

Daily Current Affairs

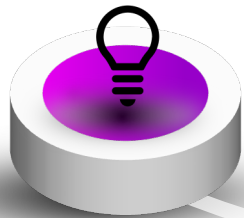


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The Hindu

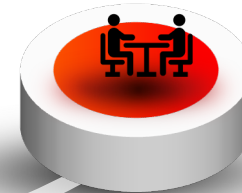


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SECURITY COUNCIL DEBATE
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NEWS » PAGE 6



DATA POINT
The danger of small debris orbiting Earth
They pose threat to space assets
OPINION » PAGE 5

FINAL BATTLE
India meets Australia in fourth Test from today
SPORT » PAGE 11

Hues of revelry



Splash of joy: Youngsters celebrating Holi on Beach Road in Vashi on Wednesday. A. A. BIZINE

Legend Kaleem exits, in comes Chinnathambi

With two successful operations under his belt, the rookie elephant is seen as the best option to step into the shoes of the legendary Kaleem, the kumki of the Tamil Nadu Forest Department

Wilson Thomas
COIMBATORE

With 60-year-old Kaleem, the legendary kumki of the Tamil Nadu Forest Department, hanging up his boots on Tuesday after two successful operations, Chinnathambi, a young crop-raider-turned-kumki, is likely to succeed him as the first and last equals. A kumki is a specially trained elephant, used in operations to help capture wild or herd wild elephants.

Aged 29, Chinnathambi has already performed two successful operations to capture a maddox (runkless male elephant),



Ideal choice: Legendary kumki of the Anamalai Tiger Reserve, Kaleem, with its mahout at Kizhikamudi camp. M. S. L. S. THOMAS

first from Dharmapuri and later from Coimbatore. "Going by physical features and the ability to grasp and execute commands, Chinnathambi is our first preference," says Anamalai Tiger Reserve (ATR) field director S. Ramasubramanian.

Calm and competent
The rookie has already worked with the veteran. Chinnathambi had his first

Saha sworn in as Tripura CM, TIPRA warms to BJP

Amit Shah promised constitutional solution to all issues facing the 14 lakh indigenous people, says TIPRA Motha chief Pradyot Debbarma. Party may extend issue-based support to BJP-led State govt.

The Hindu Bureau
AGARTALA, GUWAHATI

BJP leader Manik Saha on Wednesday took charge as the Chief Minister of Tripura for the second time. But the spotlight was on the TIPRA Motha, a new regional party.

Soon after Governor Sadyo Narayan Arya administered the oath of office and secrecy to Mr. Saha and eight MLAs as Ministers in the presence of Prime Minister Narendra Modi, Union Home Minister Amit Shah led a marathon meeting with TIPRA Motha chief Pradyot Debbarma and 13 MLAs of his party.

The meeting triggered speculation about the possibility of the TIPRA Motha



Back at the helm: Prime Minister Narendra Modi with Manik Saha at his swearing-in ceremony in Agartala on Wednesday. PTI

joining the BJP-Indigenous People's Front of Tripura (IPFT) alliance government; more so, after three Cabinet berths were left vacant. The possible strength of the Council of Ministers in the 60-member House is 12.

Mr. Debbarma later said Mr. Shah assured the party of a constitutional solution to all issues related to the 14 lakh Tripura (indigenous) people of the State. "We have been assured

that an interlocutor will be appointed within a time-frame for achieving a solution to all the problems relating to the sons of the soil," he said.

"Will consider posts"
The TIPRA Motha would not be part of the government now but may extend issue-based support and consider accepting "posts in the government" if the talks with the interlocutor go in the right direction, he added.

The BJP-IPFT combine won 33 seats, 11 fewer than in 2018. In a move to make the government durable, the BJP leadership has made attempts over the past three days to get support of the TIPRA Motha.

CONTINUED ON
» PAGE 6

IN BRIEF



Economic growth of Maharashtra likely to be 6.8%

MUMBAI Maharashtra's economy is expected to grow by 6.8% in 2022-23 against the projected 7% growth of the Indian economy, according to the State's Economic Survey tabled by Finance Minister Devendra Fadnis in the Assembly on Wednesday. » PAGE 4

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Money laundering laws will now cover crypto trade

Reuters
MUMBAI

India's money laundering laws will apply to trade in cryptocurrencies, the Union Finance Ministry said in a notification dated March 7.

The exchange between virtual digital assets and fiat currencies, the exchange between one or more forms of virtual digital assets and the transfer of digital assets will be covered under money laundering laws, the notification said.

The safekeeping or administration of virtual digital assets and the participation in financial services related to the offer and sale of virtual digital assets will also be covered, the notification added.

Word of caution
The country's effort to finalise legislation and regulations surrounding cryptocurrencies even as the Reserve Bank of India (RBI) has cautioned against their use and called for a ban.

The RBI has said that cryptocurrencies should be banned as they are akin to a Ponzi scheme.

Extending money laundering rules to cryptocurrencies will give the government a greater authority in monitoring the transfer of these assets abroad.

As part of its leadership of the G-20 forum, the government has been pushing for a wider global agreement on dealing with the risks brought on by cryptocurrencies.

Australian PM hails Gandhian values

Press Trust of India
AHMEDABAD

Australian Prime Minister Anthony Albanese on Tuesday paid tribute to Mahatma Gandhi, his values and philosophy

continue to inspire the world and a lot can be learnt from his life, as he visited the Sabarmati Ashram on his first India tour. He is on a four-day trip.

Mr. Albanese also attended a programme to announce that Australia's Deakin University would be setting up an international branch campus at GIFT City in Gandhinagar.

CONTINUED ON
» PAGE 6

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Saha sworn in as Tripura CM, TIPRA warms to BJP

Amit Shah promised constitutional solution to all issues facing the 14 lakh indigenous people, says TIPRA Motha chief Pradyot Debbarma; party may extend issue-based support to BJP-led State govt.

