

October - 26

TNPSC BITS

- ❖ The 14th biennial lake conference took place in Moodbidri, Karnataka on the theme 'Lake 2024 – wetlands for human wellbeing'.
- ❖ Hurricane Oscar made landfall as a tropical storm near the city of Baracoa in eastern Cuba.
- ❖ The cyclonic storm, Dana, caused extremely heavy rainfall in Odisha & West Bengal and made landfall in Odisha coast.
 - Its name was suggested by Qatar.
- ❖ India and Colombia signed the Audio-Visual Co-Production Agreement, enabling filmmakers from both countries to collaborate on various aspects of film production.
- ❖ The Indian Air Force (IAF) and Singapore Air Force participate in the 12th Joint Military Training (JMT) exercise at Kalaikunda Air Force station, West Bengal.
 - Singapore is the only country in the world to which India offers its military training facilities.

TAMIL NADU

'Amudham Plus' provisions

அமுதம் பிளஸ்
15 மளிகைப் பொருள்கள் தொகுப்பு
ரூ.499

மஞ்சள் தூள் : 50 கிராம்

கடுகு + உ.உ. பருப்பு : 125 கிராம்	புளி : 500 கிராம்
சீரகம் : 100 கிராம்	உப்பு : 1 கிலோ
வெந்தியம் : 100 கிராம்	உளுத்தம் பருப்பு : 500
சோம்பு : 50 கிராம்	கடலை பருப்பு : 200
மிளகு : 50 கிராம்	பாசிப்பருப்பு : 200
மிளகாய் : 250 கிராம்	வறுகடலை : 200
தலியா : 500 கிராம்	பெருங்காய்த்தூள் : 15 கிராம்

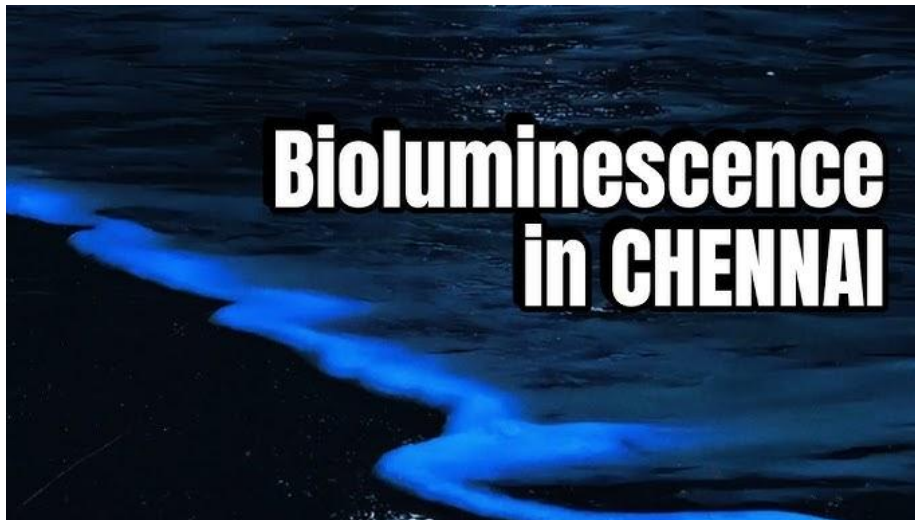
தமிழ்நாடு நுகர்பொருள் வாணிபக் கழகத்தின்
அமுதம் மக்கள் அங்காடிகள் மூலம் ரூ.499/-க்கு
15 மளிகை பொருட்கள் அடங்கிய அமுதம் பிளஸ் என்ற
தொகுப்பு அறிமுகப்படுத்தப்பட்டுள்ளது.

- ❖ The Tamil Nadu government has introduced an 'Amudham Plus' provisions hamper.



- ❖ It contains 15 items to be sold through the Amudham departmental stores at a cost of ₹499 per unit.
- ❖ The hamper from the Tamil Nadu Civil Supplies Corporation is aimed at catering to the needs of a family for a month.
- ❖ The 'Amudham Plus' provisions hamper is expected to benefit citizens, especially during the Deepavali festival season.

