



DAILY DOSE

CURRENT AFFAIRS - 02/06/2023

1. SWACHH JAL SE SURAKSHA CAMPAIGN REPORT:

Recently unveiled by Union Ministry for Jal Shakti.

Campaign's primary objective - urging the States and Union Territories (UTs) to prioritize and actively engage in water quality monitoring and surveillance endeavors.

The Jal Jeevan Mission focused on the crucial aspect of providing a safe water supply.

2. NATIONAL MISSION FOR MENTORING:

Recent - a capacity building workshop was organized by the National Council for Teacher Education.

The NMM was launched in pilot mode on July 2022.

Aim - to create a robust system of mentorship that empowers teachers to enhance their teaching practices and overall effectiveness in the classroom.

3. CURRENCY DEMAND PARADOX:

It is often referred to as the “paradox of banknotes”.

It is a phenomenon where the value of banknotes in circulation increases despite a decline in their use for payments.

4. INDIA - EU GLOBAL GATEWAY CONFERENCE:

The India-EU Connectivity Conference is scheduled to take place in Meghalaya.

Aim - to explore opportunities for boosting connectivity investments in India's North Eastern States and its neighboring countries.

Focus on three pillars - digital, energy, and transport.

5. CENTRALIZED LABORATORY NETWORK:

Recent - India has become a member of the CLN, a global collaboration.

Aim - testing vaccines during pandemic and epidemic disease outbreaks.

It is part of the Coalition for Epidemic Preparedness Innovations, consists of 15 partner facilities from 13 countries.



DAILY DOSE

CURRENT AFFAIRS - 03/06/2023

1. PHUKOT KARNALI HYDRO ELECTRIC PROJECT:

Recent - the National Hydroelectric Power Corporation and Vidhyut Utpadan Company have signed an initial pact for the development of the project.

NHPC - A premier government enterprise with Miniratna status holds development of hydropower project.

This project is designed as a Peaking Run Of River type scheme which allows for the optimal utilisation of river flow variations by storing water and release during peak demand.

Karnali - also known as Ghagra river in India.

2. UNIFIED REGISTRATION PORTAL FOR GOBARDHAN:

Recent - Union Jal Shakti Minister unveiled the unified registration portal for GOBARDhan.

Aim - to convert waste into wealth and energy by creating or generating biogas, CBG and biofertilizers from waste and promote circular economy.

This portal allows any government, cooperative or private entity operating or intend to establish a unique registration number.

This number serves as a key identifier for entities in biogas sector.

3. ELECTRONICS REPAIR SERVICES OUTSOURCING:

Recent - Ministry of Electronics and Information Technology has recently introduced the electronics repair services outsourcing.

Aim - to position India as the most appealing destination for repairing ICT products on a global scale.

This aligns with Mission LIFE.

4. NICE ENDORSES RIMEGEPANT:

Recent - National Institute for Health and Care Excellence has endorsed rimegepant, also known as vydura, as a preventive treatment for migraine.

Migraine is a debilitating neurological disorder affecting millions of people worldwide.

5. HUMAN METAPNEUMO VIRUS:

Recent - HMPV has become a cause for concern as cases of Covid 19 and RSC decline.

It is a respiratory virus which primarily affects the upper respiratory tract, leading fo symptoms such as nasal congestion, cough, shortness of breath, and fever.

There is no specific vaccine available to prevent this infection.



DAILY DOSE

CURRENT AFFAIRS - 05/06/2023

1.GALLERI TEST:

It is a blood test capable of detecting over 50 types of cancer.

It is conducted by NHS.

Aim: To revolutionize cancer detection by identifying treatable cancer at an early stage, thus offering a chance to save lives.

2.SMART BANDAGE:

It is a soft stretchable polymer that helps the bandage maintain contact with and stick to the skin.

Bioelectronic system consists of biosensor, flexible printed circuit board, a pair of electrodes.

BIOSENSOR: Monitors wound status.

PRINTED CIRCUIT BOARD: Data collected by bandage is passed on to smartphone for physician by wireless method.

ELECTRODES: It has drug control that releases hydrogel for wound healing.

3.FOOT ROT DISEASE:

It is also known as Bakanae Disease.

It is a soil and seed-borne deadly fungus which is seen only in the Basmati variety of paddy.

It is caused by 'Fusarium verticillioides' fungi.

The infected saplings turn pale yellow, become elongated and eventually die.

4.CL-20:

It is hailed as one of the most explosive non-nuclear substances on Earth.

It has exceptional energy output.

RECENT: China has claimed a substantial enhancement in the safety of CL-20, one of the most potent explosive known worldwide.

5.AMCHANG WILDLIFE SANCTUARY:

It is in the state of assam.

It comprises three Reserve forests-Khanapara, Amchang, and South Amchang.

Tree yellow butterflies (gancana harina) are found at the Amchang wildlife sanctuary which is indigenous to Thailand, Malaysia, Singapore and northeast India.



DAILY DOSE

CURRENT AFFAIRS - 06/06/2023

1. NATIONAL INSTITUTIONAL RANKING FRAMEWORK 2023:

Recent - the minister of Education released the NIRF 2023.

IIT Madras retains its 1st position in overall category and engineering.

Introduction of new subjects namely agriculture and allied sector, innovation, architecture and planning.

2. EXERCISE EKATHA:

Recent - Indian Navy divers and marine commanders are in Maldives for its 6th edition of Ex Ekatha.

It is an annual exercise.

Objective - to enhance interoperability in diving and special operations.

3. MV EMPRESS:

Recent - the union minister of Ports, Shipping and Waterways flagged off India's 1st International Cruise Vessel from Chennai to Sri Lanka.

The cruise service will sail to 3 Sri Lankan ports, viz., Hambantota, Trincomalee and Kankesanturei.

4. LAVENDER FESTIVAL:

Recent - union minister inaugurated the Lavender Festival in Bhaderwah, Jammu as part of the one week one lab campaign organised by CSIR-IIM.