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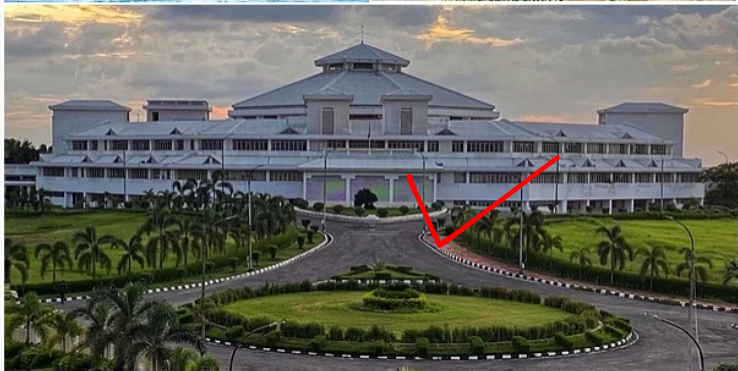
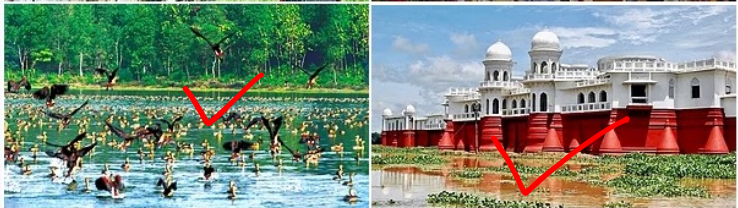
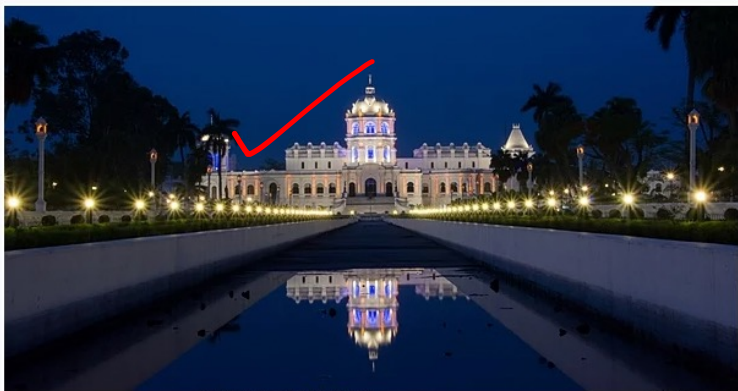
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(clockwise from top) [Ujjayanta Palace](#); Rock-cut sculptures at [Unakoti](#); [Tripura Sundari Temple](#); Wildlife of [Sepahijala](#); [Neermahal palace](#); [Tripura Legislative Assembly](#)

Country	 India
Union territory	1 November 1956
Upgraded as state	21 January 1972 [†]
Named for	Tripura Sundari Temple
Capital and largest city	Agartala
Districts	8
Government <ul style="list-style-type: none">BodyGovernorChief MinisterLegislature	Government of Tripura Satyadev Narayan Arya ^[1] Manik Saha (BJP) Unicameral <ul style="list-style-type: none">Assembly (60 seats)
<ul style="list-style-type: none">Parliamentary constituencyHigh Court	<ul style="list-style-type: none">Rajya Sabha (1 seat)Lok Sabha (2 seats) Tripura High Court
Area ^[2] <ul style="list-style-type: none">TotalRank	10,491.69 km ² (4,050.86 sq mi) 28th of 36
Population (2011) <ul style="list-style-type: none">TotalEstimate (2022)^[3]Density	3,671,032 4,109,000 350/km ² (910/sq mi)
GDP (2020–21) <ul style="list-style-type: none">NominalNominal per capita	₹0.589 lakh crore (US\$7.4 billion) ₹140,694 (US\$1,800)
Time zone	UTC+05:30 (IST)
ISO 3166 code	IN-TR
Vehicle registration	TR-
HDI (2022)	▲ 0.667 medium ^[4]
Literacy	87.75% (2011) ^[5]
Official languages ^[6]	Bengali · English · Kokborok



Queen [Kanchan Prabha Devi](#) who signed the [instrument of accession](#) to India as president of the Council of Regency.



Australian PM hails Gandhian values

Press Trust of India

AHMEDABAD

Australian Prime Minister Anthony Albanese on Wednesday paid rich tributes to Mahatma Gandhi, saying his values and philosophy

continue to inspire the world and a lot can be learnt from his life, as he visited the Sabarmati Ashram on his first India tour. He is on a four-day trip.

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The vows of Gandhi

India's
independence
leader Mahatma
Gandhi
espoused
virtues of
non-violence,
truth, peace
and simplicity

SOURCE:
AFP/GANDHIFOUNDATION.NET



- Gandhi has become an iconic figure, a symbol of many things for many people.
- His techniques have **universal appeal** which are not only relevant today but relevant for all times and ages.
- The 21st Century has evolved more as a materialistic and pompous world filled with greed, malice and hatred where **spiritual and moral values** are losing steam.
- The **four basic principles of ahimsa or nonviolence** i.e. respect, understanding, acceptance and appreciation have lost their identity, depth and value in the 21st century.

- गांधी एक प्रतिष्ठित शख्सियत बन गए हैं, कई लोगों के लिए कई चीजों के प्रतीक हैं।
- उनकी तकनीकों में सार्वभौमिक अपील है जो न केवल आज प्रासंगिक हैं बल्कि सभी समय और उम्र के लिए प्रासंगिक हैं।
- 21वीं सदी लालच, द्वेष और घृणा से भरी एक भौतिकवादी और आडंबरपूर्ण दुनिया के रूप में विकसित हुई है जहां आध्यात्मिक और नैतिक मूल्य भाप खो रहे हैं।
- अहिंसा या अहिंसा के चार बुनियादी सिद्धांत यानी सम्मान, समझ, स्वीकृति और प्रशंसा 21वीं सदी में अपनी पहचान, गहराई और मूल्य खो चुके हैं।

Leo Tolstoy's book 'The Kingdom of God is within you' had a deep influence on Mahatma Gandhi. The same was the case with John Ruskin's 'Unto This Last'.

Gandhiji paraphrased Ruskin's book 'Unto This Last' as 'Sarvodaya', which meant the upliftment of all.

लियो टॉल्स्टॉय की पुस्तक 'द किंगडम ऑफ गॉड इज विदिन यू' का महात्मा गांधी पर गहरा प्रभाव था। जॉन रस्किन की 'अनटू दिस लास्ट' में भी यही स्थिति थी।

गांधीजी ने रस्किन की पुस्तक 'अनटू दिस लास्ट' को 'सर्वोदय' के रूप में परिभाषित किया, जिसका अर्थ था सभी का उत्थान।

Money laundering laws will now cover crypto trade

Reuters
MUMBAI

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Word of caution

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Extending money laundering rules to cryptocurrencies will give the government greater authority in monitoring the transfer of these assets abroad.

As part of its leadership of the G-20 forum, the government has been pushing for a wider global agreement on dealing with the risks brought on by cryptocurrencies.

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Frame plan to manage solid waste: Kerala HC

High Court hears a *suo motu* case registered in connection with the fire at Brahmapuram waste treatment plant in Kochi; observes that the State government has to devise a plan whereby the elected representatives should be held responsible for segregation, disposal and handling of waste

**The Hindu Bureau
KOCHI**

A Division Bench of the Kerala High Court on Wednesday asked the State government to come out with a concrete plan for establishing functional facilities and not just skeletal facilities in Corporations, municipalities and gram panchayats to deal with the collection and disposal of solid wastes.

The Bench comprising Justice S.V. Bharti and Justice Banaji orally observed that the State government had to devise a plan whereby the elected representatives should be held responsible for segre-

gation, disposal, handling of wastes. Additional Chief Secretary Sarada Muraliedharan, who appeared online before the Bench, submitted that clear instructions had been given regarding the implementation of the waste management rules relating to the collection, segregation, recycling, etc. In fact, all local bodies had framed regulations and segregated waste collection was insisted upon. Unfortunately, implementation was the problem.

The court made the observation when a *suo motu* case registered in connection with the Brahmapuram fire came up for hearing.



