



9 October 2023

International & National News

Israel 'at war' after Hamas attack



Context

Palestinian Islamist group Hamas launched the biggest surprise attack on Israel.

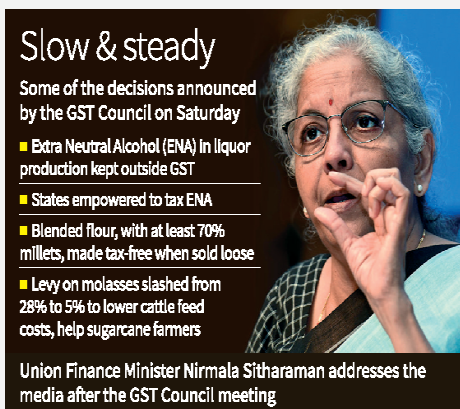
About Hamas

- Hamas is a **Palestinian Islamist political organization** and militant group that has waged war on Israel since the group's **1987 founding**.
- It **seeks to replace Israel** with a Palestinian state.
- It also **governs Gaza** independently of the Palestinian Authority.

Gaza Strip

- It is a **part of the Palestinian Authority** along with the **West Bank**.
- It is governed by **Hamas**, a militant, fundamentalist Islamic organization
- It borders **Egypt on the southwest, Israel on the east and north, Mediterranean on the west**.
- Gaza Strip is situated on the **northeast of the Sinai Peninsula**.

The GST Council cleared several pending issues.



Context

The GST council has cleared several pending issues in a recent meeting.

Decisions taken by the GST council

- **lowered the tax rates** on certain **millet-based** products.
- Make an amendment in the **age-related norms for members of the GST Appellate Tribunals**
- **Ceded the taxation rights** on extra-neutral alcohol to the **States**.

GST Council

- The **101st Amendment Act of 2016** (122nd Amendment Bill), paved the way for the implementation of GST.
- The GST Council is a joint forum of the Centre and the states under **Article 279-A** of the constitution.
- Article 279-A. gives the President the authority to appoint a GST Council by executive order.
- The members of the Council include the **Union Finance Minister (chairperson), and the Union Minister of State (Finance) from various states**.
- Article 279 **makes recommendations to the Union and the states** on important issues related to GST.
- It also decides on various **rate slabs** of GST.



ISRO plans Gaganyaan unmanned flight tests



Context

The ISRO, which is planning to commence unmanned flight tests for the Gaganyaan mission, has started to make preparations for the **Flight Test Vehicle Abort Mission-1 (TV-D1)**.

Gaganyaan Mission

- Gaganyaan project envisages the demonstration of **human spaceflight capability** by launching a crew of 3 members to an orbit of 400 km for a 3-day mission and bringing them back safely to earth.
- It is part of the **Indian Human Spaceflight Programme (IHSP)**, which was initiated (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 - the well-proven and reliable heavy lift launcher of ISRO, is identified as the launch vehicle for the Gaganyaan mission.
- **India's heaviest rocket** consists of a solid stage, liquid stage, and cryogenic stage.

Ganga-Ghagra basin canals pose a threat to dolphins: study



Context

A recent study has revealed that 19 Gangetic river **dolphins had been rescued from the irrigation canals of the Ganga-Ghagra basin** in Uttar Pradesh between 2013 and 2020.

Key facts

According to Shailendra Singh of the **Turtle Survival Alliance Foundation India**, one of the lead authors of the paper, the paper gives data for eight years but from 2013 to 2023, 28 dolphins had been rescued.

Gangetic Dolphin:

- Though the **species is not known to be gregarious i.e** they do not prefer to form a group they may prefer to live and/or hunt in the pod
- IUCN: Endangered
- Wildlife (Protection) Act: Schedule-I
- CITES: Appendix I

Turtle Survival Alliance Foundation India

- It is a non-profit organization
- established in 2016
- It works primarily in the domain of Energy & Environment.

LiDAR Technology


- LiDAR stands for **Light Detection and Ranging**
- It is a remote sensing method that **uses light in the form of a pulsed laser** to measure ranges (variable distances) to the Earth.



বাংলা



Daily Current Affairs Encyclopedia

	<ul style="list-style-type: none"> • These light pulses—combined with other data recorded by the airborne system — generate precise, three-dimensional information about the shape of the Earth and its surface characteristics. • There are three primary components of a LiDAR instrument — the scanner, laser, and GPS receiver. • Airplanes and helicopters are the most commonly used platforms for acquiring lidar data over broad areas.
<p>Carbon Dating</p>	<ul style="list-style-type: none"> • Carbon dating is a widely used method to establish the age of organic materials, things that were once living. • Living things have carbon in them in various forms. • The dating method is based on the fact that Carbon-14 (C-14) is radioactive, and decays at a well-known rate. • The ratio of C-12 to C-14 in the atmosphere is almost static and is known. • The Carbon Dating method cannot be used to determine the age of non-living things like rocks. • Also, the age of things that are more than 40,000-50,000 years old cannot be arrived at through carbon dating.
<p>ISRO performs trajectory correction for Aditya-L1</p> 	<p>Context ISRO has performed a trajectory correction maneuver on the Aditya-L1 spacecraft which is headed to the Lagrangian-1 (L1) point between the sun and Earth.</p> <p>Aditya-L1</p> <ul style="list-style-type: none"> • It is the first space-based Indian mission to study the sun from the Lagrangian point 1 (L1) of the sun-earth system which is roughly 1.5 million kilometers from Earth. • The project was initially proposed as Aditya-1, a 400 kg class satellite carrying a single payload, the Visible Emission Line Coronagraph (VELC). • It was however renamed 'Aditya-L1 mission' since the satellite was positioned in the hallowed orbit of the Sun-Earth system's Lagrangian point 1 (L1). • The mission will capture near-simultaneous photos of the many layers of the Sun's atmosphere, revealing how energy is routed and transported from one layer to the next.

Copyright © by Adda247

All rights are reserved. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior permission of Adda247.