

'5+1' Collegium

❖ Context

- During **Justice Chandrachud's two-year tenure**, the collegium he will head be an unusual collegium -instead of five members, **it will have six.**

❖ Key Highlights

- Justice D Y Chandrachud **will take over as the next CJI on November 9, 2022 as recommended by present CJI UU Lalit.**
- Appointing Chief Justice of India (CJI)-
 - The President of India appoints the CJI and the other SC judges.
 - The outgoing CJI recommends his successor.

❖ About Collegium

- The collegium system is the way by which **judges of the Supreme Court and High Courts are appointed and transferred.**
- The collegium system is not **rooted in the Constitution** or a specific law promulgated by Parliament.
- It has **evolved through judgments of the Supreme Court.**
- **Composition :**
 - It is a **five-member body.**
 - It is **headed by the incumbent CJI** and comprises the **four other seniormost judges** of the court at that time.
- **Functioning :**
 - Judges of the higher judiciary are **appointed only through the collegium system** and the government has a role only after the collegium has decided names.

- The Collegium **recommends the candidate to the Law Minister**, who forwards it to the Prime Minister who then advises the President for the final appointment.
- The **government can return the recommendation** for reconsideration by Collegium.
- If the **collegium reiterates its recommendation** then the government is mandated to appoint the respective person.

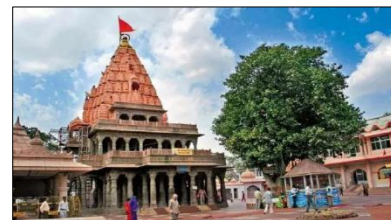
❖ About the '5+1' Collegium

- Generally, one or more of the four senior judges in the collegium would be a **potential CJI candidate.**
- The next in line is considered **important to ensure continuity of decision-making.**
- But if the **situation should be such** that the **successor Chief Justice is not one of the four senior-most puisne Judges**, he must **invariably be made part of the collegium.**
- The Judges to be appointed will function during his term and it is but right that he should have a hand in their selection.
- In the two-year tenure of Justice Chandrachud as CJI, a potential CJI candidate is unlikely to be in the collegium until May 2023.
- Given the order of seniority, a **potential CJI (Justice Khanna) will enter the Chandrachud collegium only in May 2023.** Justice Khanna will be the sixth member of the collegium from November 9, 2022.

Mahakaleshwar Temple

❖ Context

- Recently, the **Prime Minister of India inaugurated the Mahakal Lok corridor** at Mahakaleshwar temple in Madhya Pradesh's Ujjain city.



❖ About Mahakal Corridor

- The Mahakal Lok corridor, measuring more than **900 meters in length** is expected to boost Madhya Pradesh's tourism.
- The project was **built at a cost of around Rs 850 crore.**



- It will allow the pilgrims visiting the temple to **experience world-class amenities.**
- This project will **include 17 hectares of Rudrasagar lake.**
- The project is expected to increase annual footfall in the city from the current 1.50 crore to nearly three crore.

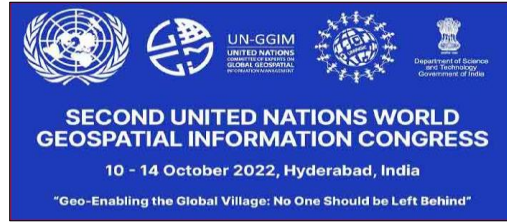
❖ About Mahakaleshwar Temple

- Mahakaleshwar, which means the '**Lord of time**', refers to Lord Shiva.
- As per Hindu mythology, the **temple was constructed by Lord Brahma** and is presently located alongside the holy river Kshipra.
- Mahakaleshwar Jyotirlinga in Ujjain is **one of the 12 jyotirlingas** considered the most sacred abodes of Shiva.
- As per records, the temple's Mahakal Lingam is believed to be **Swayambhu (self-manifested)**.
- Unlike any other jyotirlingas in the country, the **idol of Mahakaleshwar faces south.**
- The **idol of Omkareshwar Mahadev** is consecrated in the sanctum above the Mahakal shrine.
- The temple has **five levels**, one of which is underground.
- On the day of **Maha Shivaratri**, a **huge fair** is held near the temple, and worship goes on through the night

Face to Face Centres



UN World Geospatial International Congress



❖ Context

- Prime Minister inaugurated the United Nations World Geospatial Congress (UNWGIC) 2022 recently.