Bhaderwah is hailed as the Lavender Capital of India.

Lavender is a fragrant flowering plant known for its purple flowers and soothing scent.

It is cultivated for essential oil etc.,.

Lavender revolution launched in 2016 by the union ministry of Science and Technology through CSIR's Aroma Mission.

To support the domestic aromatic crop based agriculture lavender oil, lavender water, hydrosol.

5. UHL RIVER:

Recent - Himachal Pradesh and Punjab are set for a face off over the ownership of Shanan Power Project located in Uhl river.

99 years lease given to Punjab by then ruler of Mandi, Raja Joginder Singh Bahadur, would end in March 2024.

The river originates from Thamsar glacier which is situated in Dhauldhar ranges and flows through Uhl valley(also famous as chohar valley).

Uhl river is water basin of Beas river.

After crossing chohar valley, Uhl river meets Beas river.



DAILY DOSE

CURRENT AFFAIRS - 07/06/2023

1.UNDERSEA CABLE CONNECTION PROJECT:

RECENT: Japan, US and Australia announced their joint venture in a undersea cable project.

AIM: To improve network connectivity in the Indo-Pacific region, while countering china's expanding influence.

Project links the state of Kosrae in the Federated state of Micronesia, Tarawa in Kiribati, Naurau to the existing cable point in Pohnpei, Micronesia.

2.KAKHOVKA DAM:

It is situated on the banks of River Dnipro in southern Ukraine.

River Dnipro seperates Russia and Ukraine.

RECENT: The Dam has been broken down by Russia.

3.FATTAH MISSILE:

It is an intermediate range ballistic missile developed by Iran.

It can travel at hypersonic speeds of upto 15 times the speed of the sound and it can penetrate into missile defence system.

Range- 1400 kilometers and it uses solid propellant which allows high manoeuvrability.

It has the capability to utilize various warheads for different missions.

4.NYAYA VIKAS PORTAL:

Nyaya vikas scheme has been implemented by department of justice.

This scheme is for the development of infrastructure facilities for districts and subordinate judiciary.

PORTAL : It empowers stakeholders with seamless access to information about funding, documentation, project monitoring and approval.

5.VARUNASTRA:

It is indigenously developed ship launched, heavy weight, electrically propelled anti-submarine Torpedo.

It is capable of targetting quiet submarines both in deep and shallow waters.

Torpedo's guidance system uses active-passive acoustic homing, wire guidance and GPS/NavIC satellite guidance.



DAILY DOSE

CURRENT AFFAIRS - 08/06/2023

1. SPINOZA PRIZE:

It is also known as the Dutch Nobel Prize.

It recognizes outstanding researchers who have made significant advancements in their fields and have demonstrated exceptional scientific contributions.

Recent - Indian-origin scientist Joyeeta Gupta has been honored with the prestigious Spinoza Prize.

For her remarkable contributions to science and her commitment to creating a just and sustainable world.

2. MAHIR:

The Mission on Advanced and High-Impact Research.

Launched by the Ministry of Power and the Ministry of New and Renewable Energy.

Aim - to leverage emerging technologies in the power sector through indigenous development and collaboration.

3. AMRIT GENERATION CAMPAIGN:

Launched by Ministry of Women and Child Development.

Aim - to empower and engage the youth of India by providing them a platform to express their aspirations and dreams for the future.

4. STATE FOOD SAFETY INDEX:

5th edition and it is an annual evaluation published by FSSAI.

This index assesses various aspects of food safety across six categories.

Among larger states, Kerala secured the top ranking and in the smaller states category, Goa emerged as the leader.

5. FINANCIAL SERVICES INSTITUTION BUREAU:

Recent - has selected new chiefs for the General Insurance Corporation of India(GIC Re) and National Insurance Company(NIC).

It's a government body set up under the Department of Financial Services by replacing the Bank Board's Bureau.

It is headed by a chairman who is nominated by the central government.

The board would comprise the Secretaries of the DFS, the chairman of IRDAI, and a deputy governor of the RBI.

Additionally, it will have three part-time members who are experts in banking and three more from the insurance sector.



DAILY DOSE

CURRENT AFFAIRS - 09/06/2023

1. GAULA RIVER:

The Gaula River, also known as the Gola River, originates in the Paharpani Village of Uttarakhand.

The river is also referred to as Kichha and Baigul in certain sections.

Ultimately, the Gaula River joins the Ramganga River in Uttar Pradesh, which is a tributary of the Ganges.

Recent - The Ministry of Environment, Forest and Climate Change has given permission to the Uttarakhand government to continue mining activities in the Gaula River in Nainital district.

2. ATLANTIC DECLARATION:

A new strategic pact between the United States and the United Kingdom.

To address the pressing global challenges.

Focus - to tackle the rising influence of China, the aggressive actions of Russia, and economic instability that threatens both nations.

3. DISTRICT GOOD GOVERNANCE INDEX:

It is a comprehensive assessment developed jointly by the Department of Administrative Reforms and Public Grievances and the Government of Arunachal Pradesh.

The first state in the northeast region to implement this initiative.

It has emerged as a significant tool in assessing and benchmarking governance at the district level in India.

4. MAIDEN MARITIME PARTNERSHIP:

Recent - 1st edition of India, France and UAE maritime partnership exercise.

Commenced in the Gulf of Oman.

5. AGNI PRIME MISSILE:

It is a two stage canisterised solid propellant ballistic missile with dual redundant navigation and guidance system.

It is the 6th missile in the Agni series of ballistic missile.

It is a surface to surface ballistic missile with a range capability between 1000-2000 km.

It is a nuclear launch capable medium range ballistic missile developed by DRDO.

Recent - DRDO has successfully tested the new generation nuclear capable ballistic missile Agni Prime from APJ Abdul Kalam island(Odisha).



DAILY DOSE

CURRENT AFFAIRS - 10/06/2023

1.GULABI MEENAKARI HANDICRAFT:

It is one of the rarest crafts in India that is practised in the lanes of Varanasi.

