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National and International News

Gaganyaan test flight successful



Context

The Indian Space Research Organisation (ISRO) has successfully completed its first test flight to demonstrate a crew escape system for the Gaganyaan mission

About Gaganyaan

- Gaganyaan project envisages demonstration of human spaceflight capability by launching a crew of 3 members to an orbit of 400 km for a 3 days mission and bring them back safely to earth. It is part of the Indian Human Spaceflight Programme (IHSP), which was initiated (in 2007) by the ISRO to develop the technology needed to launch crewed orbital spacecraft into low earth orbit (LEO). Launch Vehicle Mark-3 (LVM3/GSLV Mk3) rocket - is identified as the launch vehicle for Gaganyaan mission. India's heaviest rocket consists of solid stage, liquid stage and cryogenic stage. Upon its completion, India will become the fourth nation, after the US, Russia, and China, to undertake a manned spaceflight mission.

Project Udbhav



Context

An ambitious effort for the integration of India's "ancient strategic acumen" into the contemporary military domain was launched under Project Udbhav, by Defence Minister Rajnath Singh.

About Project

- The project's objective is to synthesise ancient wisdom with contemporary military practices and forging a unique and holistic approach to address modern security challenges Project Udbhav was launched at the first Indian Military Heritage Festival (IMHF) being organised by the USI. It is a collaboration between the Army and the United Service Institution of India (USI)

Dogra architecture

Context

Dogra architecture gets a revival at J&K's Maharaj Gunj

- Objective: To restore the historical splendor of the market, which has declined due to encroachments



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and deviations.

- **Significance:** To highlight the distinctive architectural features of the Dogra monarchs who ruled Kashmir between 1846 and 1947.
- **Scope:** The project will cover the market itself, as well as gurdwaras, mosques, temples, tombs, and ancient sanctuaries in the area.
- **Benefits:** The project is expected to draw attention to Srinagar's rich cultural past and boost tourism.

About Dogra Architecture:

- **Dogra architecture** is a unique style of architecture that developed in the **Jammu and Kashmir region of India** during the rule of the Dogra dynasty.
- It is a blend of various architectural styles, including **Rajput, Mughal, and European**.
- Dogra architecture is known for its ornate carvings, intricate designs, and use of local materials, such as **sandstone and marble**.
- The fine examples of jammu architects are **mubarak mandi, bahu fort, jasrota palace, billawar palace**, these all buildings were made by kings, the dogra rulers of jammu.
- These palaces have, "**mehraab**" **type of door and arch shaped terraces**, and with doomson the top, but Mubarak mandi domes are clear example of blend of shikhara and dome style.
- The **sand stones and pebbles**, which are found in bulk in Jammu kandi belt, are used very benevolently used for beatification.

Paintbrush swift butterfly



Context


The paintbrush swift has been photographed and documented for the first time in Himachal Pradesh's Chamba district.

About Butterfly

- It is a butterfly species of the **Hesperiidae family**.
- It was first described by **lepidopterist Frederic Moore** more than 145 years ago.
- It is identified based on two separated spots in the upper forewing cell.
- The species' larvae feed on bamboo and some other grass species.
- Habitat: Its habitat is distributed in **northeast, central and south India, and rare in Uttarakhand**.



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	<ul style="list-style-type: none"> • Threats: Habitat loss and scarcity of larval host plants are major causes of the decline in the butterfly population. An increase in pesticide use, deforestation, and climate change. • This species is legally protected in India under Schedule IV of the Wildlife (Protection) Act, 1972.
<p>Bharat Tex to prop India as global textiles powerhouse</p> 	<p>Context Bharat Tex 2024 Expo, to be held from February 26-29 next year, will position India as a truly global textiles powerhouse</p> <p>Key points</p> <ul style="list-style-type: none"> • The event has been conceptualized as the biggest textile fair in the world in terms of exhibition area. • It showcasts India's capabilities as a reliable supplier of textile products spanning the entire value chain under one roof. • The expo will be held in the newly-inaugurated Bharat Mandapam and Yashobhoomi Complexes.
<p>Ayodhya to be UP's 1st model solar city</p>	<p>Context The state is pouring heavy investment to develop the temple town as the first model solar city.</p> <p>About Saubhagya(Pradhan Mantri Sahaj Bijli Har Ghar Yojana) Scheme:</p> <ul style="list-style-type: none"> • It was launched in October, 2017 focusing on last mile connectivity and electricity connections to all the unelectrified households in the country. • It is a concurrent program to Deen Dayal Upadhyaya Gram Jyoti. • Objective of Scheme is to Provide last mile connectivity and electricity connection to all un-electrified households in rural areas.

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