Bioluminescent Waves in Chennai



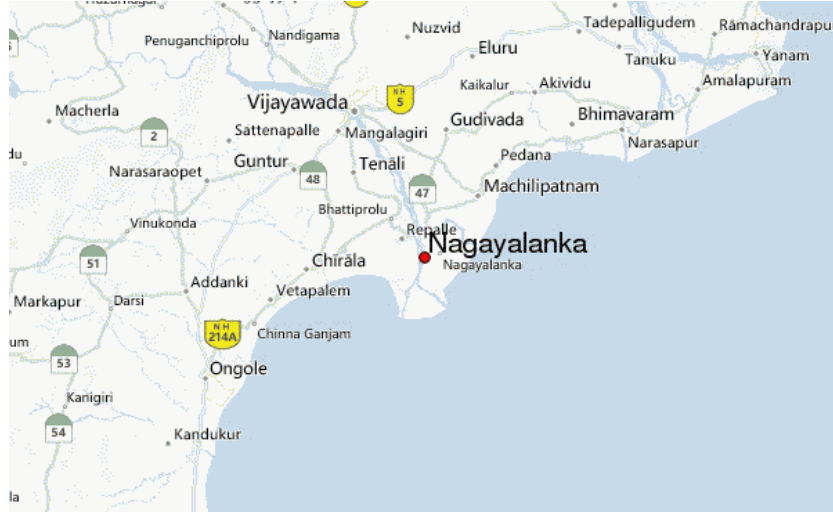
- ❖ Chennai's East Coast Road beach blazed with the rare bioluminescent waves recently.
- ❖ Bioluminescence is a natural phenomenon produced by certain marine organisms; primarily microscopic plankton called dinoflagellates.
- ❖ These tiny creatures emit light through a chemical reaction within their bodies when agitated by wave action or other disturbances in the water.
- ❖ The result is a display of blue-green light that appears to make the waves glow.
- ❖ Marine organisms use bioluminescence for various purposes, including defense against predators, attracting prey, and communication.

NATIONAL

New missile testing range – Nagayalanka

- ❖ The Cabinet Committee on Security approved the establishment of a new missile testing range in the Nagayalanka area of Andhra Pradesh's Krishna district.

- ❖ This will allow the defence researchers in the country to test a large number of tactical missile systems.
- ❖ The new facility will support testing of surface-to-air missiles, anti-tank missiles, and other projects under DRDO.



INTERNATIONAL

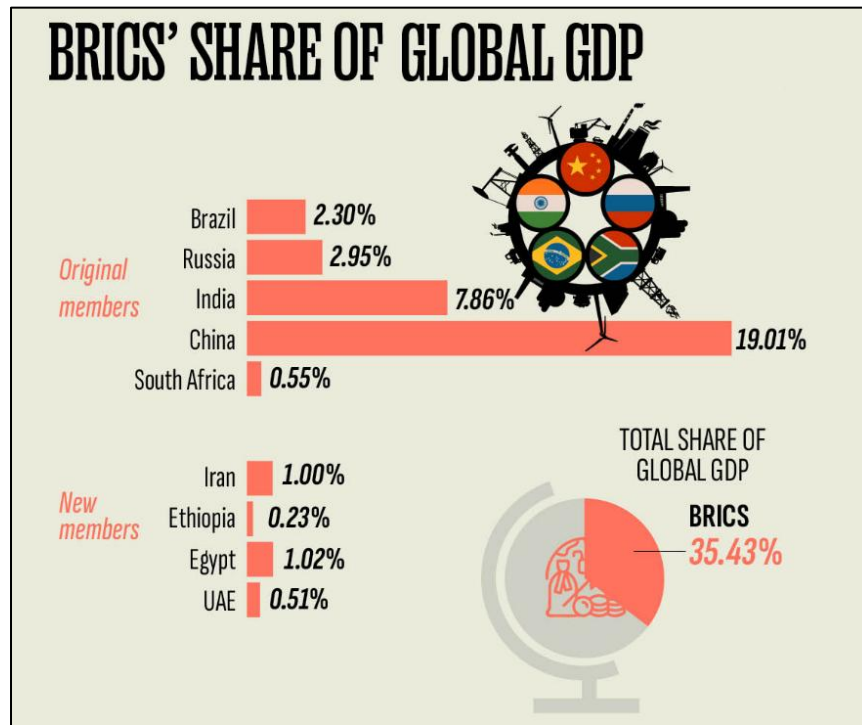
Rome Declaration



- ❖ The High-level Rome Water Dialogue took place on the sidelines of FAO's annual World Food Forum (WFF) at FAO headquarters in Rome.
- ❖ FAO members and partners of the Global Framework on Water Scarcity in Agriculture (WASAG) has adopted the Rome Declaration on Water Scarcity in Agriculture.

- ❖ It is aimed at addressing water scarcity, increasingly exacerbated by the climate crisis, particularly in the agriculture sector.
- ❖ The WASAG initiative was launched at the United Nations Climate Conference in Marrakesh in 2016 to support countries in addressing water scarcity challenges.
- ❖ By 2050, more than half the global population will live in areas at risk of water scarcity at least one month a year and agriculture.

