 2024:

RECENT: The Confederation of Indian Industry (CII) Tamil Nadu will host the 22nd edition of CII Connect on December 17 and 18, 2024, in Chennai.

The event will center on “Artificial Intelligence in Action – Real-World Applications in Business,”

AIM: To highlight the transformative potential of AI in various sectors.

4. MINORITIES RIGHTS DAY:

RECENT: It is observed annually on December 18, commemorating the adoption of the UN Declaration on the Rights of Persons Belonging to National or Ethnic, Religious, and Linguistic Minorities in 1992.

Events are held worldwide to raise awareness about minority rights and promote their protection.

5. CYCLONE CHIDO:

Cyclone Chido recently struck Mayotte, a French Indian Ocean territory located in the Mozambique Channel.

Wind speeds reached 200 km/h, making it the strongest cyclone to hit Mayotte in over 90 years.

PRABHAKAR ACADEMY

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 19/12/2024

1.AI INCUBATION CENTRE:

RECENT: The Indian Army has recently inaugurated the Artificial Intelligence Incubation Centre (IAAIC) in Bengaluru.

AIM: To enhance the Army's capabilities and develop a skilled workforce in AI.

2.CCTNS:

RECENT: All 17,130 police stations across India are now linked through the CCTNS platform.

The Crime and Criminal Tracking Network and Systems (CCTNS) is a centralized online platform conceptualized under the Ministry of Home Affairs.

AIM: To establish a comprehensive and integrated system to enhance the efficiency and transparency of police operations at the police station level.

3.RED JUNGLE FOWL:

RECENT: A controversy has arisen regarding the alleged consumption of 'Jungli Murga' (Grey Junglefowl) by the Chief Minister of Himachal Pradesh.

Wildlife (Protection) Act, 1972: The Grey Junglefowl is listed under Schedule I, providing it with the highest level of legal protection.

Hunting or consuming this species is a criminal offence, punishable under the Act.

Category: Least Concern.

4.SACRED GROVES:

RECENT: The Supreme Court of India has directed the Union government to formulate a comprehensive policy for managing sacred groves across the country.

Sacred Groves are small patches of forests or natural vegetation that are protected by local communities due to their religious and cultural significance.

5.KISAN KAVACH:

RECENT: The union Minister of State (Independent Charge) for Science and Technology unveiled Kisan Kavach.

It is a first-of-its-kind anti-pesticide bodysuit designed to protect farmers from the harmful effects of pesticide exposure.

It is developed by the Biotechnology Research and Innovation Council (BRIC-inStem), Bangalore, in collaboration with Sepio Health Pvt. Ltd.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 21/12/2024

1.SPIRIT NIGHTS:

RECENT: Easterine Kire, a prominent writer from Nagaland, has been honored with the Sahitya Akademi Award for 2024 and announced its annual awards in 21 languages.

Kire received the award for her novel Spirit Nights, published by Simon and Schuster India, which explores a haunting tale from the Chang Naga tribe of Nagaland.

2.PARA ATHLETICS WORLD CHAMPIONSHIP:

RECENT: New Delhi will be the venue for the 2025 World Para Athletics Championships, marking a milestone as it is the first time India will host this prestigious event.

The Jawaharlal Nehru Stadium in New Delhi will serve as the main venue. The 2025 World Para Athletics Championships will be the 12th edition of the event.

It will also be the fourth time the championships are held in Asia. Previous Asian hosts include Doha in 2015, Dubai in 2019, and Kobe in 2024.

3.E-SHARAM PORTAL:

RECENT: The E-Shram Portal serves as a vital tool for unorganised workers in India, launched on August 26, 2021.

AIM: To create a National Database of Unorganised Workers (NDUW) verified through Aadhaar.

This initiative enhances access to social security and job opportunities for millions.

4.VIRAASAT:

RECENT: The third edition of the VIRAASAT Sari Festival is being organized by the Ministry of Textiles from 15th to 28th December 2024 at Handloom Haat in New Delhi.

To celebrate and promote the rich heritage of handloom saris from various regions of the country.

Organizer: National Handloom Development Corporation Ltd (NHDC) under the Ministry of Textiles.

5.BORDOIBAM-BILMUKH BIRD SANCTUARY:

RECENT: Assam Bird Sanctuary records a 72% decline in bird species count in 27 years.