It is an art form from Persia and involves colouring the surface of metals by fusing different colours.

This art was brought to the city of varanasi by persian enamelists during the mughal era.

RECENT: UttarPradesh government has decided to gift GI-tagged. Gulabi meenakshi handicrafts to the visiting delegates from G20 Nations.

2.SAGAR SAMRIDDHI:

RECENT: Union Minister of Ports launched an online dredging monitoring system called sagar samriddhi.

Developed by National Technology Centre for Ports, waterways and coasts.

AIM: To tighten the monitoring regime for dredging contracts and also focus on monetising dredged material.

3.JF-22:

RECENT : China has finished constructing the world's most powerful largest and fastest wind tunnel JF-22.

It is owned by Institute of Mechanics, Chinese Academy of Science(IMCAS).

This is capable of simulating hypersonic flight conditions upto Mach 30.

4.KILAUEA VOLCANO:

It is the youngest and most active hawaiian shield volcano, located in big land of Hawai.

Shield volcano are type of volcano that tend to erupt basalt lava, a type of lava that is very fluid when erupted.

Although shield volcanoes are the largest volcanoes on earth, they do not form soaring mountains with conical peaks.

Eruption in shield volcanoes are only explosive if water somehow gets into the vent.

RECENT: Kilauea volcano has erupted recently.

5.SIRI FORT :

It was built by Alauddin khilji in 13 th century.

It is considered among one of the 8 cities of Delhi.

He also excavated a reservoir known as hauzkhaz.

He also constructed semi-circular gateway, known as Alai Darwaja, with horse shoe shaped arch.

RECENT: A tomb like structure was accidentally discovered.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS - 12/06/2023

1.TAURINE:

It is a naturally occurring sulfur-containing amino acid. It's particularly concentrated in your brain, eyes, heart, and muscles.

Sources: Taurine occurs naturally in foods with protein, such as meat or fish.

It is also used for obesity, athletic performance, fatigue, diabetes, and many other conditions.

RECENT: Study suggests that ageing mice, worms and monkeys can live longer or healthier lives when fed large amounts of taurine.

2.OPERATION AMANAT:

The Railway Protection Force(RPF) has taken a initiative to make it easier for the passengers to get back their lost luggage.

It helps to track lost belongings of passengers.

RPF is a security force of India entrusted with protecting railway passengers, passenger area and railway property of the Indian Railways.

It was established by the Railway Protection Force Act, 1957.

3.DIMETHY ETHER:

It is a synthetically produced alternative to diesel for use in specially designed compression ignition diesel engines.

It can be produced indigenously, and several countries, like Japan, USA, China, Sweden, Denmark, and Korea.

It is used extensively in the chemical industry and as an aerosol propellant.

RECENT: Researchers at IIT Kanpur developed a 100% DME-fuelled engine with a mechanical fuel injection system.

4.ANAK KRAKATAU VOLCANO:

This volcano island is located in Indonesia's Sunda Strait between the main Java and Sumatra islands.

Anak Krakatau, which means "child of Krakatau," is the offspring of the famous Krakatau.

The Sunda Strait is the strait between the Indonesian islands of Java and Sumatra.

It connects the Java Sea to the Indian Ocean.

RECENT: Indonesia's Anak Krakatau volcano has erupted, spewing ash as high as 3 kilometres into the air.

5.NEANDERTHALS:

Neanderthals are our closest extinct human relative.

Species: Homo neanderthalensis.

They lived throughout Europe and parts of Asia from about 400,000 until about 40,000 years ago.

RECENT: Scientific findings have revealed that Neanderthal genes compose 1 to 4 per cent of the genome of modern-day humans whose ancestors moved out of Africa.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS - 13/06/2023

1. UNITED NATION OFFICE ON DRUGS AND CRIME:

It is a global leader in the fight against illicit drugs and international crime, in addition to being responsible for implementing the United Nations lead programme on terrorism.

It was established in 1997 through a merger between the United Nations Drug Control Programme and the Centre for International Crime Prevention.

Headquarters - Vienna, Austria.

2. PALKHI FESTIVAL:

It is a 1000 year old tradition.

Started by some saints of Maharashtra and is still continued by their followers called Varkaris.

Varkaris - Hindu religious sect that workship Vithoba (or Vitthal), an incarnation of Krishna

It is an annual pilgrimage to Pandharpur - the seat of the Hindu god Vithoba in Maharashtra, in honour of the deity.

3. CHIKUNGUNYA:

It is a viral disease transmitted to humans through the bites of mosquitoes infected with the chikungunya virus.

It is most commonly transmitted by mosquitoes, *Aedes (Stegomyia) aegypti* and *Aedes (Stegomyia) albopictus*, which can also transmit dengue and Zika viruses.

It was first described during an outbreak in southern Tanzania in 1952.

There is currently no approved vaccine or specific treatment for chikungunya virus infections.

4. GLOBAL SLAVERY INDEX 2023:

5th edition - presents a global picture of modern slavery.

It is constructed by Walk Free, a human rights organisation.

Based on data provided by the Global Estimates of Modern Slavery, which, in turn, is produced by the ILO, Walk Free, and International Organization for Migration (IOM).

Maximum number of people living in modern slavery - India, China, North Korea, Pakistan, Russia Indonesia.

5. MAYON VOLCANO:

It is an active volcano in southeastern Luzon, Philippines.

Its name is derived from the local word for beautiful lady, daragang Mayon.

It is called the world's most perfect volcanic cone because of the symmetry of its shape.

It lies in the Pacific Ring of Fire region.

Recent - around 13,000 people have been evacuated from the northeast Philippines as the country's most famous volcano, Mayon, continued to ooze lava.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS - 14/06/2023

1. SANSHODHAK:

Recent - Sanshodhak, the 4th of four ships of survey vessels projects was launched at Kattupalli, Chennai.

It was developed by L and T for Indian Navy.

Sanshodhak means Researcher.

