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Important News: International

75th anniversary of India-Egypt diplomatic relations

Why in News:

- A postage stamp has been issued by Egypt to commemorate the 75th anniversary of diplomatic relations with India.



key points:

- India's independence was recognized by Egypt on 18 August 1947, three days after its independence, which marked the beginning of diplomatic relations between India and Egypt.
- Relations between the two countries deepened in the 1950s, resulting in a historic friendship treaty in 1955.
- Egypt is one of the largest investment destinations for India in the region with a current Indian investment of USD 3.15 billion.
- India-Egypt bilateral trade stood at a historic record high of US\$ 7.26 billion in FY 2021-22, an increase of 75% from FY 2020-21.
- Currently, under the 5th India-Egypt Joint Business Council meeting, the annual bilateral trade target of USD 12 billion over 5 years has been set by both sides.
- The bilateral military exercise Desert Warrior is also organized jointly by India and Egypt.
- The exercise, organized by India and Egypt, is organized to enhance mutual understanding between the Indian Air Force and the Egyptian Air Force.

Source: Navbharat Times

'Ulchi Freedom Shield' military exercise

Why in News:

- The largest joint military drill between South Korea and the United States in years has begun with the restart of field training.



Key Points:

- The annual summer exercise's name has been changed to "Ulchi Freedom Shield" this year, and it will continue through September 1, 2022.
- For the first time since the coronavirus outbreak, South Korea has begun a four-day Ulchi civil defense exercise that is specially intended to improve government preparation.
- With the aid of these civil and military exercises, the government seeks to increase the nation's readiness to accommodate the evolving nature of warfare.
- After South Korea and the US started the exercise's preliminary training, North Korea launched two missiles off its west coast.
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- The Allies will conduct a total of 11 regional training programs, including one at the brigade level that will be attended by thousands of soldiers, according to the Seoul Ministry of Defense.

Source: Indian Express

Important News: National

HPCL launches its first dung-based compressed biogas project

Why in News:

- The first compressed biogas project based on dung has been started by HPCL.



Key Points:

- In this HPCL project, biogas, which can be used as fuel for vehicles, will be produced using 100 tons of cow manure per day.
- The framework for the HPCL Compressed Biogas Project Initiative was the GOBAR-Dhan plan, which was unveiled by the Indian government in April 2018 as a part of the Swachh Bharat Mission (Gramin) Biodegradable Waste Management component.
- With the help of livestock and organic waste, the HPCL Compressed Biogas Project scheme hopes to enhance sanitation while producing money and energy.
- The foundation stone laying ceremony for this project run by HPCL was organized by Shree Godham Mahatirth Pathmeda Lok Punyarth Trust, located in the Rajasthani village of Pathmeda in the Tehsil of Sanchore and District of Jalore.
- Agricultural waste, manure, municipal trash, plant material, sewage, green waste, and food waste are all examples of natural materials that can be used to make biogas.
- Methane, carbon dioxide, and hydrogen sulfide are the three major gases found in biogas.
- Methane (CH₄), a gas found in natural gas, and carbon dioxide make up the majority of biogas, which is a renewable energy source (CO₂).

Source: Indian Express

Important News: State

UP government to build India's first education township

Why in News:

- The Uttar Pradesh government is planning to build an education township in the state.



key points:

- According to the Uttar Pradesh government, the education township will be developed on the idea of 'Single Entry, Multiple Exit'.
- Education township aims at providing high-quality education to the youth as well as equipping them with a variety of professional skills in one place.
- Under the Education Township, accommodation for both students and teachers will be provided along with many other facilities.
- Built on the idea of 'Single Entry, Multiple Exit', the focus of this township will be on high-end education, covering students from India as well as Africa, Latin American, and Central Asian countries.
- In the township, prestigious government and private universities of the country and the world will be able to open their campuses.
- Skill development universities have also been included in the education township, where training will be provided to the youth in different types of skills.
- Along with this, many other coaching institutes like Abhyudaya will also be started in these education cities so that more and more students can be successful in competitive examinations like NEET, IIT, Union Public Service Commission, etc. to be held in the country and the state.
- With the introduction of the 'Single Entry, Multiple Exit' system in the state, students can also avail affordable education loans.