It is situated on the boundary of Dhemaji and Lakhimpur districts in Assam and covers an area of approximately 11.25 sq. km and lies at an altitude of 90-95 meters above mean sea level.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 20/12/2024

1.VARMAM THERAPY:

RECENT: The National Institute of Siddha (NIS) has set a Guinness World Record for providing Varmam therapy to 567 individuals simultaneously.

It is a unique and traditional healing modality within the Siddha system of medicine, and has long been revered for its effectiveness in treating various health conditions.

It is a drugless, non-invasive, simple therapy used in pain management.

2.DARK COMET:

RECENT: NASA scientists are closely studying a new class of celestial objects known as “dark comets”.

They are celestial bodies which lack the glowing tails and resemble asteroids.

The first indication of dark comets came in 2016, when asteroid 2003 RM exhibited unusual orbital deviations.

These comets fall into two main categories: “outer dark comets,” which have eccentric orbits and are larger, and “inner dark comets,” which are smaller and closer to the Sun, with nearly circular orbits.

3.EASTERN MARITIME CORRIDOR:

RECENT:The launch of the Chennai-Vladivostok Eastern Maritime route has cut shipping time and costs, thereby boosting trade between India and Russia in oil, food, and machinery.

It connects South India with Russia's Far East region.

The corridor significantly reduces cargo transit time by up to 16 days and cuts distance by up to 40%, making it a highly efficient trade route.

4.CALYPTOCEPHALLELA GAYI:

RECENT: A giant frog species *Calyptocephallela gayi* is now losing ground in its native Chile as climate change and human intervention damage its habitat.

It is also known as Helmeted Water Toad which hopped alongside dinosaurs and is considered a "living fossil".

Conservation Status

IUCN: Vulnerable.

5.MILKWEED FIBER:

RECENT: The union Ministry of Textiles is encouraging by extending its research and development efforts into new natural fibers, including milkweed fiber.

It is the seed fiber obtained from milkweed plant.

Milkweed (*Asclepias syriaca* L) plant belongs to the genus *Asclepias* of the family *Asclepiadaceae* and is also known as stubborn weed.

In India, it is found as a wild plant in the states of Rajasthan, Karnataka and Tamil Nadu.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 23/12/2024

1. UDAAN YATRI CAFE:

RECENT: The Ministry of Civil Aviation has launched the “Udaan Yatri Cafe” at Kolkata airport.

The cafe will serve essential items such as water, tea, coffee, and snacks.

2. NATIONAL FARMERS DAY:

RECENT: National Farmers’ Day, observed on December 23, recognizes the vital contributions of farmers to India’s development.

Farmers play a fundamental role in the economy, which provides food for the population and contributes to rural employment.

3. ISSF JUNIOR WORLD CUP 2025:

RECENT: India has been awarded the hosting rights for the International Shooting Sport Federation (ISSF) Junior World Cup in the latter half of 2025.

The ISSF Junior World Cup is a prestigious championship that marks young talent in shooting sports.

The National Rifle Association of India (NRAI) has been instrumental in securing the hosting rights for the Junior World Cup.

4. AEROGELS:

RECENT: A group of researchers from Pune have developed a novel hybrid aerogel capable of easily extracting gold from electronic waste.

Aerogels are among the lightest solid materials.

They are created by combining a polymer with a solvent to form a gel, and then removing the liquid from the gel and replacing it with air.

They are also known as 'solid air' or 'frozen smoke' are excellent adsorbents (a solid substance used to remove contaminants) and are incredibly lightweight solids composed mostly of air.

5.GREEN DEPOSIT:

RECENT: Why green deposits are struggling to take root in India.

Green deposits are interest-bearing fixed-term deposits where proceeds are allocated specifically towards green finance projects.

These deposits are denominated only in Indian Rupees as per the Reserve Bank of India (RBI) framework.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 24/12/2024

1. GLASS CHILD SYNDROME:

The term “glass child” refers to siblings of children with chronic illnesses or disabilities.

These siblings often feel invisible, overshadowed by their sibling’s condition, which has gained attention, denoting the emotional struggles faced by these children.

2. GLOBAL DESTINATION 2025:

RECENT: Madhya Pradesh has gained international recognition as the Wall Street Journal named it one of the Go-To Global Destinations for 2025.