2. CHOLEDERM:

Recent - 1st indigenously developed tissue engineering scaffold form mammalian organ, an animal derived class D biomedical device has received approval from the Indian Drugs Controller.

Developed by Sree Chitra Tirunal Institute for Medical Science and Technology under Department of Science and Technology.

This medicine is named as Cholederm.

The main raw material is pig's gall bladder.

3. GREEN HYDROGEN FROM SEA WATER:

Recent - IIT Madras developed alkaline sea water electrolyzer to generate green hydrogen.

In which a carbon based material is used.

They used a cellulose based separator which is highly resistant to degradation.

4. STOCKHOLM INTERNATIONAL PEACE RESEARCH INSTITUTE:

Recent - SIPRI launched its annual assessment of state of armaments, disarmament and international security.

USA has largest number of deployed nuclear warheads followed by Russia, France and UK.

While Russia has highest total inventory of nuclear warheads followed by USA.

India, China, Pakistan, North Korea and Israel have no deployed nuclear warheads.

India has produced mainly plutonium.

5. ANJADIP:

Recent - it is the 3rd of eight ships of ASW Shallow Water Craft project was launched at Kattupalli, Chennai.

It was built by Garden Reach Shipbuilders and Engineers.

The ship has been named after Island of Anjadip, located off Karwar.

These Arnala class of ships will replace the in-service Abhay class Corvettes.

They are designed to undertake anti submarine operations.



DAILY DOSE

CURRENT AFFAIRS - 15/06/2023

1.ELECTROMAGNETIC FIELD (EMF) RADIATION:

This type of energy is non-ionizing and has very low levels of energy.

The EMF radiation emitted from mobile tower antennas and mobile handsets is in the form of RF or Electromagnetic energy.

RECENT: The Department of Telecommunications (DoT), Delhi LSA, organized a webinar focused on raising awareness about Electromagnetic Field (EMF) radiation.

It aimed to address misconceptions surrounding the potential harmful effects of EMF radiation from mobile towers.

2.EXECUTION ONLY PLATFORM:

It is a digital or online platform which facilitates transactions such as subscription, redemption and switch transactions in direct plans of schemes of mutual funds.

MUTUAL FUND:It is a pool of money managed by a professional Fund Manager.

RECENT: SEBI issued a circular, creating a new category of intermediaries called execution-only platforms.

As per the new SEBI's new guidelines, no entity would be allowed to operate as an EOP without obtaining registration from SEBI or the Association of Mutual Funds in India (AMFI).

3.GENDER SOCIAL NORMS INDEX 2023:

It quantifies biases against women, capturing people's attitudes toward women's roles.

It has four dimensions: Political, Educational, Economic and Physical Integrity.

RECENT : the United Nations Development Programme (UNDP) released the Gender Social Norms Index (GSNI) 2023.

4.OPEN MARKET SALE SCHEME:

The Food Corporation of India (FCI) sells surplus stocks of wheat and rice at pre-determined prices through e-auction in the open market.

The State Governments/ Union Territory are also allowed to participate in the e-auction, if they require wheat and rice outside the Targeted Public Distribution Scheme (TPDS) and Other Welfare Schemes (OWS).

RECENT : The Central Government discontinued the sale of rice and wheat from the central pool under the Open Market Sale Scheme (OMSS) to State governments.

5.MIZORAM PARACHUTE GECKO:

It is a newly discovered species of gliding geckos.

The Mizoram parachute gecko, or Gekko mizoramensis, is one of the 14 geckos known to take to the air.

GECKO: They are reptiles and are found on all continents except Antarctica.

RECENT: Scientists discovered a new species of gliding geckos in Mizoram, named Mizoram parachute gecko.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS - 16/06/2023

1. ENCELADUS:

Recent - NASA's Cassini Spacecraft has found phosphorus in water geysers of Enceladus.

Phosphorus is considered as the building block of DNA.

It is the 2nd nearest of major regular moons and the brightest of all moons of Saturn.

It is an icy moon, which harbour enormous ocean of liquid water beneath it's crust.

Earlier researches found the presence of concentration of Sodium, Potassium, Chlorine, and Carbonates containing compounds.

2. RIVER SONAI:

This river originates in Assam and is the only left bank tributary of the Barak river and joins it at Duaripar.

Barak Bhutan wildlife sanctuary is located between the Barak and the Sonai rivers.

Recent - the Border Forces of India and Bangladesh have agreed to construct a bailey bridge over the river Sonai.

3. JULLEY LADAKH:

Recent - Indian Navy is conducting an outreach programme to Ladakh.

Aim - to increase awareness about the service in the pristine state and to engage with youth and civil society.

4. JANJATIYA KHEL MAHOTSAV:

Recent - 1st ever Janjatiya Khel Mahotsav got concluded in Kalinga Institute of Social Science, Bhubaneswar.

The sports meet has garnered the participation of around 5000 tribal athletes from 26 states.

Odisha, emerged as the undisputed champion in the men's and women's division.

5. GABON's 1st AGRI SEZ PROJECT:

Recent - the union minister of education and skill development and entrepreneurship officially started the project.

The project will be implemented by AOM group with Centurion University as the technical and knowledge partner.



DAILY DOSE

CURRENT AFFAIRS - 17/06/2023

1. DUGDH SANAKALAN SATHI MOBILE APP:

Developed by Rajasthan Electronics & Instruments Limited (REIL), under the Ministry of Heavy Industries.

Aim - to transform the Indian dairy sector by streamlining operations, improving transparency, and enhancing milk quality.

Objective - to tackle key challenges in the milk collection process.

2. PRIME MINISTER'S MUSEUM AND LIBRARY SOCIETY:

Recent - The Nehru Memorial Museum and Library Society, a prestigious institution in India - to change its name to Prime Ministers' Museum and Library Society.

It acknowledges the contributions of all the leaders who have guided the nation and democratizes the institutional memory, ensuring each prime minister's significant role is recognized.

