

September - 04

TNPSC BITS

- ❖ Prime Minister laid the foundation stone for the Vadhvan Port in Maharashtra's Palghar district.
- ❖ First indigenously developed Pollution Control Vessel of ICG, 'Samudra Pratap' is recently launched in Goa.
- ❖ The second India-Singapore Ministerial Roundtable (ISMR) was recently held in Singapore.
- ❖ The Second Meeting of the Joint Russian- Indian Commission on the Cooperation in the Field of Emergency Management was held in Moscow.
- ❖ Berkshire Hathaway has reached \$1 trillion in valuation and became the first US non-Tech company to reach this milestone.
- ❖ Google DeepMind's India unit is developing an Indic language AI project called Morni (Multimodal Representation for India).
 - It aims to encompassing 125 Indian languages and dialects to build inclusive and equitable Indic AI.

TAMIL NADU

Cauvery water annual share 2024



- ❖ With this month's Cauvery realisation touching around 76 thousand million cubic feet (tmc ft), Tamil Nadu is on the verge of receiving its annual share of the river water: 177.25 tmc ft.

- ❖ As of August 28, 2024, the State received approximately 174.7733 tmc ft, since June 1, 2024.
- ❖ In June and July, the figures of realisation were 2.25 tmc ft and 96.54 tmc ft, respectively.
- ❖ A perusal of the data of realisation for August since 1974 would reveal that the average figure for the 50-year-long period (1974-2023) was 62 tmc ft.

NATIONAL

Bharat Zero Emission Trucking policy 2024

- ❖ The Government of India has launched the “Bharat Zero Emission Trucking (ZET) Policy Advisory” document.
- ❖ It aims to guide India toward a sustainable future by promoting zero-emission trucking, aligning with national goals of energy security and carbon neutrality.
- ❖ ZETs are vehicles powered by clean energy sources like electricity or hydrogen, producing no tailpipe emissions.
- ❖ They can lower carbon emissions by 44% to 79% compared to diesel trucks.