❖ Key Highlights

- The goal of this year's UNWGIC is to promote a broad dialogue on global geospatial information management with all relevant governments, non-governmental organisations, academia, and the private sector.
- Geospatial technology can be used to create intelligent maps and models which help to collect geographically referenced data. Decisions based on the value and importance of resources, most of which are limited, can become easy through geospatial technology.
- The theme of UNWGIC 2022 is 'Geo-Enabling the Global Village: **No one should be left behind.**
- The move aims to provide high-quality and trustworthy geospatial data to support global and national policy agendas.
- It also stresses international cooperation and coordination in the development of human data linked to geography.
- It promotes societal development and well-being, addresses environmental and climate challenges, and embraces digital transformation and technological advancement.
- Intelligent maps and models can be created using geospatial technology. It can be used to reveal spatial patterns hidden in large amounts of data that are complex to access collectively through mapping.

UN General Assembly



❖ Context

- Recently India voted to reject Russia's demand for a secret ballot in the UN General Assembly on a draft resolution to condemn Moscow's "illegal" annexation of four regions of Ukraine.

❖ About UNGA

- The UN General Assembly (UNGA) is the main policy-making organ of the Organization.
- Comprising all Member States, it provides a unique forum for multilateral discussion of the full spectrum of international issues covered by the Charter of the United Nations.
- Each of the 193 Member States of the United Nations has an equal vote.
- The UNGA also makes key decisions for the UN, including:
 - appointing the Secretary-General on the recommendation of the Security Council.
 - electing the non-permanent members of the Security Council.
 - approving the UN budget.
 - The Assembly meets in regular sessions from September to December each year, and thereafter as required.
- It discusses specific issues through dedicated agenda items or sub-items, which lead to the adoption of resolutions.

Emergency Helicopter Medical Services



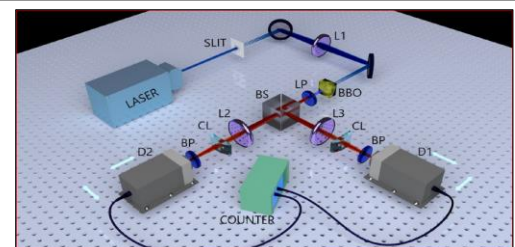
❖ Context

- The Union government is drawing a national plan for helicopter emergency medical services in the country and a pilot project towards it would soon be launched at AIIMS Rishikesh.

❖ Key Highlights

- Use of helicopters for medical emergency services along with the "fractional ownership" will be key drivers for growth of helicopter services in the country.
- Ministry has also set up a "Helicopter Accelerator Cell" to promote connectivity.
- The Helicopter Accelerator Cell is active in resolving issues related to helicopters and the advisory group of industry representatives has been helping in identifying problems areas.
- Three helicopter corridors - Mumbai-Pune, Ahmedabad-Gandhinagar, and Shamshabad-Begumpet -- have been created and new IFR corridors are being planned.
- **"Fractional Ownership" of helicopters:** Under this multiple owners share the cost of acquisition and operation of the aircraft in return for rights to use them for a specified number of hours or days in a year.

Quantify Quantum Entanglement



❖ Context

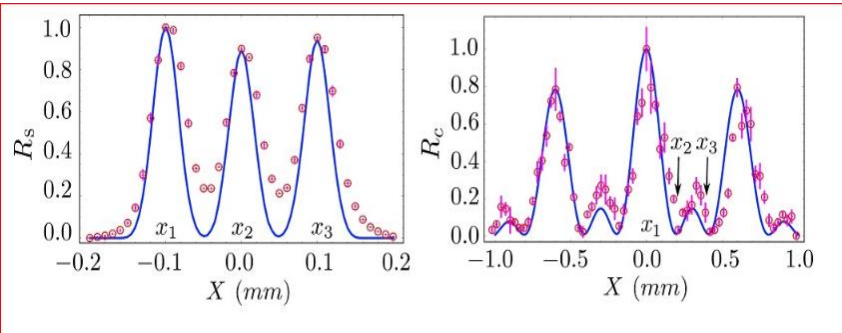
- Indian scientists have found efficient way to quantify quantum entanglement in higher dimensional systems.