3. VAIBHAV FELLOWSHIP PROGRAMME:

The Government of India has launched the initiative under ministry of science and technology.

Aim - to harness the expertise of scientists and technologists of Indian origin residing abroad and promote collaborative research in frontier areas of Science and Technology.

4. ALLIGATOR GAR FISH:

It is a close relative of the bowfin species.

It is a ray-finned euryhaline fish and is one of the biggest freshwater fish in North America and the largest species in the 'gar' family.

This garfish grows rapidly and has a life span of 20-30 years.

They can even sustain in the cold waters they mostly live in is 11-23 degrees Celsius.

Normally found in northern and central America and also in Mexico.

Recent - Jammu and Kashmir Lake Conservation and Management Authority (LCMA) during the routine de-weeding process caught a non-native alligator garfish in Dal Lake.

5. INTERNATIONAL NORTH SOUTH TRANSPORT CORRIDOR:

It is a multi-modal transportation route linking the Indian Ocean and the Persian Gulf to the Caspian Sea via Iran and onward to northern Europe via St. Petersburg in Russia.

Aim - to reduce carriage costs and transit time between India and Russia.

The transit time is expected to reduce to almost half, once the corridor becomes fully functional.

Recent - Russia has promised to eliminate legal and logistical hurdles preventing the INSTC from becoming the main transport route of Eurasia in the future.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS - 19/06/2023

1. ARTEMIS ACCORD:

Recent - NASA said the India needs to be a part of Artemis team, which brings like minded countries together on civil space exploration.

These are a non binding set of principles designed to guide civil space exploration.

NASA has established this accord in 2020 with 7 other founding member nations.

As of now, 25 countries are signatory to the accord. But India is not a signatory.

2. GEMINID METEOR SHOWER:

Recent - Parker solar probe reveals mysterious origin of Geminid Meteor shower on earth.

They are created by tiny bits of Rocky debris shed from a small asteroid named 3200 Phaethon, which was discovered in 1983.

Phaethon is small, only about 3 miles across and it loops around the sun every 1.4 years an orbit.

3. GOI UNSDC FRAMEWORK:

Recent - NITI Aayog and United Nations in India signed the GOI - UN Sustainable Development Cooperation Framework 2023-2027.

Aim - SDG, promoting gender equality, women empowerment and human rights.

4 strategic pillars - people, prosperity, planet and participation.

4. SOLAR ULTRAVIOLET IMAGING TELESCOPE:

Recent - the SUIT, a unique telescope developed by Pune's Inter University Center for Astronomy and Astrophysics(IUCAA) has been delivered to ISRO.

It will provide full disk images of the sun in 2000 to 4000 Angstrom wavelength range which has never been obtained.

It will record images in this wavelength crucial for maintaining the ozone and oxygen content in the earth's atmosphere.

It will help in measurement of solar radiation from hard x ray to infrared, as well as in situ measurement of particles in the solar wind, including the sun's magnetic field at the L1 point.

5. INDIA'S BIGGEST NATURAL ARCH:

Recent - a team of geological survey of India recently found India's biggest natural arch in Sundargarh district of Odisha.

This arch is present in the ferruginous sandstone of the upper kamthi formation, dates back to about 184-160 million years in the lower to middle Jurassic age.

The other two natural arch are one in Tirumala and another at Andaman and Nicobar.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS - 20/06/2023

1.GIRA WATERFALL:

It is a seasonal waterfall in the Western Ghats of India.

It is located near the Waghai village in the Dang district of Gujarat.

It is a 75 ft fall that emerges from the Kapri Tributary and drops into the Ambika River.

AMBIKA RIVER: It is a major westward flowing river that has a huge catchment area in two states, namely Gujarat and Maharashtra.

Origin: The river has its origins in the Saputara Hills, near Kotambi Village in the Nasik district of Maharashtra.

2.AL-HAKIM MOSQUE:

RECENT: Indian PM will visit the 11th Century Al-Hakim mosque, restored with the help of the Dawoodi Bohra community,

It is a historical mosque located in Cairo, Egypt.

It is named after Al-Hakim bi-Amr Allah (985–1021 AD), the sixth Fatimid caliph.

The mosque was inscribed as a UNESCO World Heritage Site in 1979.

DAWOODI BOHRA COMMUNITY: It is a sect within Shia Islam known for trading and business acumen.

3.NATIONAL INTERNET EXCHANGE OF INDIA (NIXI) :

It was established in 2003 as a not-for-profit organization under the Companies Act 2013.

It is tasked to increase Internet penetration and adoption in India by facilitating the various infrastructure.

FOUR SERVICES: Setting IXPs, .IN Registry, Indian Registry for Internet Names and Numbers, Data Centre services.

RECENT: The National Internet Exchange of India (NIXI) celebrated its 20th Foundation Day.

4.Y CHROMOSOME:

CHROMOSOME: It is a thread-like structure located inside the nucleus of animal and plant cells.

Each chromosome is made of protein and a single molecule of deoxyribonucleic acid (DNA).

The Y chromosome known as the “master of maleness,” determines the biological male sex and carries genes that play a role in sex determination.

RECENT: Researchers have discovered that the Y chromosome possesses genes linked to ageing and lifespan regulation.

5.INS KIRPAN:

It is an indigenously-built in-service missile.

It is a Khukri class missile corvette commissioned into the Navy on January 12, 1991.

The Khukri class are equipped with Diesel Engines assembled in India.

OPERATIONS:Coastal and offshore patrol, coastal security, surface warfare, anti-piracy, and Humanitarian Assistance and Disaster Relief (HADR) operations.

RECENT: India gifted the Corvette INS Kirpan to Vietnam to enhance that country's naval capabilities.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS - 21/06/2023

1. GONKOKEN NANOI:

This dinosaur species roamed the Earth approximately 72 million years ago during the Cretaceous period.

It belongs to the ancestral lineage of hadrosaurs, a type of duck-billed dinosaur that was commonly found in North America, Asia, and Europe.