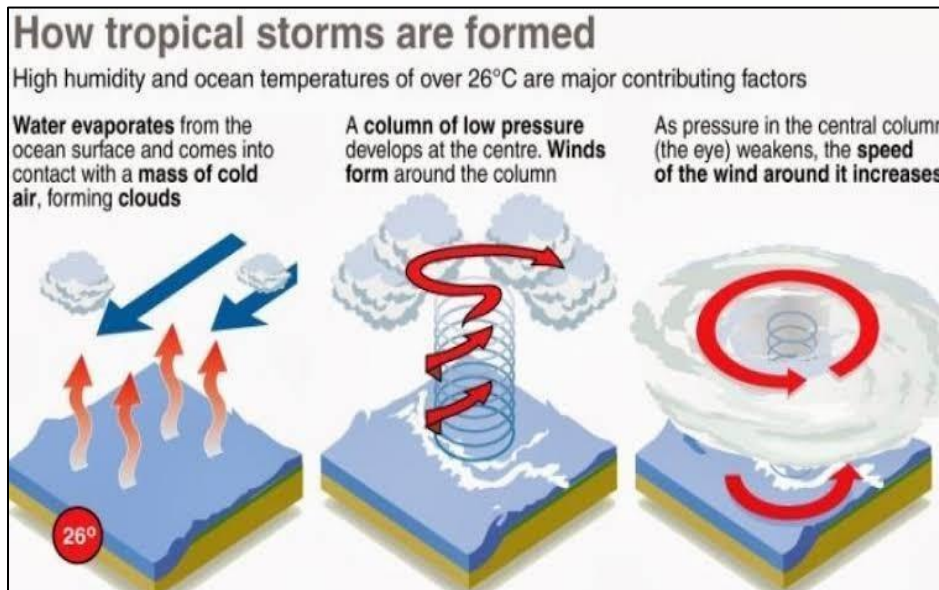


INTERNATIONAL

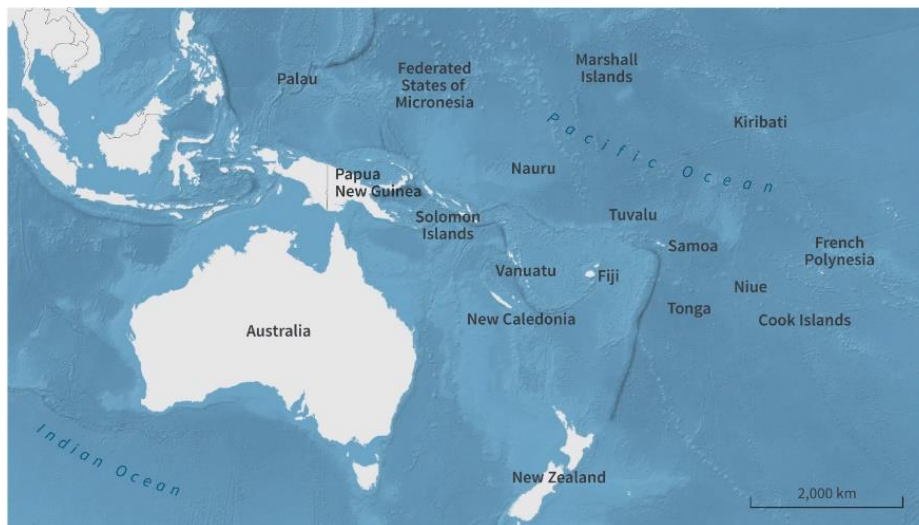
Cyclone Asna

- ❖ Cyclone Asna has formed over the Kutch coast in Gujarat and adjoining areas of Pakistan.
- ❖ This cyclonic storm is a rare land-originating one in August and headed to the Arabian Sea.

- ❖ This is the first cyclonic storm in the Arabian Sea in August since 1976.
- ❖ The name Asna, which means “the one to be acknowledged or praised”, has been given by Pakistan.
- ❖ Between 1891 and 2023, only three cyclonic storms formed in the Arabian Sea in August (in 1976, 1964, and 1944).



Pacific Islands Forum 2024

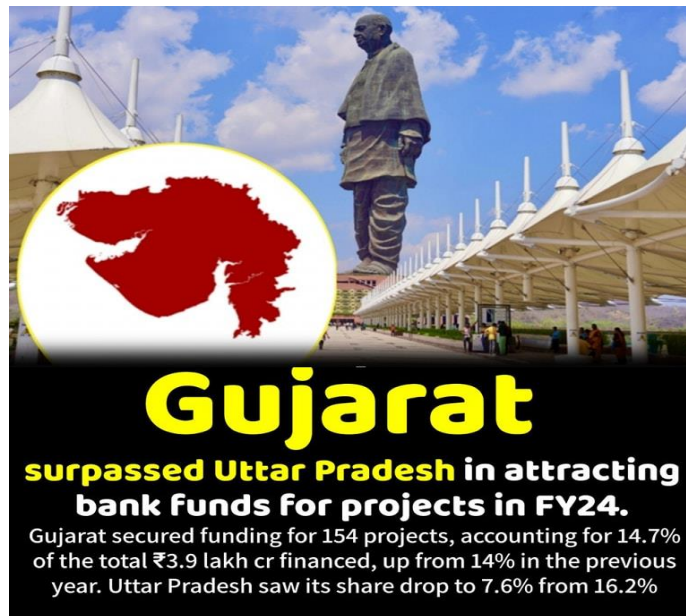


- ❖ The annual meeting of the Pacific Islands Forum (PIF) was held in Nuku'alofa, the capital of Tonga.
- ❖ Formed in 1971, PIF is an intergovernmental organisation which consists of 18 member states located in the Pacific region.

- ❖ Some of notable member states are Australia, New Zealand, Papua New Guinea, Fiji, Tonga, and Cook Islands etc.

ECONOMY

Top investment destination in 2023-24



- ❖ Gujarat replaced Uttar Pradesh in attracting bank funds for projects in the state in 2023-24.
- ❖ Gujarat got funds for 154 projects accounting for 14.7 percent of the Rs 3.9 lakh crore financed by banks and financial institutions
- ❖ This marked an increase from the previous year's 14% share.
- ❖ UP received funds for 69 projects, with its share dropping to 7.6% from 16.2% in the previous year.
- ❖ Maharashtra, Andhra Pradesh were the other states in the top destination.

SCIENCE AND TECHNOLOGY

J0529-4351

- ❖ Astronomers discovered J0529-4351, the most powerful quasar.
- ❖ It has brightness 500 trillion times greater than that of the sun.
- ❖ The light from the quasar requires 12 billion years to travel to Earth.

- ❖ Quasars are incredibly luminous cores of distant galaxies, fuelled by the super massive black holes at their centres.