Fire impact: Trippunithura enveloped in smoke from fire at the Brahmapuram waste treatment plant on Wednesday. THE HINDU

The court added that the problem was with respect to implementation of the solid waste management rules. The court cannot be oblivious to it. The government could issue a

notification to strengthen the arms of local bodies. The court directed the Additional Chief Secretary to take up the issue at the high-level meeting convened by the Chief Minister.

Collector transferred

**The Hindu Bureau
THIRUVANANTHAPURAM**

Kerala government on Wednesday effected an administrative reshuffle, in which the Collector of Ernakulam, Renu Raj, has

been transferred and posted as the Collector of Wayanad.

Umesh N.S.K., Staff Officer to Chief Secretary, has been transferred and posted as the Collector of Ernakulam.

Holiday for schools

**The Hindu Bureau
KOCHI**

It has been a week since the Brahmapuram waste treatment plant went up in flames. Ef-

forts are still under way to contain the smoke and pollution.

The district administration has declared holiday on Thursday and Friday to all educational institutions.

NASA hands over NISAR satellite to ISRO

**The Hindu Bureau
BENGALURU**

The Indian Space Research Organisation (ISRO) has received the NASA-ISRO SAR (NISAR) satellite from the U.S. space agency. NISAR is a Low Earth Orbit observatory jointly developed by NASA and ISRO.

According to ISRO, NISAR will map the entire globe in 12 days & provide spatially and temporally consistent data on Earth's ecosystems, mass, vegetation biomass, sea level rise, groundwater and natural hazards, including earthquakes, tsunamis, volcanoes and



NASA-ISRO SAR satellite being unloaded from an aircraft on Wednesday. @USNED/CHENNAI/TWITTER

landslides. NISAR carries L and S dual-band Synthetic Aperture Radar (SAR), which

operates with the Sweep SAR technique to scan large swaths with high-resolution data. The SAR

payloads mounted on Integrated Radar Instrument structure (IRIS) and the spacecraft bus are together called an observatory. The final integration of the satellite will be carried out at the S.R. K. Satellite Centre in Bengaluru, and ISRO is looking to launch the satellite in 2024 from Satish Dhawan Space Centre in Sriharikota.

WEATHERWATCH

Rainfall, temperature & air quality in select metros yesterday



TEMPERATURE (°C), RAINFALL (mm), AQI, PM2.5, PM10, OZONE (ppb) (NORMAL) (24 HRS AVG)

City	Temp	Rain	AQI	PM2.5	PM10	Ozone
Agartala	31.0	17.5	100	35.2	124.0	10.0
Ahmedabad	36.7	0.0	100	27.4	11.2	10.0
Bhopal	30.0	0.0	100	30.0	26.1	10.0
Bombay	30.0	0.0	100	30.0	26.1	10.0
Bhubaneswar	36.7	0.0	100	30.0	26.1	10.0
Chennai	30.0	0.0	100	30.0	26.1	10.0
Coimbatore	30.0	0.0	100	30.0	26.1	10.0
Delhi	30.0	0.0	100	30.0	26.1	10.0
Dispur	30.0	0.0	100	30.0	26.1	10.0
Gangtok	30.0	0.0	100	30.0	26.1	10.0
Gurgaon	30.0	0.0	100	30.0	26.1	10.0
Guwahati	30.0	0.0	100	30.0	26.1	10.0
Hyderabad	30.0	0.0	100	30.0	26.1	10.0
Imphal	30.0	0.0	100	30.0	26.1	10.0
Jammu	30.0	0.0	100	30.0	26.1	10.0
Kolkata	30.0	0.0	100	30.0	26.1	10.0
Lucknow	30.0	0.0	100	30.0	26.1	10.0
Mumbai	30.0	0.0	100	30.0	26.1	10.0
Nagpur	30.0	0.0	100	30.0	26.1	10.0
Pune	30.0	0.0	100	30.0	26.1	10.0
Rajkot	30.0	0.0	100	30.0	26.1	10.0
Shimla	30.0	0.0	100	30.0	26.1	10.0
Srinagar	30.0	0.0	100	30.0	26.1	10.0
Thiruvananthapuram	30.0	0.0	100	30.0	26.1	10.0
Tiruchirappalli	30.0	0.0	100	30.0	26.1	10.0
Tirunelveli	30.0	0.0	100	30.0	26.1	10.0
Vadodra	30.0	0.0	100	30.0	26.1	10.0
Vaishampati	30.0	0.0	100	30.0	26.1	10.0

PM2.5 in the air you are breathing
The following table shows the PM2.5 concentration in the air you are breathing in various cities. The table is based on the data collected by the Central Pollution Control Board (CPCB) on Wednesday. The table shows that the PM2.5 concentration is highest in Delhi and lowest in Mumbai.

City	PM2.5 (µg/m³)
Delhi	257
Ahmedabad	235
Bhopal	115
Bombay	100
Bhubaneswar	100
Chennai	100
Coimbatore	100
Dispur	100
Gangtok	100
Gurgaon	100
Guwahati	100
Hyderabad	100
Imphal	100
Jammu	100
Kolkata	100
Lucknow	100
Mumbai	100
Nagpur	100
Pune	100
Rajkot	100
Shimla	100
Srinagar	100
Thiruvananthapuram	100
Tiruchirappalli	100
Tirunelveli	100
Vadodra	100
Vaishampati	100

Shutter moment



One for the album: Women photographers across Kerala assemble at Thekkinkadu Madam in Thrissur on Wednesday to participate in a get-together organised by the All Kerala Photographers Association on the occasion of International Women's Day. S. K. N. K.

Men's mentality towards women has to change: Stalin

**The Hindu Bureau
CHENNAI**

Though women may have achieved economic independence and come to positions of power, they are still slaves in the minds of men, and that mentality has to change, Tamil Nadu Chief Minister M.K. Stalin said on Wednesday.

Today, women are standing up for their rights only due to their collective struggles with reformists over several hundred years. But they are yet to attain complete independence, Mr. Stalin said, during his speech at a Women's Day function in Chennai's Ethiraj College.



Due recognition: Tamil Nadu CM M.K. Stalin with women achievers in various fields during an event marking International Women's Day at Ethiraj College in Chennai on Wednesday. S. K. N. K.

Men should think on those lines," Mr. Stalin said. Kamraj's courage Women had been held in high regard and respected since the Sangam Age, he said. Recalling Kamraj's courage in questioning the king, Mr. Stalin said, "Women should think on those lines."

riyar' in one of the meetings organised by women. The Chief Minister also recalled the contributions of women who took part in the anti-British agitations in 1938, during which they were arrested, in some cases along with their babies. He listed programmes being implemented for women, and said the Dravidian model of governance gave priority to them.

Hands over awards Mr. Stalin handed over the Aravali Award for 2022 to Tamil scholar Kamal Chinnarasu. The award includes a cheque for ₹1 lakh, an eight-gram gold medal and a citation. He also presented the Girl Child Award to M. Hampiraj of Salem district for her innovative project aiming at avoiding loss of lives due to accidents in lifts. Mr. Stalin presented the

Best District Collector Award to Tiruvallur Collector Alby John Varghese for improving the sex ratio.