Recent - Remains of a previously unknown species of herbivorous dinosaur have been unearthed in the Chilean Patagonia.

Significance - sheds light on the fascinating history of these ancient creatures and their adaptations.

2. ASIA PACIFIC PLANT PROTECTION COMMISSION:

It is an intergovernmental organization that promotes cooperation among countries in the Asia-Pacific region to enhance plant health and plant protection.

It was established in 1956 as a regional body approved by the FAO of the United Nations.

It consists of 25 member countries, including India.

Recent - unanimously elected India as chair of the Standing Committee on Integrated Pest Management for 2023-24 during the 32nd Session held in Bangkok.

3. GEMCOVAC - OM VACCINE:

Recent - India's first indigenous mRNA vaccine for the Omicron variant, was approved under emergency use guidelines by the DCGI.

It was developed by Gennova Biopharmaceuticals Ltd.

Supported under the Mission COVID Suraksha, implemented by Biotechnology Industry Research Assistance Council.

BIRAC - not-for-profit, Public Sector Enterprise, set up by the Department of Biotechnology.

4. GANGOTRI NATIONAL PARK:

Located in the Uttarkashi District region of the state of Uttarakhand.

It sits along the upper catchment of the Bhagirathi River.

The northeastern section of the park forms the international boundary of India and Tibet(China).

5. INTERNATIONAL YOGA DAY:

It is a global observance that is celebrated annually on June 21.

First proposed by Prime Minister of India in his address to the United Nations General Assembly in 2014.

The first International Yoga Day was celebrated in 2015.

This year's theme - 'Yoga For Vasudhaiva Kutumbakam' which represents our shared desire for “One Earth, One Family, One Future.”

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS - 22/06/2023

1.INDUS X:

India-United States Defence Acceleration Ecosystem (INDUS X) was launched at an event in Washington DC, USA.

INDUS X factsheet released for operationalising the 'Defence Innovation Bridge' under Initiative on Critical and Emerging Technologies (iCET).

2.INDIA-MYANMAR-THAILAND HIGHWAY:

TRILATERAL

It serves as a four-lane road network connecting Moreh in India to Mae Sot in Thailand, passing through Myanmar.

It is established under the Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC).

AIM: To significantly boost regional connectivity and cooperation.

BIMSTEC: It was established in 1997.

MEMBER COUNTRIES: Bangladesh, Bhutan, India, Myanmar, Nepal, Sri Lanka, and Thailand.

3.MQ-9B PREDATOR DRONES:

These drones are known for their advanced capabilities in terms of endurance, surveillance, and strike capabilities.

The MQ-9B Predator drones come in two variants – SkyGuardian and SeaGuardian.

RECENT: PM visited the United States, India is set to acquire 30 MQ-9B Predator (“Reaper”) drones from General Atomics.

4.ABADHA SCHEME:

The ABADHA (Augmentation Basic Amenities and Development of Heritage and Architecture) scheme encompasses various ambitious projects aimed at transforming Puri’s landscape.

For cultural preservation, the Odisha Cabinet recommended the inclusion of the Saora language in the Constitution.

RECENT: The Odisha Cabinet approved a remarkable ₹1,000 crore increase in the total cost outlay for the ABADHA scheme.

5.BEKI RIVER:

It originates in Bhutan, and it is one of the right bank tributaries of the Brahmaputra river.

This is also known as the Kurisu river in Bhutan.

A large portion of the river flows in the state of Assam and ultimately mix with Bay of Bengal.

It flows through the Manas National Park.

RECENT: The water level of the Beki River is flowing above the danger level mark at several places across Assam.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS - 23/06/2023

1. PAPER BASED SUPERCAPACITOR:

Made by Scientists at Gujarat Energy Research and Management Institute (GERMI).

The researchers utilized seaweed, a marine macroalgae, to create the paper-based supercapacitor.

Significance - thinnest, lightweight, and biodegradable.

Supercapacitors are known for their fast charging/discharging cycle, high power density, and longer lifecycle.

2. CREDO PROJECT:

The Institute of Nuclear Physics of the Polish Academy of Sciences (IFJ PAN) initiated the Cosmic Ray Extremely Distributed Observatory project in 2016.

This international project provides a virtual cosmic ray observatory accessible to all.

The primary source of cosmic radiation is mainly from the Sun and deep space.

Recent - Scientists from the IFJ PAN in Krakow, Poland, have made a significant discovery regarding the

correlation between earthquakes and changes in cosmic radiation intensity.

3. NEW GLOBAL FINANCIAL PACT:

Recent - France is hosting the summit this year.

The primary purpose - to initiate a collective effort to reconsider the global financial architecture.

4. IS 18267:2023:

The Bureau of Indian Standards has introduced a significant standard for food serving utensils made from agri by-products.

Aim - to reduce plastic pollution, promote sustainability, and bring numerous benefits to various stakeholders.

5. GRIEVANCE REDRESSAL ASSESSMENT AND INDEX 2022:

It was conceptualised and designed by the Department of Administrative Reforms and Public Grievances.

Eighty-nine Central Ministries and Departments were assessed and ranked.

Dimensions - Efficiency, Feedback, Domain and Organisational Commitment and corresponding 12 indicators.

To compute the index, data between January and December 2022 was used from the Centralised Public Grievance Redressal and Management System.



DAILY DOSE

CURRENT AFFAIRS - 24/06/2023

1. DHRUV:

Recent - India's Defence Minister inaugurated the Integrated Simulator Complex Dhruv at the Southern Naval Command in Kochi.

This indigenously developed Dhruv will provide real time experience in navigation, fleet operations and naval tactics, greatly enhancing the training process.

Multi Station Handling Simulator, Air Direction and Helicopter Control Simulator and Astronavigation Dome are some simulators showcased.

2. CHIRAL BOSE LIQUID STATE:

Recent - Physicists have discovered a new phase of matter called Chiral Bose Liquid State.

It was discovered when an engineered quantum machine called frustrated machine which bilayers was brought under the influence of a strong external magnetic field.