16th BRICS Summit

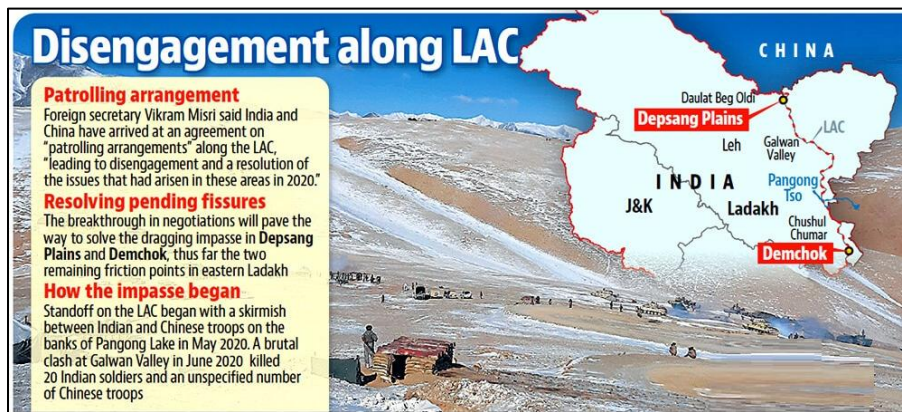


- ❖ 16th BRICS Summit was held in Kazan, Russia.
- ❖ India had bilateral meeting with President Xi Jinping on the sidelines of the BRICS summit after 5 years.
- ❖ UN Secretary General Antonio Guterres also attended the BRICS summit.
- ❖ This Summit concluded with the adoption of the Kazan Declaration.
- ❖ The first Bric summit was held in Russia's Yekaterinburg in 2009.
- ❖ South Africa was accepted as a full member at the Bric foreign ministers' meeting in New York in September 2010.
- ❖ The New Development Bank (NDB) was establishment in 2014, with a capital of \$100 billion.
- ❖ In 2024, the group further grew with the addition of new members: Egypt, Ethiopia, Iran, Saudi Arabia, and the United Arab Emirates.

- ❖ This is the first summit of the group following its expansion.
- ❖ Now, over 30 countries have expressed the desire to join Brics.

India and China on LAC agreement

- ❖ India and China have reached an agreement on the “patrolling arrangements” and the resolution of the military stand-off at the Line of Actual Control (LAC).
- ❖ The disengagement agreement came after 17 rounds of working mechanism meetings and 21 rounds of military dialogue.
- ❖ The new agreement will facilitate Indian troops to resume patrolling up to their old patrolling points in Depsang and Demchok
- ❖ Disputes have already been settled in Gogra-Hot Springs, Pangong Lake, and Galwan Valley.
- ❖ India and China share a 3,488 km long border.
- ❖ While China claims about 90,000 sq km of India's territory, including in Arunachal Pradesh.
- ❖ India has maintained that 38,000 sq km of land in the disputed Aksai Chin region is the part of Ladakh.

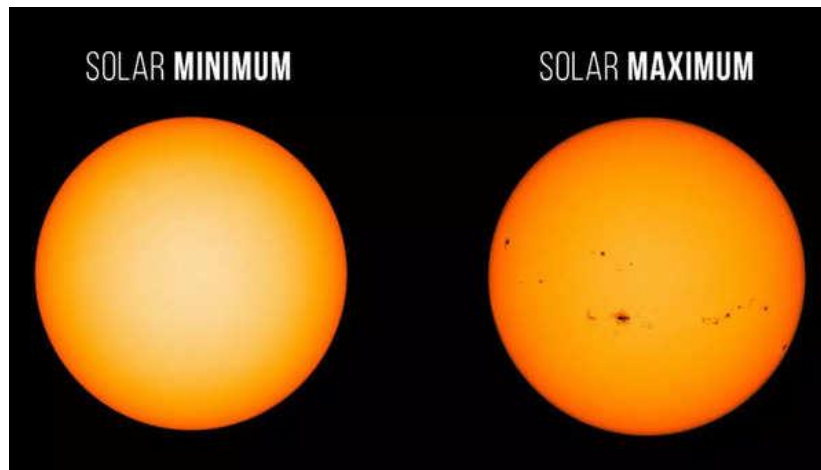


SCIENCE AND TECHNOLOGY

Solar Maximum 2024

- ❖ The Sun has now entered its "solar maximum period" in the current solar cycle.
- ❖ The solar maximum is a phase characterised by a significant rise in sunspots and solar phenomena.
- ❖ The solar cycle represents the natural fluctuation of the Sun as it moves between periods of low and high activity.