Humanoid Vyomitra in 2025



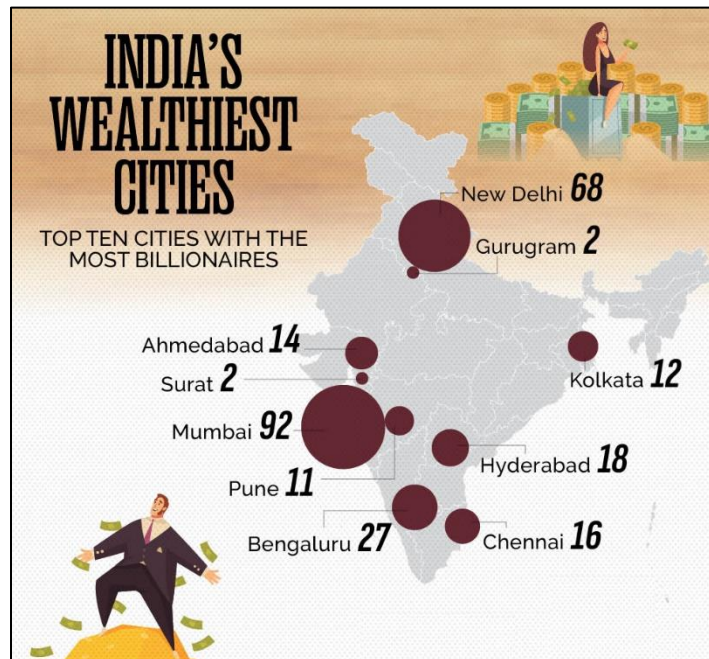
- ❖ Before launching astronauts on the Gaganyaan mission next year, ISRO will send a humanoid robot, Vyommitra, into space to test spacecraft safety.
- ❖ The humanoid's skull was designed at ISRO's Thiruvananthapuram unit.
- ❖ India's first attempt at sending humans into space is scheduled for next year.

- ❖ But before that two uncrewed preparatory missions, Gaganyaan-1 (G1) and Gaganyaan-2 (G2), would be flown, the first one later this year.
- ❖ The G2 mission will carry Vyommitra inside the human-rated pressurised crew module.

REPORTS AND INDICES

Hurun India Rich List 2024

- ❖ Mumbai is now the billionaire capital of Asia surpassing China's capital Beijing.
- ❖ Mumbai is also the top city for India's wealthy, followed by New Delhi and Hyderabad.
- ❖ In terms of state distribution, Maharashtra leads with 470 entrants, while Delhi has 213.
- ❖ Gujarat ranks third with 129 entrants, with Tamil Nadu, Telangana, and Karnataka occupying the next three positions.