When quantum matter in this state is cooled down to absolute zero(-273.15°C), all electrons present freezes in a very predictable way.

There is a uniformity noticed between all the particles of the state when distributed by an external influence.

3. AMBUBACHI MELA:

Recent - it is a 4 day annual fair, begun at Kamakhya temple located atop the Nilachal hills in Guwahati, Assam.

It is celebrated to mark the annual mensuration of goddess Kamakhya(reigning deity).

It also marks as an occasion to promote awareness about mensurational hygiene.

Kamakhya temple is one of the 52 Shakti peeths.

It is considered as one for the prime seats of tantric rituals.

4. NANO UREA:

Recent - Indian Farmers Fertilizers Cooperative Limited has started exporting world's 1st nano urea invented and manufactured indigenously in India to US.

It contains Nitrogen, in form of granules at the size of about 20-50 nm and more surface area and the no of particles(55,000 nitrogen particles over 1 mm urea pill).

It contains 4.0% total nitrogen.

5. MANIPULATING PHONONS:

Phonons are packets of vibrational energy and can be considered as the quantum equivalent of sound.

Similar to photons, which are packets of light energy, phonons can potentially serve as units of information in quantum computing.

Recent - Researchers from IBM have developed an Acoustic Beam Splitter to manipulate phonons for quantum computing.

Beam splitters, commonly used in optics research, split a beam of light into two parts. The working of beam splitters draws on quantum physics.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS - 26/06/2023

1. ORDER OF THE NILE AWARD:

It is Egypt's highest state honour.

Instituted in 1915, the 'Order of the Nile' is conferred upon Heads of state, Crown Princes, and Vice-Presidents who offer Egypt or humanity invaluable services.

Recent - the Egyptian President conferred the country's highest state honour to the Prime Minister of India.

2. HASARIUS MUMBAI:

The word 'Hasarius' refers to a genus that ranks the species of 'jumping spiders' in the 'salticidae' family.

It is a newly discovered species of jumping spider.

It has multiple eyes that give a 360-degree view of its surroundings and a bulbous body covered in hair.

Recent - it was discovered from the rocks close to the streams at the Bombay Natural History Society's (BNHS) conservation education centre in Goregaon East.

3. LIBERALISED REMITTANCE SCHEME:

It allows Indian residents to freely remit up to USD \$250,000 per financial year for current or capital account transactions or a combination of both.

Any remittance exceeding this limit requires prior permission from the RBI.

The scheme was introduced by RBI on February 4, 2004.

Recent - Twenty per cent tax on Liberalised Remittances Scheme (LRS) of the Reserve Bank of India is set to kick off soon.

4. SKIN BANK:

Recent - North India's first skin bank was inaugurated in Delhi's Safdarjung Hospital.

A skin bank is a place where cadaveric skin is processed and preserved under optimal conditions.

Skin can be donated after Death within 6 hours from the time of Death.

Anyone can Donate Skin irrespective of sex & blood group.

The minimum age of the donor should be 18 years and there is no upper age limit.

The country has 16 skin banks - Maharashtra(7), Chennai(4), Karnataka(3), Madhya Pradesh(1) and Odisha(1).

5. SOLAR MEAN MAGNETIC FIELD:

It is the mean value of the line-of-sight (LOS) component of the solar vector magnetic field averaged over the

visible hemisphere as well as its relationship with Interplanetary Magnetic Field (IMF).

Recent - scientists from the Indian Institute of Astrophysics have given a clearer picture of how the sun's magnetic field influences the interplanetary magnetic space through their latest study.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS - 27/06/2023

1.ANUSANDHAAN CHINTAN SHIVIR:

Defence Research and Development Organisation (DRDO) organised an 'Anusandhaan Chintan Shivir' in New Delhi.

AIM: To encourage Defence R&D within the industry and academia.

A list of 75 technology priority areas were released on the occasion.

2.WATERMELON SNOW:

Watermelon snow is a captivating natural phenomenon observed in snowy mountainous regions, including Utah.

The snow takes on a red and pink hue.

This unique occurrence has been attributed to a specific type of algae.

The captivating hue of watermelon snow is a result of a green algae bloom known as *Chlamydomonas nivalis*.

3.GREENWASHING:

It is the process of conveying a false impression or misleading information about how a company's products are environmentally sound.

It involves making an unsubstantiated claim to deceive consumers into believing that a company's products are environmentally friendly.

RECENT: The International Sustainability Standards Board (ISSB) recently released a new set of G20-backed global rules aimed at helping regulators crack down on greenwashing.

ISSB: It is to develop a worldwide standard for sustainability reporting.

4.NANDI PORTAL:

It is developed by the Department of Animal Husbandry and Dairying (DAHD) in collaboration with the Central Drugs Standard Control Organization (CDSCO) through the Centre for Development of Advanced Computing (CDAC).

It will streamline the regulatory approval process for veterinary products.

It will be more streamlined through seamless integration with the SUGAM portal of the Central Drugs Standard Control Organization.

5.WHITEFLY:

These are winged insects that have soft bodies and are closely related to aphids.

These are tiny, sap-sucking insects that may become abundant in vegetable and ornamental plantings, especially during warm weather.

It mainly infests coconut palms and other broad-leaved hosts in its native range

It is an invasive insect.

RECENT: The Rugose Spiralling Whitefly, which attacks palms, coconuts, and bananas, has been spotted in Pune city.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS - 28/06/2023

1.BANKING OF WORLD HERITAGE:

RECENT: Indira Gandhi National Centre for the arts is organising an exhibition to showcase a 1st of its kind exhibition, Banking of the world Heritage.

The exhibition will display banknotes depicting world Heritage Sites listed by UNESCO.

THEME: Vasudhaiva Kutumbakam or one earth one family one future.

2.REPORT FISH DISEASE APP:

RECENT: Ministry of fisheries will launch the report fish disease app (RFD) app.