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❖ Key Highlights

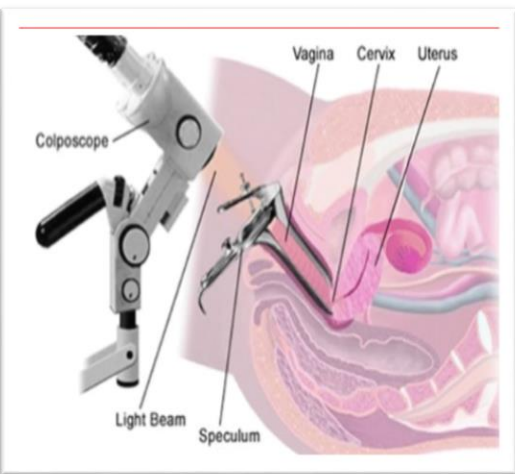
- **Quantum entanglement:** It is the physical phenomenon that occurs when a group of particles are generated, interact, or share spatial proximity in a way such that the quantum state of each particle of the group cannot be described independently of the state of the others, including when the particles are separated by a large distance.



- The study could help potentially enable better assessment of the efficacy of an entangled state for technological applications like quantum teleportation (a technique for transferring quantum information from a sender at one location to a receiver some distance away) where the success and accuracy of the process depends on the amount of entanglement as well as other quantum communication protocols.
- Entangled state is a crucial state of quantum mechanics and can be used as a resource for quantum communication, quantum computation and information processing tasks that are impossible for classical systems.
- Higher dimensional systems (dimension greater than two) are proven to have advantages in both quantum computing and quantum communications.
- Thus experimentally realising higher-dimensional entangled states along with the studies of quantification of the entanglement are of critical importance.

News in Between the Lines

Colposcope



❖ Context

- All India Institute of Medical Sciences, AIIMS New Delhi is developing an Artificial Intelligence enabled device named Colposcope for the screening of cervical cancer in women.

❖ Key Highlights

- The images captured by the device will help detect the cancer of cervix.
- This device can be carried out by Healthcare workers in the field for the diagnosis of this disease.
- Cervical cancer occurs due to **Human Papiloma Virus**, HPV infection.
- Every year, an estimated one lakh 20 thousand women develop cervical cancer and over 77 thousand women die due to this disease in India.
- This cancer can be prevented by administering HPV vaccine.
- The recently developed Made in India HPV vaccine- CERVAVAC will be part of the immunization programme and expected to be available for all the girls.

India-Norway Joint Working Group



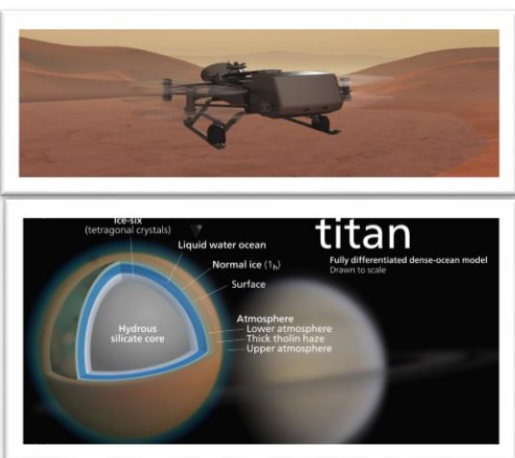
❖ Context

- Recently India hosted the 6th meeting of the India-Norway Joint Working Group on Higher Education.

❖ Key Highlights

- The two sides reviewed the progress made under the Indo-Norwegian Cooperation Programme developed under the ambit of the previous India-Norway MoU signed in 2014 and deliberated upon overall higher education policy and priorities, student/faculty mobility and cooperation in the field of skill development.