This accolade showcases the state’s rich heritage, diverse wildlife, and stunning landscapes.

3. KASHMIRI PAPIER-MACHE:

RECENT: 343 years after its extinction, Kashmir artisans give wings to the dodo in papier mache.

Kashmiri Papier-mâché is a traditional handicraft of the Kashmir Valley. It was introduced in the 14th century by Muslim saint Mir Sayyid Ali Hamadani from Persia.

This craft is known for its intricate designs and use of paper pulp to create colourful, richly decorated items.

4. BIO-BITUMEN:

RECENT: The Union minister for road transport and highways inaugurated a 1km stretch of Asia's first highway with a bio-bitumen blended surface.

It is a petroleum-free alternative to bitumen, or asphalt.

It is a sustainable alternative to traditional asphalt and it's designed to lower the carbon footprint of road construction.

It's made using non-petroleum-based renewable resources and can be made from vegetable oils, synthetic polymers, or both, making it a more sustainable model long term.

5.ETHIOPIAN WOLF:

RECENT:Research has highlighted the Ethiopian wolf as a rare example of a nectar-feeding carnivore, potentially contributing to the pollination of plants.

Specialized habitat and role: The Ethiopian wolf is a specialized rodent hunter in Afroalpine ecosystems and unique African high-altitude regions.

These ecosystems, located mainly in the Ethiopian Highlands, exist at altitudes of 3,200 meters above sea level and are characterized by cold and harsh climates.

With fewer than 500 individuals remaining, the Ethiopian wolf is Africa's most endangered carnivore.



DAILY DOSE

CURRENT AFFAIRS – 25/12/2024

1.GOVERNOR:

RECENT: The President has appointed two new Governors and reshuffled three others.

Article 153: Mandates a Governor for each state.

A single person can serve as Governor for multiple states (as per the Sarkaria Commission).

The Canadian model inspires the office and is an independent constitutional authority.

2.KILAUEA VOLCANO:

RECENT: One of the world's most active volcanoes Hawaii's Kilauea is erupting again.

Southern part of Hawaii's Big Island, within Hawai'i Volcanoes National Park, U.S.A.

Type: Youngest and most active Hawaiian shield volcano, renowned for frequent eruptions.

3.QUANTUM COMPUTING:

RECENT: A study by IBM highlights a growing interest in quantum computing in India, driven by active participation from students, developers, and academic institutions.

It is a cutting-edge technology leveraging the principles of quantum mechanics to solve problems too complex for traditional computers.

4. LION TAILED MACAQUE:

RECENT: A study warns of a growing threat to non-human primates like lion-tailed macaques due to increasing human wildlife interaction.

It is an Old World monkey.

It is an arboreal and diurnal creature, they sleep at night in trees (typically, high in the canopy of rainforest).

Conservation Status

IUCN: Critically Endangered

CITES: Appendix I

The Wildlife (Protection) Act, 1972: Schedule I.

5. GREENLAND:

RECENT: The US President-elect Donald Trump has once again expressed interest in buying Greenland.

It is the world's largest (non-continent) island located between the continents of North America and Europe in the North Atlantic Ocean.

It is geographically considered a part of the North American continent.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 26/12/2024

1. VIKSIT PANCHAYAT KARMAYOGI:

RECENT: The 'Viksit Panchayat Karmayogi' initiative was launched on Good Governance Day and commemorates the 100th birth anniversary of former Prime Minister Atal Bihari Vajpayee.

AIM: To strengthen Panchayati Raj Institutions (PRIs) through enhanced governance tools and knowledge.

2. NORTH EAST BANKERS CONCLAVE 2024:

RECENT: Union Home Minister Amit Shah addressed the North East Bankers Conclave 2024 in Agartala, Tripura.

AIM: To encourage financial institutions to invest in the region's development.

3. OCEAN ANOXIC EVENT 1a:

RECENT: A study published in Science Advances has refined the timing and duration of Ocean Anoxic Event 1a (OAE 1a) by analyzing prehistoric rocks and fossils from Mount Ashibetsu, Japan.

OAE 1a occurred during the Cretaceous Period (145–66 million years ago), marking a time when Earth's oceans became depleted of oxygen. This led to severe disruptions in marine ecosystems.

4. MARBURG VIRUS DISEASE:

RECENT: Rwanda has successfully contained and declared its first-ever outbreak of Marburg Virus Disease (MVD) officially over after 42 days without new cases.