CM gifts books The Chief Minister also witnessed the All Women Police Station on Anna Salai in Chennai and gifted books to policewomen. Venkatesan, a father of three daughters in Ranipet district, all of whom have become policewomen, received a call from the Chief Minister on the occasion. He thanked the Chief Minister for his call, an official press release from the government said. During their conversation, Mr. Stalin commended Mr. Venkatesan for having instilled in his daughters the qualities of courage and determination, and for having stood by them despite economic challenges.

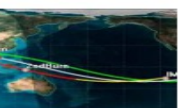
ISRO successfully carries out controlled re-entry experiment of MT-1 satellite

**The Hindu Bureau
BENGALURU**

The Indian Space Research Organisation (ISRO) on Tuesday successfully carried out the controlled re-entry experiment for the decommissioned Megha-Tropiques-1 (MT-1) satellite.

The space agency executed the final two deboost burns at 11.02 Universal Time Coordinated (UTC) and 12.51 UTC respectively.

The final perigee was estimated to be less than 100 km, indicating that the satellite would enter the denser layers of the Earth's atmosphere and subsequently undergo structural disintegration.



Planned manoeuvres: The final two deboost burns were executed at 11.02 UTC and 12.51 UTC. SPECIAL ARRANGEMENT

The re-entry aero-thermal flux analysis confirmed that there would be no surviving large debris fragments, the ISRO said. The agency added that from the latest telemetry, it is confirmed that the satellite has re-entered the Earth's atmosphere and would have disintegrated over the Pacific Ocean, the final impact region is not yet known.

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events was carried out from the Mission Operations Complex in ISRO Telemetry Tracking and Command Network in Bengaluru.

The Indo-French MT-1 satellite was launched in 2011 for carrying out tropical weather and climate studies. Since August 2022, the satellite's perigee was progressively lowered through a series of 20 manoeuvres spending about 120 kg fuel.

All manoeuvre plans were screened to ensure that there would be no post manoeuvre close approaches with other space objects, especially with the crewed space stations, the ISRO said.

On Women's Day, Kerala CM lays stress on total digital literacy

**The Hindu Bureau
THIRUVANANTHAPURAM**

The goal of total digital literacy for women can be achieved through the Women and Child Development Department's Digital Padhasala project, Chief Minister Pinarayi Vijayan has said. He was inaugurating the International Women's Day celebrations organised by the Women and Child Development Department on Wednesday.



Championing a cause: Pinarayi Vijayan with the winners of the Varadachari awards in Thiruvananthapuram. SPECIAL ARRANGEMENT

He said the theme of this year's Women's Day is 'Digital Empowerment and Technology for Gender Equality'. It is a project to use digital platforms such as smart phones, social media, online banking and so on in their everyday life.

The Chief Minister said the project is intended to assist women to use digital platforms such as smart phones, social media, online banking and so on in their everyday life. He said the theme of this year's Women's Day is 'Digital Empowerment and Technology for Gender Equality'. It is a project to use digital platforms such as smart phones, social media, online banking and so on in their everyday life.

NASA hands over NISAR satellite to ISRO

The Hindu Bureau

BENGALURU

The Indian Space Research Organisation (ISRO) has received the NASA-ISRO SAR (NISAR) satellite from the U.S. space agency. NISAR is a Low Earth Orbit observatory jointly developed by NASA and ISRO.

According to ISRO, NISAR will map the entire globe in 12 days and provide spatially and temporally consistent data for understanding changes in Earth's ecosystems, ice mass, vegetation biomass, sea level rise, groundwater and natural hazards, including earthquakes, tsunamis, volcanoes and



NASA-ISRO SAR satellite being unloaded from an aircraft on Wednesday. @USANDCHENNAI/TWITTER

landslides.

NISAR carries L and S dual-band Synthetic Aperture Radar (SAR), which


operates with the Sweep SAR technique to achieve large swaths with high-resolution data. The SAR

payloads mounted on Integrated Radar Instrument Structure (IRIS) and the spacecraft bus are together called an observatory.

Last month, NASA said since early 2021, engineers and technicians at Jet Propulsion Laboratory (JPL) in Southern California have been integrating and testing NISAR's two radar systems – the L-band SAR provided by JPL and the S-band SAR built by ISRO.

The final integration of the satellite will be carried out at the U.R. Rao Satellite Centre in Bengaluru, and ISRO is looking to launch the satellite in 2024 from Satish Dhawan Space Centre in Sriharikota.

NISAR will be the first radar of its kind in space to systematically map Earth, using two different radar frequencies (L-band and S-band) to measure changes in our planet's surface less than a centimeter across.



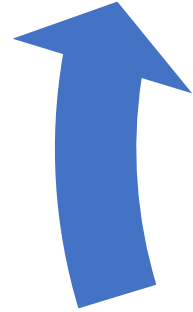
NISAR अंतरिक्ष में अपनी तरह का पहला राडार होगा जो व्यवस्थित रूप से पृथ्वी का मानचित्रण करेगा, दो अलग-अलग राडार आवृत्तियों (L-बैंड और S-बैंड) का उपयोग करके हमारे ग्रह की सतह में एक सेंटीमीटर से भी कम परिवर्तन को मापने के लिए।

- NISAR has been built by space agencies of the US and India under a partnership agreement signed in 2014.
- It is expected to be launched in January 2024 from Satish Dhawan Space Centre into a **near-polar orbit**.
- The satellite will operate **for a minimum of three years**.
- It is a **Low Earth Orbit (LEO)** observatory.
- NISAR will **map the entire globe in 12 days**.

- NISAR को 2014 में हस्ताक्षरित एक साझेदारी समझौते के तहत अमेरिका और भारत की अंतरिक्ष एजेंसियों द्वारा बनाया गया है।
- इसके जनवरी 2024 में सतीश धवन अंतरिक्ष केंद्र से निकट-ध्रुवीय कक्षा में लॉन्च किए जाने की उम्मीद है।
- उपग्रह कम से कम तीन वर्षों तक काम करेगा।
- यह एक लो अर्थ ऑर्बिट (LEO) वेधशाला है।
- निसार 12 दिनों में पूरे ग्लोब का मानचित्रण करेगा।

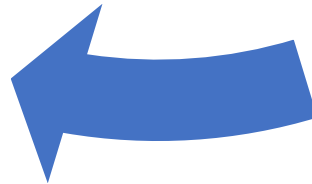
Agriculture:

What are the
Expected
Benefits of
NISAR?