NASA's Dragonfly Rotorcraft



❖ Context

- NASA's Dragonfly rotorcraft is scheduled to reach the Selk Crater region on Saturn's moon Titan in the year 2034.

❖ Key Highlights

- Scientists have characterised the landscape of this region by analysing radar images of the area acquired by the Cassini spacecraft during its 13 years of exploring the Saturn system.
- It is a patchwork of sand dunes and broken-up ice.
- "Dragonfly – the first flying machine for a world in the outer solar system – is going to a scientifically remarkable area. Dragonfly will land in an equatorial, dry region of Titan – a frigid, thick-atmosphere, hydrocarbon world.
- Titan is an ideal destination to study astrobiology, prebiological chemistry and the potential habitability of an extraterrestrial world. This is because it is an ocean world dominated by water and ice with a carbon-rich chemistry.

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G7



❖ Context

➤ Recently, **G7 leaders condemned Russian missile attacks** in the strongest possible terms and pledged to meet Ukraine's urgent requirements for military and defense equipment.

❖ About G7

- The G7 (Group of Seven) is an **organization of the world's seven largest so-called "advanced" economies**.
- They dominate global trade and the international financial system.
- Together the member countries represent **40% of the global GDP and 10% of the world's population**.
- They are Canada, France, Germany, Italy, Japan, the UK, and the United States.
- **Russia joined in 1998**, creating the G8, but **was excluded in 2014** for its takeover of Crimea.
- The **EU is not a member of the G7** but attends the annual summit.
- The G7 has **no legal existence, permanent secretariat, or official members**.
- It also has no binding impact on policy and all decisions and commitments made at G7 meetings need to be ratified independently by governing bodies of member states.

Kurds



❖ Context

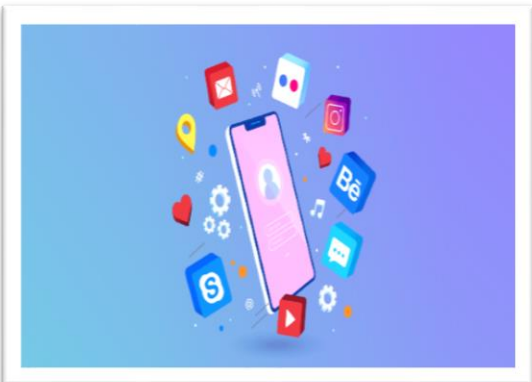
➤ Recently, the **death of an ethnic Kurd** raised tensions between the establishment and Iran's Kurdish minority.

➤ A young Iranian Kurdish woman died in the custody of Iran's morality police.

❖ Key Highlights

- The Kurds are **one of the indigenous peoples of the Mesopotamian plains and the highlands** in what are now south-eastern Turkey, north-eastern Syria, northern Iraq, north-western Iran, and south-western Armenia.
- They are members of a large, predominantly **Muslim ethnic group**.
- They speak a **language related to Farsi**.
- **The 1920 Treaty of Sevres** :
 - It imposed a settlement and colonial carve-up of Turkey after World War One, and promised Kurds independence.
- **The Treaty of Lausanne** :
 - Ratified in 1924, divided the Kurds among the new nations of the Middle East.
- Today, there are **more than 30 million Kurds living across the region**, with about half of them in Turkey.
- Iraq is the only country in the region to have established an **autonomous Kurdish region**, known as Iraqi Kurdistan. Its parliament was founded in 1992.

Everything App or Super App



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❖ Context

➤ Recently, Elon Musk suggested a plan to create an **'Everything App' X**.

❖ Key Highlights

- A super app, or an "everything app," has been described as **one that offers a series of services for users**.
- This could **include messaging, social networking, direct payment services, and online shopping**.
- These mega apps are widely used in Asia because mobile is the main form of access to the internet for many people in the region.
 - **WeChat of China** - Users of this app can hail a car or taxi, send money to friends and family or make payments at stores, use it as an electronic identification system, etc.
 - **Grab app of Southeast Asia**- It offers food delivery, ride-hailing, on-demand package delivery, and financial services and investing.
 - **Paytm**- It has brought together services like payments, ticket bookings, games, online shopping, banking, consumer finance, etc into one app.

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