MVD is a severe and often fatal hemorrhagic fever caused by the Marburg virus, with no approved vaccines or treatments currently available.

Capital City: Kigali.

5.GOLDEN VISA PROGRAMME:

RECENT: Spain's Congress has approved the termination of the controversial Golden Visa programme.

It is a residence by investment (RBI) plan, which grants temporary residency to foreign nationals in exchange for a significant donation or investment in real estate, business, or other fields known as a "Golden Visa."

High-net-worth individuals (HNWIs) often physically relocate to favorable jurisdictions through golden visa schemes, granting them complete legal residency rights, including the facility to live, work, study, and receive healthcare in that nation.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 27/12/2024

1.WORLD'S LARGEST DAM:

RECENT: China has approved the construction of the world's largest dam on the Brahmaputra River, located in Tibet near the Indian border, which is poised to cost approximately \$137 billion.

The dam will be built on the lower section of the Yarlung Zangbo River, the Tibetan name for the Brahmaputra.

2.J-20 STEALTH FIGHTER JET:

RECENT: social media activity has showcased new Chinese combat aircraft, reflecting advancements in aerospace technology, coincide with notable anniversaries, including the J-20 stealth fighter's rollout and Mao Zedong's birthday.

It has a unique cockpit and diamond-shaped wings without vertical tails.

The aircraft employs split rudders for yaw control, reminiscent of the Northrop Grumman B-2.

3.AMERICA'S NATIONAL BIRD:

RECENT: The bald eagle, a powerful symbol of the United States, has received formal recognition as the national bird, conferred by President Joe Biden through legislation passed by Congress.

The bald eagle is distinguished by its striking white head, yellow beak, and brown body, embodying the spirit of American strength.

4.CAG:

RECENT: Uncertainty looms over Delhi Assembly special session to table CAG reports.

The Comptroller and Auditor General of India (CAG), under Article 148 of the Indian Constitution, plays a pivotal role in the financial administration of the country.

The CAG is the guardian of the public purse, ensuring accountability and transparency in the management of public funds at both the Central and State levels.

5.KAVERI ENGINE:

RECENT: India's Gas Turbine Research Establishment (GTRE), part of the Defence Research and Development Organisation (DRDO), has announced that the Kaveri engine has been cleared for inflight testing.

The Kaveri engine project began in the late 1980s with the goal of powering the Light Combat Aircraft (LCA) Tejas.

It is developed by the Gas Turbine Research Establishment under the Defence Research and Development Organisation.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 28/12/2024

1.PM-ABHIM:

RECENT: The Delhi High Court has issued a directive to the Aam Aadmi Party (AAP) government, ordering the government to sign a Memorandum of About (MoU) with the Ministry of Health and Family Welfare by January 5.

The Pradhan Mantri Ayushman Bharat Health Infrastructure Mission (PM-ABHIM) is a key initiative by the Central government.

It aims to enhance public health infrastructure across India.

The initiative also focuses on preparing for future pandemics and health emergencies.

2.MASLD:

RECENT: Studies have revealed the reclassification of Non-Alcoholic Fatty Liver Disease (NAFLD) to Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD).

AIM: To clarify the connection between fatty liver disease and metabolic disorders, such as obesity and diabetes.

This term replaces NAFLD, which focuses on the absence of alcohol use, often perpetuating stigma.

3.SEA OTTERS:

RECENT: A recovering population of sea otters in California, especially in the Elkhorn Slough National Estuarine Research Reserve, has helped curb green crab proliferation.

Sea otters were extensively hunted in the 18th and 19th centuries for their thick, soft fur.

Declared a fully protected mammal in California in 1913, but populations faced challenges from oil spills and habitat loss.

4.CANARY ISLANDS:

The Canary Islands, a Spanish archipelago located about 62 miles west of Morocco, are part of the European Union's outermost regions.

The main islands include Lanzarote, Fuerteventura, Gran Canaria, Tenerife, La Gomera, La Palma, and El Hierro.

5.BIODIVERSITY CREDITS:

RECENT: A study published in the Proceedings of the Royal Society B highlights significant uncertainties regarding the effectiveness of biodiversity credits.

A biodiversity credit is a verifiable, quantifiable, and tradeable financial certificate rewarding positive biodiversity outcomes, such as the conservation or restoration of species, ecosystems, and natural habitats.