It was developed by ICAR-NBFGR under the National Surveillance Programme Aquatic Animal Disease (NSPAAD).

This app will help the farmers in reporting incidence of disease in fish, shrimps and molluscs on their farms with the fish level officers and fish health experts.

3.CELLULAR AGRICULTURE:

Cellular agriculture is the process by which animal based products are directly produced from cell cultures rather than from animals.

In 2020,Singapore become the 1st country to approve the sale of cell-cultivated meat.

It comprises two different approaches:

Cell cultivation (cellular) and precision fermentation (acellular) -contain no cellular or living material in the final product like milk.

RECENT: US Grants approval to make and sell cell cultured chicken.

4.WHITE-RUMPED VULTURE:

RECENT: To revive vulture population in the state of MP, 20 white rumped vulturea were recently brought to vulture conservation centre in kerwa from Pinjore(Haryana).

It is medium sized old world vulture.

Distribution-Pakistan,India, Bangladesh, Nepal, Bhutan, Myanmar, Thailand, Laos, Cambodia and southern Vietnam.

IUCN STATUS:Critically endangered.

Wildlife protection Act 1972-Schedule 1.

5.UTPRERAK:

RECENT: Ministry of power established a dedicated centre of excellence to accelerate industry adoption of clean technologies.

UTPRERAK- Unnat Takriki Pradarshan Kendra.

It will also serve as a strategic capacity building institution and seek to be a one stop solution provides for energy professionals from across India for training and education in energy efficiency.

PRABHA IAS ACADEMY



DAILY DOSE

CURRENT AFFAIRS - 29/06/2023

1.NATIONAL RESEARCH FOUNDATION BILL 2023:

AIM:To seed, grow, and promote R&D activities in universities, colleges, research institutions, and R&D laboratories throughout the country.

The Department of Science and Technology (DST) will serve as the administrative department.

The NRF will foster partnerships and cooperation between industry, academia, government departments, and research institutions.

RECENT: The Union Cabinet's approved the National Research Foundation (NRF) Bill, 2023.

2.LANCET DRONE:

It is a high-precision kamikaze drone operated by the Russian Army to strike remote ground and sea targets.

They are recognisable by their distinct X-shaped wings.

It has been designed to provide real-time video and imagery to the control station.

It incorporates artificial intelligence visual identification (AIVI) technology for real-time recognition and classification of targets.

RECENT: The drone has been an increasing threat on Ukraine's frontlines.

3.CRITICAL MINERALS:

It is a metallic or non-metallic element that has two characteristics.

APPLICATION: to manufacture advanced technologies- mobile phones, used in low-emission technologies, crucial for common products, such as stainless steel and electronics.

Top Producers: Chile, Indonesia, Congo, China, Australia and South Africa.

EXAMPLES:Antimony, beryllium, bismuth, cobalt, copper, gallium, germanium, lithium, vanadium etc.

RECENT: An expert committee set up by the Central Government identified 30 minerals as critical to India, including lithium and vanadium.

4.GLOBAL ENVIRONMENT FACILITY:

It was established on the 1992 Rio Earth Summit of UNFCCC to help tackle our planet's most pressing environmental problems.

It is a family of funds dedicated to confronting biodiversity loss, climate change, pollution, and strains on land and ocean health.

It has 184 member countries, including India.

RECENT: At the 64th Global Environment Facility (GEF) council meeting in Brazil, it approved the \$1.4 billion to tackle the climate, biodiversity and pollution crises.

5.ZERO FIR:

It refers to an FIR that is registered irrespective of the area where the offence is committed.

The police, in such a case, can no longer claim that they have no jurisdiction.

It was introduced on the recommendation of the Justice Verma Committee.

FIR: It is the information given to a police officer in writing as per the provisions of Section 154 of the Code of Criminal Procedure (CrPC).

RECENT: In Manipur violence incidents, nearly 30% of First Information Reports (FIRs) were 'zero FIRs', filed suo-motu by the police, irrespective of jurisdiction.



DAILY DOSE

CURRENT AFFAIRS - 30/06/2023

1. TARANG SHAKTI:

Multilateral exercise organised by Indian Air Force.

This exercise aims to enhance military cooperation and collaboration with air forces from 12 nations.

It is projected to be the largest air exercise ever conducted in India, involving the participation of various countries and their military assets.

2. MEIRA PAIBIS:

Also known as the “women torch bearers” or “Mothers of Manipur,” hold great significance in the state of Manipur.

Formed in 1977 focused on fighting alcoholism and drug abuse in the state.

Aim - to address the pressing social issues related to substance abuse and create awareness about the harmful effects of addiction.

3. AMERICAN BALD EAGLE:

Recent - once on the brink of extinction, has made a remarkable recovery over the years.

The existence of the bald eagle was threatened by multiple factors, including hunting and habitat destruction.

In response to the alarming decline, the Bald and Golden Eagle Protection Act was enacted in 1940, expanding protections for these majestic birds.

4. HASTINAPUR WILDLIFE SANCTUARY:

It is located in the state of Uttar Pradesh.

It lies alongside the northern tip of the River Ganga, flowing thru the districts of Muzaffarnagar and Bijnor.

It has a variety of landforms and is a mixture of different habitats such as wetlands, marshes, dry sand beds and gently sloping ravines.

Recent - a greater Racket-Tailed Drongo bird was found in the Hastinapur Wildlife Sanctuary, which is known for its loud musical whistling sound.

Greater racket-tailed drongo IUCN Status - Least Concern.

5. ASPARTAME:

It is the world's most commonly used low-calorie artificial sweetener, which is approximately 200 times sweeter than sucrose (common sugar)

It was discovered by James M. Schlatter, a chemist, in 1965 and was introduced to replace sucrose.

It is made up of two amino acids: aspartic acid and phenylalanine, which are naturally occurring amino acids in many protein-rich foods.

Recent - This is found in many soft drinks, is set to be declared carcinogenic by the WHO cancer research unit.

PRABHA IAS ACADEMY