- ❖ Approximately every 11 years, at the peak of this cycle, the Sun's magnetic poles flip—similar to the North and South Poles on Earth swapping positions every decade.
- ❖ In the solar maximum phase, the Sun is capable of producing massive explosions of light, energy, and solar radiation.
- ❖ The solar emissions interact with Earth's magnetic field, resulting in geomagnetic storms.



ENVIRONMENT

Nilgiri tit butterfly



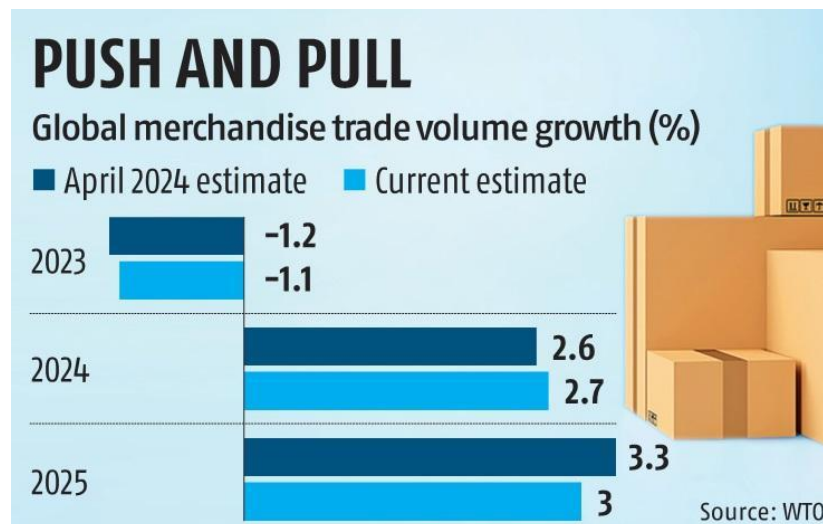
- ❖ The Nilgiri tit (*Hypolycaena nilgirica*) is utilising a large terrestrial orchid plant as a host.
- ❖ This is the first known record of the butterfly using this particular species of plant as a host in India.

- ❖ The Nilgiri tit was first described in 1884 from Coonoor in the Nilgiris, since it has been recorded in Sri Lanka.
- ❖ The Nilgiri tit was noted to lay its eggs on the inflorescence (complete flower head) of the larval host plant, *Eulophia epidendreae*.
- ❖ This terrestrial orchid was found on rocky slopes in humid areas.

REPORTS AND INDICES

Global Trade outlook and statistics report 2024 - WTO

- ❖ WTO revised downwards its projection of world merchandise trade growth to 3 per cent in 2025, from its earlier estimate of 3.3 per cent.
- ❖ For 2024, the WTO revised upwards its forecast for merchandise trade growth to 2.7 per cent, up from the previous estimate of 2.6 per cent.
- ❖ The first half of 2024 saw 2.3 per cent year-on-year increase.
- ❖ Europe has continued to weigh heavily on global merchandise trade in 2024.
- ❖ Singapore, Malaysia and other Asian economies, including India and Vietnam, show stronger growth.



STATES

24th National Para-Swimming Championship

- ❖ Karnataka has secured the overall title at the 24th National Para-Swimming Championships.
- ❖ Maharashtra finished second, while Rajasthan took the third spot.

- ❖ The event witnessed participation of 518 swimmers from 28 states.
- ❖ In the individual categories, Mohammed Aasim of Kerala emerged the men's senior champion.
- ❖ Jeya Selvan (Tamil Nadu) won Gold in 50 metre backstroke - Men's S6 Category.
- ❖ Simran Gaundalkar of Swimmers Club Belgaum set three national records in the 50 metre, 100 metre backstroke and 200 metre individual medley.



IMPORTANT DAYS

World Sight Day 2024 - October 10



- ❖ It is observed on the second Thursday of October.
- ❖ It aims to highlight the importance of protecting our eyes and vision, raise awareness of vision impairment and blindness, and promote eye and vision care.
- ❖ The theme of 2024 is “Children, love your eyes”
- ❖ Among all cases of blindness, 90% of them can be avoided or treated if identified early.
- ❖ Globally, nearly 220 crore individuals worldwide are visually impaired.



- ❖ 10 crore people suffer from a vision disability that could have been avoided or is still unaddressed.