Source: Times of India

Amrita Hospital in Faridabad, Haryana

Why in News:

- The 2,600-bed Amrita Hospital has been inaugurated by Prime Minister Narendra Modi in Faridabad, Haryana.



key points:

- Amrita Hospital, with 2,600 beds, is Asia's largest hospital with state-of-the-art technology, which also houses a centrally located, fully automated laboratory.
- The state-of-the-art Amrita Hospital was built over the course of six years on a sprawling 130-acre campus with sustainability in mind.

- Amrita Hospital has a dedicated seven-story research building which was sponsored by Mata Amritanandamayi Math.
- The new super-specialty Amrita Hospital started operations with 500 beds and is expected to reach full capacity during the next five years.
- A medical college will be located on the premises of the new Mega Amrita Hospital in Sector 88, Faridabad, which has a built-up size of 10 million square feet.
- The hospital has hi-tech, fully automated central laboratories as well as wards and OPDs which are patient-centric.

Source: Economic Times

Chhattisgarh government to set up 300 rural industrial parks in the state

Why in News:

- The Chhattisgarh government has announced to set up 300 rural industrial parks in the state.



key points:

- The Rural Industrial Park project aims to strengthen the rural economy and make "Gauthan" (cattle shed) a livelihood hub.
- The Rural Industrial Park project will be launched in the state on October 2 on the occasion of Gandhi Jayanti.
- Under this project, the first such park in the state will be set up at Kulgaon in the Kanker district, which has been named Gandhi Gram.
- A residential training center has been started by the forest department on the basis of the value addition of minor forest produce.
- For the purpose of making vermicompost, cow dung is being procured by the state government at the rate of Rs.2 per kg.
- Infrastructure is also being developed under this project by the state government, such as interlocking, cement/concrete roads, dormitories, residential rooms, kitchen halls, sheds for women's self-help groups, and underground irrigation pipelines.
- The government plans to use District Mineral Foundation (DMF) funds for this project.

Source: Economic Times



Important News: Science & Tech

Images of Jupiter in the James Webb Space Telescope

Why in News:

- For the first time, clear pictures of the planet Jupiter have been captured by the James Webb Space Telescope (JWST).



key points:

- Images of Jupiter's stormy Great Red Spot, Ring, Aurora, and Aurora at the North and South Poles were not clearly visible in any of the photos taken yet.
- The image format obtained from the James Webb Space Telescope was infrared, in which infrared images were artificially tinted blue, white, green, yellow, and orange.
- The James Webb Space Telescope is a large infrared telescope designed to study every phase of the history of the universe.
- The James Webb Space Telescope is designed to be able to look into the past such as the first galaxies formed through their long wavelengths in the early universe.
- The James Webb Space Telescope is yet to travel about 1.5 million kilometers from Earth.
- The James Webb Space Telescope was launched from French Guiana in South America on an Ariane 5 ECA rocket.

Source: The Hindu

Important News: Defence

Successfully Flight-Test India VL-SRSAM at Chandipur

Why in News:

- Defense Research and Development Organization (DRDO) has conducted successful flight tests of the Vertical Launched Short-Range Surface to Air Missile (VL-SRSAM) for the Indian Navy and naval warships.



Key Points:

- Off the coast of Chandipur, in the state of Odisha, the VL-SRSAM flight test was conducted.
- To show the Indian Navy ship's capacity to launch vertically, it was successfully piloted against a fast unmanned aerial target.
- Sea-skimming targets are among the many airborne threats that the VL-SRSAM is designed and developed to defeat at close range.
- Flight data will be used to track the test launch of VL-SRSAM, including the flight route and vehicle performance statistics.
- Several ranges of equipment, including the radar, Electro-Optical Tracking System (EOTS), and Telemetry System placed by ITR, Chandipur, recorded the flight data during the test launch.
- The VL-SRSAM is built to strike high-speed air targets at a height of roughly 15 km and at distances between 40 and 50 km.
- The Astra missile, an air-to-air missile with a range beyond visual range, served as the inspiration for the weapon's design.
- The VL-thrust SRSAM's vectoring system will be crucial in improving its engine's capacity to alter thrust direction to regulate the missile's angular velocity and altitude.
- The VL-SRSAM is a canister system, allowing it to be stored and used from compartments that have been specifically created for that purpose.

Source: The Hindu