



BENEVOLENT IAS ACADEMY

1626 – A, Sri Vinayaga Complex,
Hope College, Peelamedu (PO),
Coimbatore – 641 004.

Cell: +91-9787731607, 9787701067.

Web: www.benevolentacademy.com, E-Mail: benevolentacademy@gmail.com

TODAY'S IMPORTANT CURRENT AFFAIRS

UPSC PRELIMS

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TODAY'S DROPS OF NEWS:

<u>SUBJECT</u>	<u>IN NEWS</u>
POLITY	---
ECONOMY	---
GEOGRAPHY	Iranian parliament votes to close strait of Hormuz.
HISTORY AND ART & CULTURE	---
ENVIRONMENT	---
SCIENCE & TECH	India could achieve quantum communication using satellite by 2030, says IIT-Delhi Professor.
MISCELLANEOUS	Stealth frigate INS Tamal to be commissioned on July 1. Another flight from Iran brings 311 Indians to Delhi.

GEOGRAPHY

In news: Iranian parliament votes to close strait of Hormuz.

This is the strait that connects Indian ocean with the Persian gulf.

It is important to India for its energy security as a oil purchasing region of Iran.

Water body: Persian gulf - Gulf of Omen - Arabian sea (Indian Ocean).

SCIENCE & TECH:

In news: India could achieve quantum communication using satellite by 2030, says IIT-Delhi Professor.

Quantum communication represents a cutting-edge method of information transfer, fundamentally rooted in the principles of quantum mechanics. Utilising the phenomenon of quantum entanglement and superposition.

Quantum entanglement: When two particles, such as a pair of photons or electrons, become entangled, they remain connected even when separated by vast distances.

Quantum superposition: a fundamental concept in quantum mechanics where a quantum system, like an electron, can exist in multiple states simultaneously until measured.

Uses of Quantum communication:

- Security in military and government communication.
- Consumer privacy in e-commerce and other online portals and platforms.
- Allows easy and fast access of scientific data within countries.
- Increased accuracy in the navigation.
- Improves quantum cryptography.
- It is a step closer to the quantum teleportation.

MISCELLANEOUS:

In news: Stealth frigate INS Tamal to be commissioned on July 1.

Tamal : Multi-role frigate, Krivak - class and last foreign made of its kind.

Place : Western Navy fleet.

Built at : Yantar shipyard in Kaliningrad, Russia.

Features: Stealth frigate, improved arsenal than its predecessors, can carry BrahMos missile.

In news: Another flight from Iran brings 311 Indians to Delhi.

Operation Sindhu : special flight operation to evacuate Indians from Iran.

MENTOR

MR. V. GOKULA KRISHNAN

ACADEMIC ADVISOR

Mrs. D. Rajakali Thomas

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