**Disaster
Management**

Earth Science



IN BRIEF



Active COVID-19 cases cross the 3,000-mark after 67 days

India saw a single-day rise of 326 fresh coronavirus cases, while the active cases crossed the 3,000-mark after 67 days, according to Union Health Ministry data updated on Wednesday. The country's COVID-19 death toll stands at 5,30,778, while the active cases increased to 3,076, the data updated at 8 a.m. stated. The infection tally reached 4,46,88,693. The active cases now comprise 0.01% of the total infections, while the national COVID-19 recovery rate has been recorded at 98.8%, according to the Health Ministry website. The number of people who has recuperated from the disease surged to 4,41,54,842, while the case fatality rate was recorded at 1.19%. —

Helicopter makes emergency landing off Mumbai: Navy

An Indian Navy Advanced Light Helicopter (ALH), on a routine sortie with three personnel on board, made an emergency landing off the coast of Mumbai on Wednesday, an official said. The crew was rescued by a naval patrol aircraft, the official added. "Indian Navy ALH on a routine sortie off Mumbai ditched close to the coast. Immediate search and rescue ensured the safe recovery of the crew of three by a naval patrol aircraft," the official said. "Ditching" refers to an emergency landing on water. An inquiry into the incident has been ordered, the official added. —

NAFED to begin onion procurement in Gujarat

The National Agricultural Cooperative Marketing Federation of India (NAFED) will start the procurement of Kharif onion in Gujarat on Thursday from three mandis (markets) to provide relief to farmers, as prices have crashed in the wholesale markets, according to the Food and Consumer Affairs Ministry. NAFED will begin onion procurement from Bhavnagar, Gondal and Porbandar mandis in Gujarat from March 9. More centres will be opened from time to time as required, it said. "Farmers are requested to bring their good quality and dried stock to the procurement centres to avail better rates at these centres," the Ministry said. Payments to the farmers will be done online, it added. —

IIT-B students reject interim report on Dalit student's death

Abhinav Lakshman

NEW DELHI

The interim report released by the Indian Institute of Technology, Bombay concluding that the death of a Dalit student Anshuman Solanki, 18, was not caused by caste discrimination was "strongly rejected" by the Ambedkar Periyar Phule Study Circle (APFSC), a student body

on campus, in a public statement issued on Tuesday midnight.

The APFSC said that the report was a "haunting reminder of denial of justice", just as it was in the case of Aniket Ambhore's death, another Dalit student who died by suicide at the IIT Bombay in 2014.

And with student resentment building over the report, an Associate Pro-

fessor at the institute has now also spoken out on the issue, highlighting the "déjà vu". In an email on Tuesday night to all faculty on campus, the Associate Professor stated, "What does one do with our monochromatic denials—denials of institutional responsibility, of casteism, of racism—to take a hard look at ourselves and our campus culture?"

The students pointed out that the 12-member committee, was neither impartial, nor did it show "any marked competence" in investigation by appointing an external member.

JEE score The students questioned how the panel had linked his interest to academics based on JEE Ranks, asking, "Is the committee not

aware that JEE scores form the basis for discrimination in IITs?"

The student body called the interim report "the most unscientific document" and asked that they had a right to dissent, no subject matter expert was consulted, disregarded his sister's statement, and did not consider possibility of implicit discrimination.

gauge their validity and reliability. It also shed that the panel had no external member, the representation of SC/ST members was less than 50%, students on the panel were not told that they had a right to dissent, no subject matter expert was consulted, disregarded his sister's statement, and did not consider possibility of implicit discrimination.

A move from within to close the gender gap in physics

SPECIAL

Yasudevan Mukundh
CHENNAI

More than 500 practitioners and students of physics have endorsed the Hyderabad Charter to address and resolve gender gaps in physics education and research in India as of International Women's Day this year. They include prominent researchers like Anand Lal Bhattacharya, So-mak Raychaudhary, Chayanika Shah, and Ashoke Sen.

The Hyderabad Charter was drafted by the Gender in Physics Working Group of the Indian Physics Association. In 2019, during a national interdisciplinary conference organised at the University of Hyderabad, attended by physicists, sociologists, policy-makers, educationists and

government officials.

The charter has 10 guiding principles and 29 recommendations to physics departments, institutes, physics teachers, conference organisers and national agencies.

Introspection

The endorsements mark "a major shift because it shows that physicists of all persuasions are finally acknowledging that the barriers to gender equity are within physics itself, we need to stop fixing the women and dismantle the systemic structural barriers instead", Prayal Shastri, said in an email. "There are no more excuses for inaction within our institutions."

The charter notes that despite women winning half of the INSPIRE fellowships for physics, "the frac-



Shaved fractions: The number of women in physics dwindles as they move higher up the research field. R.K. MATH

tion of women with Ph.D.s is 20%, far less than in biology. That fraction plummets to 10% and lower in the elite research institutions, in leadership positions and in honours lists."

According to Bias Watch India, an initiative by researchers Vaishnavi Ananthanarayanan and Shruti

and Astrophysics, Tata Institute of Fundamental Research, Mumbai, said.

The Working Group consisted of six working scientists and was led by Dr. Shastri, Emeritus Professor at the Raman Research Institute, Bengaluru. She created the Working Group in 2016. "The charter is not really meant to be adapted as a whole by different institutions," Dr. Shastri said. "It is meant to start conversations and actions fine-tuned to their particular situation in the spirit of the charter."

At previous meetings of the group and other similar international events, women in physics in India have said systemic biases in academic publishing, gender-based discrimination, sexual harassment, lack of punishment for those guilty of misconduct, lack of interest among male peers and other is-

ssues are responsible for their dismal representation.

"There is already under-representation of all marginalised communities at every stage of physics that in itself propagates existing bias," Aravika Dey, a Ph.D. student at the Indian Institute of Astrophysics, Bengaluru, and signatory to the Hyderabad Charter, said. "Transparent hiring procedures and institutions investing in diversity officers would go a long way to redress that."

The charter's recommendations include "self-declaration of sexual misconduct in advertisements for staff applications", mandatory and preferably subsidised child-care facilities, a sociology course on social processes in science practice [as] part of the graduate physics curriculum", and the use of blind and explicit hiring criteria.

Assam, Maharashtra arrive at a plan to promote tourism

Trying to promote the State as a hub for film-making, Assam officials say there was a 51% and a 763% growth in the inflow of domestic and foreign tourists, respectively, in 2022 from 2021 figures

The Hindu Bureau

CHENNAI

Assam recorded a growth of 763% in foreign tourist inflow and 51% in domestic tourist arrival in 2022 from the 2021 figures, officials said at an event in Mumbai to promote the State as a film tourism-friendly State.

An agreement was signed between the Assam Tourism Development Corporation and the Maharashtra Tourism Development Corporation for the cross-promotion of tourism during the event organised on Monday to promote the State as a film tourism-friendly destination for film-making, apart from leisure, ad-



Vying for eyeballs: A Sattriya dance recital at an event to promote tourism in Mumbai on Monday. APJACK/ASSOCIATED

venture and wildlife.

"Assam's tourism sector recorded a 51% and a 763% growth in the inflow of domestic and foreign tourists, respectively, in 2022 compared to 2021, according to January 2023

data," Assam Tourism Secretary Kumar Padmapani Bora said. "In our New Tourism Policy, a special focus is on Assam, respectively, in 2022 compared to 2021, according to January 2023

ism. We are going to implement the policy aggressively and promote Assam as the ultimate film tourism destination," he said. Participating in the event, Assam's Tourism Minister Saranta Mallik Bora said the State government had been putting in a lot of effort into making Assam the most film tourism-friendly State. "We shall be providing necessary support to attract filmmakers," he said. Tourism and business-related travel have made the Lokaputra Gopinath Bardoloi International Airport, respectively, one of the busiest in the country, aviation officials said.

