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TN CA 23 MArch 2024

Martyrs' Day



Context:

- In India, **March 23rd** is commemorated as **Martyrs' Day**, also known as **Shaheed Diwas**.
- This day specifically honors the sacrifices of **three legendary freedom fighters: Bhagat Singh, Sukhdev Thapar, and Shivaram Rajguru**.

About:

- These **three revolutionaries** were hanged by the **British Raj** in **1931** for their role in resisting **British rule**.
- Martyrs' Day serves as a **day to remember all those who fought and died for India's freedom**.
- It's a time to express gratitude for their sacrifices and reflect on the importance of freedom.

Note:

- **January 30th** is also celebrated as Martyr's day.
- It commemorates the **assassination of Mahatma Gandhi**, the "**Father of the Nation**," in **1948**.

Chola-era pot fragment unearthed from Thennennai riverbed in Villupuram



Context:

- A team of researchers unearthed a **pot fragment inscribed with Tamil letters** from the **Thennennai riverbed near Villupuram, TN**.
- The fragment is believed to be from the **Chola era (roughly 9th to 13th centuries AD)**.
- It's the first time a **potsherd with Chola-style Tamil script has been found in Tamil Nadu**.
- While potsherds with older Tamil scripts (Brahmi and Vattezhuthu) have been unearthed previously, this fragment offers a **unique glimpse into everyday items used during the Chola period**.

ISRO's step towards realizing Indian space shuttle 'Pushpak'

Context:

- **ISRO** is inching closer to a **reusable launch vehicle, nicknamed "Pushpak"** after the mythical flying chariot.
- This ambition took a **significant step forward with the successful test landing of the RLV-LEX [Reusable Launch Vehicle - Technology Demonstrator]**.

The Test



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- Conducted at the **Aeronautical Test Range in Karnataka.**
- The winged **LEX-2** was **lifted by helicopter and released at 4.5 km altitude.**
- It **autonomously glided back, performing course corrections before landing precisely using a combination of braking systems.**

Significance

- This test **simulates the high-speed landing of a reusable spacecraft returning from space.**
- Reusable launch vehicles offer significant **cost savings** compared to expendable rockets.

World Down Syndrome Day



Context:

- **World Down Syndrome Day** is celebrated **annually on March 21st**
- It is a day to **raise awareness about Down syndrome and celebrate the contributions of people with Down syndrome.**
- The date, **3/21**, reflects the **triplication (trisomy) of the 21st chromosome that causes Down syndrome.**
- This day was **officially recognized by the United Nations in 2012.**

About:

- Down's syndrome is a **genetic disorder** caused when **abnormal cell division** results in **extra genetic material from chromosome 21 (trisomy 21).**
- This extra copy **changes how a baby's body and brain develop.**
- It can cause **both mental and physical challenges during their lifetime.**

Theme:

- This year's **theme is 'End The Stereotypes'.**

World Meteorological Day

Context:

- **World Meteorological Day** is celebrated on **March 23rd every year.**
- It marks the **anniversary of the establishment of the World Meteorological Organization (WMO) in 1950.**
- The day **highlights the importance of weather and climate information for society's safety and well-being.**

Theme:



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- This year's theme is "**At the Frontline of Climate Action.**"
- It **emphasizes the crucial role of weather observation, forecasting, and climate science** in understanding and addressing climate change.