Biodiversity Credits (Biocredits) are gaining attention as a mechanism to finance biodiversity conservation and achieve the targets under the Kunming-Montreal Global Biodiversity Framework (KMGBF).

The KMGBF, established during the 15th Conference of Parties (CoP15) of the Convention on Biological Diversity (CBD), aims to promote biodiversity conservation, sustainable use of natural resources, and equitable benefit-sharing.



DAILY DOSE

CURRENT AFFAIRS – 30/12/2024

1.DENMARK STRAIT CATARACT:

It holds the distinction of being the largest waterfall on Earth.

It is situated in the underwater channel between Iceland and Greenland.

It drops an astonishing 11,500 feet (3,500 metres) from its summit to the ocean floor.

2.ROOPOPUR NUCLEAR POWER PLANT:

RECENT: An anti-corruption outfit in Bangladesh has initiated investigation into the \$12.65 billion Rooppur nuclear power plant that is being constructed with Russian assistance.

It is a nuclear power plant under construction in Iswardi, Pabna District, Rajshahi Division, Bangladesh.

It will be Bangladesh's first source of nuclear power.

Bangladesh Atomic Energy Commission (BAEC) is the owner of the Rooppur nuclear plant.

3.SANJAY GANDHI NATIONAL PARK:

RECENT: In what comes as a cause of concern, a fire broke out just outside the Sanjay Gandhi National Park (SGNP) in Mumbai.

SGNP, earlier known as Borivali National Park, is a large protected area near Borivali in the northern part of Mumbai.

It is situated partly in Thane District and in Mumbai Suburban District of Maharashtra.

It covers an expansive area of 103 square kilometres, making it one of the largest parks within the city limits.

4.BAYRAKTAR AKINCI:

RECENT: It is a long-endurance unmanned combat aerial vehicle (UCAV) developed by Turkish drone manufacturer Baykar.

It has been designed to perform various operations supporting fighter jets. It is capable of performing air-to-ground and air-to-air attack missions.

5.NOROVIRUS:

RECENT: A sharp increase in norovirus outbreaks has been reported in the US this winter.

Norovirus is a common and highly contagious virus that causes inflammation in the stomach and intestines, a condition known as gastroenteritis.

It is also sometimes referred to as the 'stomach flu' or the 'winter vomiting bug'.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS – 31/12/2024

1.WAVES:

RECENT: India is set to host the World Audio Visual Entertainment Summit (WAVES) in 2025, marking a milestone for the nation, and providing a platform to showcase its creative talents.

AIM: To bring together industry leaders and creators.

It will serve as a global stage for discussing trends, challenges, and opportunities in the audio-visual sector.

2.A YEAR OF CLIMATE CRISIS:

RECENT: The United Nations has reported extreme weather patterns and record-breaking heat, urging immediate global action to avert disaster.

2024 has seen severe weather phenomena, including record rainfall and devastating floods.

Tropical cyclones have inflicted human and economic damage in various regions, notably in Mayotte.

3.STELLARIA BENGALENSIS:

RECENT: Researchers identified a new plant species named *Stellaria bengalensis* in Kalimpong district, West Bengal.

The plant was discovered by Arya S. from PSG College of Arts and Science and Harsh Singh from North-Eastern Hill University.

It adds to the biodiversity of the region and marks the ongoing exploration of India's flora.

It is listed as “data deficient” by the International Union for Conservation of Nature (IUCN),

4.FIRST MADE-IN-INDIA SURGICAL ROBOT:

RECENT: The SSI Mantra, India’s first made-in-India surgical robot, has been installed at Noble Hospital and Research Centre in Pune, Maharashtra.

The SSI Mantra boasts five robotic arms and a 3D HD headset for surgeons, including a vision cart that provides 3D 4K imaging.

This advancement in medical technology gained approval from the Central Drugs Standard Control Organisation (CDSCO).

5.KESSLER SYNDROME:

RECENT: In recent months, incidents involving space debris have escalated, raising concerns for astronauts aboard the International Space Station (ISS).

Dr. Vishnu Reddy warns of Kessler Syndrome, a scenario where collisions produce additional debris, leading to a self-perpetuating cycle of destruction.

As more objects are launched into space, the likelihood of such an event increases.