Vision screening critical to National Road Safety Plan

Maltri Porceddu

NEW DELHI

With the Supreme Court-appointed Committee on Road Safety observing that there are 1.5 lakh annual deaths due to road crashes, leading eye health organisations are now calling for the inclusion of vision checkups for drivers in the National Road Safety Plan.

While the package of preventive measures in the plan include wearing seat belts, reducing speed, road and intersection design and not overloading, there are first-time mentions to include vision correction activities for drivers of commercial vehicles. In the plan, say leading non-profit in the eye healthcare space.

Huge challenge

Four non-profits - VisionSpring, India Vision Institute (IVI), Sight Savers India, and Mission for Vision - have screened up to 13.55 lakh commercial vehicle drivers, helpers, cleaners, mechanics and other transport workers.

"Providing eye health services to a floating population in a sustainable manner is a huge challenge and there is a need to build eye care infrastructure in the present," said in a joint statement.

The IVI screened 1.8 lakh commercial vehicle drivers and allied staff and



About 24% of the 1.8 lakh drivers screened would require distant objects.

found that nearly half of those requiring spectacles were commercial vehicles, and over 2% had refractive errors in the eye healthcare space.

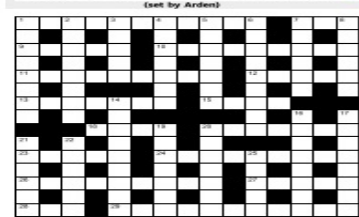
"Mission for Vision's research among truckers shows that 45.8% had a refractive error, among whom 39.1% required correction for both near and distance vision in at least one eye," its CEO, Elizabeth Kurian, said.

While the Health Ministry has endorsed the move, it is now up to the Road Transport and Highways Ministry to include regular vision screening in road safety activities. At present, vision check-up camps organised by the latter are not a mandatory activity, a senior official of the Ministry said.

THE CROSSWORD

To solve this puzzle online, get access to our crossword site at: <https://qzoo.puzzles.hk.jp/>

SCAN TO PLAY



- Across
- Cryptic clue - attends to one who is young at heart (13)
 - It's worn on top of the head but can go under the feet when turned around (3)
 - Top meet, no starter (5)
 - Six in list refused - will accept nothing but a musician (9)
 - Study on wear - transforming by to pH (9)

- Down
- A line around midfield means playing the field (8)
 - Single one in Paris - united in support (5)
 - Approximately under top of true trunk (5)
 - Every sleeping one with the queen in a get (7)
 - Hertz and Ampere perhaps say on me strongly (7)
 - Flowing yet sticky, what is it? (8)
 - Attempt to collect one pound - it often goes to one's head (9)
 - Service mats, take home (6)
 - Last one was in front, now back with us - is sacrifice beginning to flower? (5)
 - Reminds object is not much valued (8)
 - Ex President exposed - truth is man made (10)
 - Spirit of weekend, a country follows (7)
 - Ape's got a small rank (7)
 - Entry permit rejected, takes a second for a writer (6)
 - Fish relocated night into the water is Rhine (6)
 - Reverses copy in between lines (5)

SUDOKU



FAITH

Lord Varadaraja described

When Brahma completed the Asvamedha yaga in Kanchi, Lord Varadaraja came out of the sacrificial fire and was hailed by devas and Nityasuris. They praised Him as the One who goes on processions in His vahana as the elephant, horse and the chariot. He is a granter of boons and the only One who can confer moksha. The celestials and Nityasuris recalled His kindness in saving the elephant Gajendra, when his foot was grabbed by a crocodile.

In His 'Mei Viratha Manmayam', Vedanta Desika describes Lord Varadaraja's magnificent appearance. His elaborate description covers every aspect of the Lord's divine form, from His head to His feet, said T. J. Arasa of the charitar, in a discourse. Lord Varadaraja's crown shines like the Sun, says Desika. His face, however, is cool like the Moon. He wears makaras in His ears which are ornaments shaped like fish. These ornaments appear like two deities facing each other, ready to do battle. These are the abode of Mahalakshmi. In His stomach, cetana (sentient) and acetana (non-sentient) are housed during the great deluge. His feet are the refuge of everyone. He is an oasis in the vast desert of samsara. He resides on Hastigiri, but is Himself like a huge mountain exerting pressure on Hastigiri. He is the brilliant light that expels the darkness of ignorance. He is the One sought by Brahma. He is the antaryami present in everyone. He is the nectar which His devotees want. When the ocean was churned, the devas wanted the nectar that came from it. But His devotees do not seek this nectar. Desika makes it clear that to His bhaktas, He alone is the nectar which is desirable. He is worshipped by the Vedas. Of such greatness is the Lord of Hastigiri.

'Vision screening critical to National Road Safety Plan' ✓

Maitri Porecha ✓

NEW DELHI

With the Supreme Court-appointed Committee on Road Safety observing that there are 1.5 lakh annual deaths due to road crashes, leading eye health organisations are now calling for the inclusion of vision check-ups for drivers in the National Road Safety Plan.

While the package of preventive measures in the plan include wearing seat belts, reducing speed, road and intersection design, and not overloading, there is an urgent need to include vision correction activities for drivers of commercial vehicles in the plan, say leading non-profits in the eye healthcare space.



About 24% of the 1.8 lakh drivers screened had trouble seeing distant objects.

found that nearly half of those requiring spectacles were first-time wearers, Vinod Daniel, CEO of IVI, said. "24% had trouble seeing distant objects, and over 2% had refractive errors over 2D, thus severely compromising their distance vision," he added.

Huge challenge

Four non-profits – VisionSpring, India Vision Institute (IVI), Sightsavers India, and Mission for Vision – have screened up to 13.55 lakh commercial vehicle drivers, helpers, cleaners, mechanics and other transport workers.

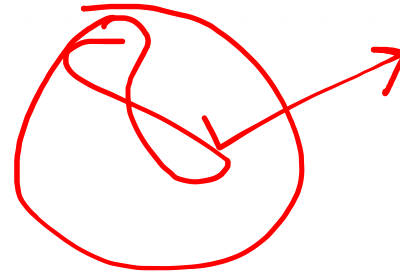
"Providing eye health services to a floating population in a sustainable manner is a huge challenge and there is a need to build eye screenings into the National Road Safety Plan," they said in a joint statement.

The IVI screened 1.8 lakh commercial vehicle drivers and allied staff and

vision," he added.

"Mission for Vision's research among truckers shows that 45.8% had a refractive error, among whom 39.1% required correction for both near and distance vision in at least one eye," its CEO, Elizabeth Kurian, said.

While the Health Ministry has endorsed the move, it is now up to the Road Transport and Highways Ministry to include regular vision screening in its road safety activities. At present, eye check-up camps organised by the latter are more of a one-off activity, a senior official of the Ministry said.