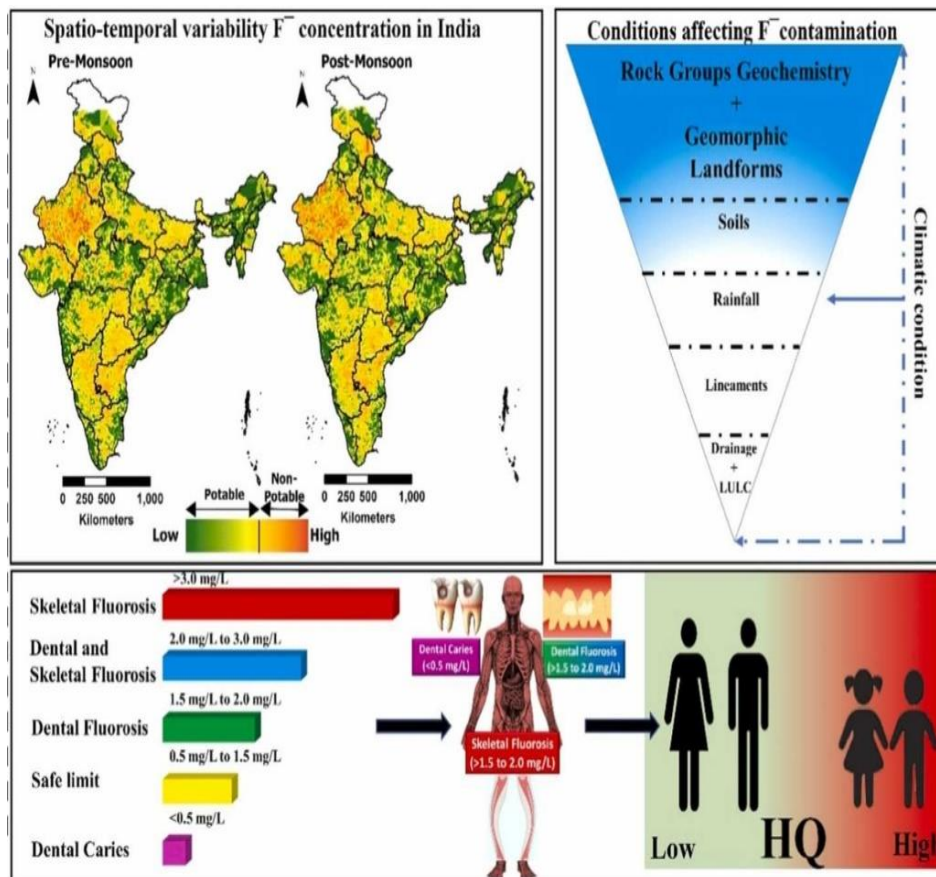


STATES

Fluorine contamination in groundwater 2024

- ❖ Fluoride contamination in groundwater is above-permissible levels of the mineral across states of Rajasthan, Telangana, western Andhra Pradesh and eastern Karnataka.

- ❖ It has also prevailed in parts of Haryana, Gujarat, Madhya Pradesh, Tamil Nadu, Uttar Pradesh, Jharkhand, Bihar and Chhattisgarh.
- ❖ Excess fluoride increases the risks of disease conditions like skeletal fluorosis, accelerates the rate of dental decay.
- ❖ The nationally permissible limit of Fluoride is 1.50 milligrams/litre.
- ❖ Contamination over 1.50mg/litre is deemed unfit for drinking purposes.
- ❖ The average concentration of fluoride in groundwater was higher in dry, western Indian regions.
- ❖ Rajasthan topped in the charts and the post-monsoon concentration of fluorine was found to be above normal in Karnataka, Tamil Nadu and Jharkhand.



New Muslim marriage Bill – Assam

- ❖ Assam’s Legislative Assembly repealed the 1935 Act for the registration of Muslim marriages and divorces, and passed a new one to replace it.
- ❖ This 1935 Act has the scope for marriages between minors.

- ❖ The new bill is named as the Assam Compulsory Registration of Muslim Marriages and Divorces Bill, 2024.
- ❖ The registration under the new Bill is to be carried out by the Marriage and Divorce Registrar of the area concerned, who is the sub-registrar.
- ❖ The state also planned to introduce legislation to ban polygamy.



The Assam Legislative Assembly has passed the Assam Compulsory Registration of Muslim Marriages and Divorces Bill, 2024.

The law aims to prevent child marriages, ensure free consent and curb polygamy.

Mandatory registration
All Muslim marriages must now be registered with a government Sub-Registrar in each jurisdiction.

Free consent
Marriages must be based on the free consent of both parties.

Age requirements
The bride must be at least 18 years old, and the groom must be 21 years old at the time of marriage.

30-Day notice
Couples must give a 30-day notice before their marriage can be registered, along with identity, age, and residence documents.

Penalties for non-compliance
Registering officers who knowingly register unlawful marriages can face up to a year in prison and a ₹50,000 fine.



Qutub Shahi Tomb Complex - Hyderabad



- ❖ The restoration project of this complex began in 2013, and was completed in July 2024.
- ❖ The Qutb Shahi tomb complex is a 500-year-old cluster of grand mausoleums, idgah, graves, funerary mosques, a hammam (bath), and baolis (stepwells).
- ❖ Of the seven kings, six have their mausoleums at the tomb complex.
- ❖ It depicts the pinnacle of art and architecture of the region ruled by the Golconda kings for 169 years between 1518 and 1687.

- ❖ Qutb Shahi monuments including Golconda fort along with similar monuments in Gulbarga, Bidar and Bijapur in Karnataka are already inscribed in the tentative list of UNESCO world heritage sites from India in 2014.

PERSONALITIES, AWARDS, AND EVENTS

New Zealand's Māori King

- ❖ New Zealand's Maori King Kiingi Tuheitia Pootatau Te Wherowhero VII has died recently.
- ❖ The Kiingitanga – Maori King movement – was founded in 1858 with the aim of uniting New Zealand's Indigenous Maori under a single sovereign.
- ❖ The position has significant political and symbolic weight, but no legal status.
- ❖ Tuheitia succeeded his mother in 2006 to become the seventh Kiingitanga monarch.
- ❖ The position is not necessarily hereditary.



SPORTS

Paris Paralympics 2024

- ❖ Avani Lekhara (Rajasthan) and Mona Agarwal (Rajasthan) opened India's medal tally after winning gold and bronze respectively in women's 10m air rifle standing SH1.
- ❖ Preethi Pal (Uttar Pradesh) won a bronze medal in the women's 100m T35.

- ❖ This is India's first medal in a track event at the Para Games.
- ❖ Manish Narwal (Haryana) clinched a silver medal in the men's 10m Air Pistol SH1.