जीवन पूरा कर चुके उपग्रह की वापसी आज

जनसत्ता ब्यूरो
नई दिल्ली, 6 मार्च।



भारतीय अंतरिक्ष अनुसंधान संगठन (इसरो) अपना जीवनकाल पूरा कर चुके मेघा ट्रापिक्स-1 (एमटी1) उपग्रह को सात मार्च को पृथ्वी की निचली कक्षा में पुनः प्रवेश कराने के चुनौतीपूर्ण अभियान को अंजाम देने की तैयारी कर रहा है। पृथ्वी के वायुमंडल में प्रवेश कराने के बाद इस उपग्रह को प्रशांत महासागर में गिराया जाएगा।

इसरो और फ्रांसीसी अंतरिक्ष एजेंसी सीएनईसी ने उष्णकटिबंधीय मौसम और जलवायु अध्ययन के लिए 12 अक्टूबर 2011 को संयुक्त रूप से एमटी1 का प्रक्षेपण किया था। बंगलुरु स्थित अंतरिक्ष एजेंसी ने रविवार को कहा कि इस उपग्रह



1,000 किलोग्राम वजनी इस उपग्रह में तकरीबन 125 किलोग्राम ईंधन बचा है, जिससे इसके दुर्घटनावश टूटने का खतरा पैदा हो सकता है।

का जीवनकाल मूल रूप से तीन साल का था, लेकिन यह 2021 तक क्षेत्रीय और वैश्विक जलवायु माडल के साथ एक दशक से अधिक समय तक अहम डेटा सेवाएं उपलब्ध कराता रहा।

बयान के अनुसार, नियंत्रित तरीक से इसे पृथ्वी के वायुमंडल में एक सुरक्षित क्षेत्र में पुनः प्रवेश कराया जाएगा। करीब 1,000 किलोग्राम वजनी इस उपग्रह में तकरीबन 125 किलोग्राम ईंधन बचा है जिससे इसके दुर्घटनावश टूटने का खतरा पैदा हो सकता है। आम तौर पर बड़े उपग्रह/राकेट को पुनः प्रवेश नियंत्रित तरीके से कराया जाता है ताकि जमीन पर किसी के हताहत होने का जोखिम सीमित किया जा सके। इस उपग्रह को गिराने के लिए प्रशांत महासागर में एक निर्जन स्थान को चुना गया है। इसरो की ओर से दी गई जानकारी के अनुसार, अगर इस उपग्रह को इसी कक्षा में छोड़ दिया जाए, तो यह 100 साल से अधिक काल तक धरती की कक्षा में चक्कर काटता रहेगा।



Odisha reports 542 forest fires in last
7 days, highest in India: FSI

- **Causes of a Forest fire:**

- **Natural:** Such as **lightning**, high atmospheric temperatures, and dryness (low humidity) offer favourable circumstances.
- **Man-made:** When a source of fire like naked flame, cigarette, or bidi comes into contact with inflammable material.
-
- जंगल में आग लगने के कारण:
- प्राकृतिक: जैसे बिजली, उच्च वायुमंडलीय तापमान, और सूखापन (कम आर्द्रता) अनुकूल परिस्थितियों की पेशकश करते हैं।
- मानव निर्मित: जब आग का कोई स्रोत जैसे नंगी लौ, सिगरेट, या बीड़ी ज्वलनशील सामग्री के संपर्क में आती है।

- **Vulnerability:**

- ~65% of Indian forests are prone to occasional/frequent forest fire events.
- **Odisha, Madhya Pradesh, and Chhattisgarh** were the most impacted states and **Gadchiroli, Kandhamal, and Bijapur** were the most impacted districts.
- The youngest mountain ranges of the **Himalayas**/chir (Pine) forests (Western > Eastern as E. Himalayas grow in high rain density) are the most vulnerable stretches of the world.

- भेद्यता:

- ~65% भारतीय वनों में कभी-कभी/लगातार जंगल में आग लगने की संभावना होती है।
- ओडिशा, मध्य प्रदेश और छत्तीसगढ़ सबसे अधिक प्रभावित राज्य थे और गढ़चिरौली, कंधमाल, और बीजापुर सबसे अधिक प्रभावित जिले थे।
- हिमालय की सबसे नई पर्वत श्रृंखला/चीर (पाइन) के जंगल (पश्चिमी > पूर्वी के रूप में पूर्वी हिमालय उच्च वर्षा घनत्व में उगते हैं) दुनिया के सबसे कमजोर हिस्से हैं।

- There has been a **10-fold increase** in forest fire incidences in the last two decades.
- According to the MoEFCC, the country **reported 3,45,989 forest fire** incidents during (Nov 2020 and June 2021) and the state of Odisha reported **51,968** – the highest in India.

पिछले दो दशकों में जंगल में आग लगने की घटनाओं में 10 गुना वृद्धि हुई है।

MoEFCC के अनुसार, देश ने (नवंबर 2020 और जून 2021) के दौरान 3,45,989 जंगल में आग की घटनाओं की सूचना दी और ओडिशा राज्य ने 51,968 की सूचना दी - जो भारत में सबसे अधिक है।

- **Preparedness and mitigation measures:** Forest fires are usually **seasonal**. Hence, fires can be prevented in the summer –
- Through the removal of forest litter all along the forest boundary ("**Forest Fire Line**").
- **By creating firebreaks/** ditches in the forests.
- **The FSI is using satellite imaging technology –**
 - To set up fire alert systems (**MODIS, SNPP**) and analyse fire-affected forest areas
 - To better understand the ecology of forest fires for restoration and fire prevention efforts

- भेद्यता:
- ~65% भारतीय वनों में कभी-कभी/लगातार जंगल में आग लगने की संभावना होती है।
- ओडिशा, मध्य प्रदेश और छत्तीसगढ़ सबसे अधिक प्रभावित राज्य थे और गढ़चिरौली, कंधमाल, और बीजापुर सबसे अधिक प्रभावित जिले थे।
- हिमालय की सबसे नई पर्वत श्रृंखला/चीर (पाइन) के जंगल (पश्चिमी > पूर्वी के रूप में पूर्वी हिमालय उच्च वर्षा घनत्व में उगते हैं) दुनिया के सबसे कमजोर हिस्से हैं।

Indian Diaspora: The roots of global success

भारतीय प्रवासी: वैश्विक सफलता की जड़ें

Area	Contribution	Examples
Technology ✓	Played a crucial role in the development of Silicon Valley	Sundar Pichai, CEO of Google, Satya Nadella, CEO of Microsoft
Medicine ✓	Leading medical practitioners, researchers, and academics	Dr Sanjay Gupta, CNN's Chief Medical Correspondent, Dr Siddhartha Mukherjee, Pulitzer Prize-winning author
Entrepreneurship ✓	Founders of successful startups and businesses	Vinod Khosla, co-founder of Sun Microsystems, Shantanu Narayen, CEO of Adobe, Indra Nooyi, former CEO of PepsiCo
Arts ✓	Achieved global recognition for their creative works	Mira Nair, film director, Ravi Shankar, musician, Padma Lakshmi, model, actress and author
Literature ✓	Award-winning authors, poets, and academics	Salman Rushdie, Booker Prize-winning author, Jhumpa Lahiri, Pulitzer Prize-winning author, Amitav Ghosh, literary critic and novelist
Politics ✓	Elected officials and influential policymakers	Rishi Sunak (UK Prime Minister), Kamala Harris, Vice President of the United States, Nikki Haley, former Governor of South Carolina, Ami Bera, Congressman from California

- **Reasons behind this:**

- **Education**: Indians place a strong emphasis on education, and many Indian leaders have received top-notch education from prestigious institutions around the world
- **Diversity**: This diversity has helped Indian leaders develop a **broad perspective and a deep understanding of global issues.**

- इसके पीछे कारण:
- शिक्षा: भारतीय शिक्षा पर बहुत जोर देते हैं, और कई भारतीय नेताओं ने दुनिया भर के प्रतिष्ठित संस्थानों से उच्च शिक्षा प्राप्त की है
- विविधता: इस विविधता ने भारतीय नेताओं को व्यापक परिप्रेक्ष्य और वैश्विक मुद्दों की गहरी समझ विकसित करने में मदद की है।

-
- **Work Ethic**
 - **Networking:** Indians have a strong **network both within and outside the country,**
 - **Multilingual:** **Many Indians are multilingual,** which has helped them communicate effectively with people from different countries and cultures.
-
- कार्य नीति
 - नेटवर्किंग: भारतीयों के पास देश के भीतर और बाहर दोनों जगह एक मजबूत नेटवर्क है,
 - बहुभाषी: कई भारतीय बहुभाषी हैं, जिसने उन्हें विभिन्न देशों और संस्कृतियों के लोगों के साथ प्रभावी ढंग से संवाद करने में मदद की है।

- **Implications of its people having top leadership positions in global organizations for India:**

- Increased Global Influence
 - **Reduce asymmetric information** and thus improve global engagement with India.
 - Improved Reputation
-
- भारत के लिए वैश्विक संगठनों में शीर्ष नेतृत्व के पदों पर इसके लोगों के निहितार्थ:
 - वैश्विक प्रभाव बढ़ा
 - विषम जानकारी को कम करें और इस प्रकार भारत के साथ वैश्विक जुड़ाव में सुधार करें।
 - बेहतर प्रतिष्ठा

Economic
Benefits

Access to
Information

Capacity
Building

National
Pride

आर्थिक लाभ

जानकारी
हासिल करो

क्षमता
निर्माण

राष्ट्रीय गौरव

A close-up photograph of a person's hands holding a lit diya (oil lamp). The hands are adorned with henna and jewelry. The background is a red and gold patterned garment. The text "Rashsundari Devi" and "Source: IE" is overlaid on the image.

Rashsundari Devi

Source: IE

Rashsundari Devi's "Amar Jiban" (My Life) is the **first full-scale autobiography** written by an Indian woman, published in 1876. Rashsundari was an upper-caste Bengali woman who had no formal education and was not allowed to learn to read. However, at the age of 25, she taught herself to read in secret.

Her book was an **act of rebellion against social norms** and a means to understand what women of the 19th century were thinking about their everyday lives.

रशसुंदरी देवी की "अमर जीवन" (माई लाइफ) एक भारतीय महिला द्वारा लिखी गई पहली पूर्ण-स्तरीय आत्मकथा है, जो 1876 में प्रकाशित हुई थी। राससुंदरी एक उच्च जाति की बंगाली महिला थीं, जिनके पास कोई औपचारिक शिक्षा नहीं थी और उन्हें पढ़ना सीखने की अनुमति नहीं थी। हालाँकि, 25 साल की उम्र में, उसने खुद को गुप्त रूप से पढ़ना सिखाया।


उनकी पुस्तक सामाजिक मानदंडों के खिलाफ विद्रोह का एक कार्य थी और यह समझने का एक साधन थी कि 19वीं शताब्दी की महिलाएं अपने दैनिक जीवन के बारे में क्या सोच रही थीं।

The background is a dark gray surface covered with numerous colorful splatters and dots in shades of red, orange, blue, green, and purple. A thin white rectangular border is centered on the image, enclosing the text.

Attukal Pongala

Source: The Hindu

The Attukal Pongala falls on the **ninth day of the annual ten-day festival at the Attukal Bhagavathy Temple, Thiruvananthapuram.**



It is one of the **world's largest gatherings of women.**



अटुकल पोंगाला, तिरुवनंतपुरम के अटुकल भगवती मंदिर में वार्षिक दस दिवसीय उत्सव के नौवें दिन पड़ता है।



यह महिलाओं के दुनिया के सबसे बड़े जमावड़ों में से एक है।

- **About Pongala:**

- Pongala is a **ten-day-long festival of Attukal Bhagavathy Temple**.
- The festival commences with the **musical rendering of the story of the Goddess** (Kannaki Charitam) during the “Kappu Kettu ceremony”.
- The story invokes the presence of **Kodungallur Bhagavathy and the slaying of the Pandyan King**. This festival commemorates the **victory of Good over Evil, by the slaying of the Pandyan King**.

- पोंगाला के बारे में:

- पोंगाला अट्टुकल भगवती मंदिर का दस दिनों तक चलने वाला उत्सव है।
- उत्सव की शुरुआत "कप्पु केट्टु समारोह" के दौरान देवी (कन्नकी चरितम) की कहानी के संगीतमय गायन के साथ होती है।
- कहानी कोडुंगल्लूर भगवती की उपस्थिति और पांडियन राजा की हत्या का आह्वान करती है। यह त्यौहार पांडियन राजा की हत्या करके बुराई पर अच्छाई की जीत की याद दिलाता है।





Special proteins to repair damaged heart cells

Source: [The Hindu](#)

क्षतिग्रस्त हृदय कोशिकाओं की मरम्मत के लिए विशेष
प्रोटीन स्रोत: द हिंदू

- A group of scientists, at the Indian Institute of Technology, Guwahati, has come up with a solution where healthy skin cells from an adult can be converted into heart cells using special proteins.
- **More about the technology:**
- According to scientists, converting cells from one form to another – a.k.a. cellular reprogramming – involves specific proteins, called transcription factors, that alter the “expression of genes within a cell and direct it to take on a new cellular identity”.
- भारतीय प्रौद्योगिकी संस्थान, गुवाहाटी में वैज्ञानिकों का एक समूह एक ऐसा समाधान लेकर आया है, जहां एक वयस्क की स्वस्थ त्वचा कोशिकाओं को विशेष प्रोटीन का उपयोग करके हृदय की कोशिकाओं में परिवर्तित किया जा सकता है।
- प्रौद्योगिकी के बारे में अधिक:
- वैज्ञानिकों के अनुसार, कोशिकाओं को एक रूप से दूसरे रूप में परिवर्तित करना - यानी सेलुलर रिप्रोग्रामिंग - में विशिष्ट प्रोटीन शामिल होते हैं, जिन्हें प्रतिलेखन कारक कहा जाता है, जो "कोशिका के भीतर जीन की अभिव्यक्ति को बदलते हैं और इसे एक नई सेलुलर पहचान लेने के लिए निर्देशित करते हैं"।

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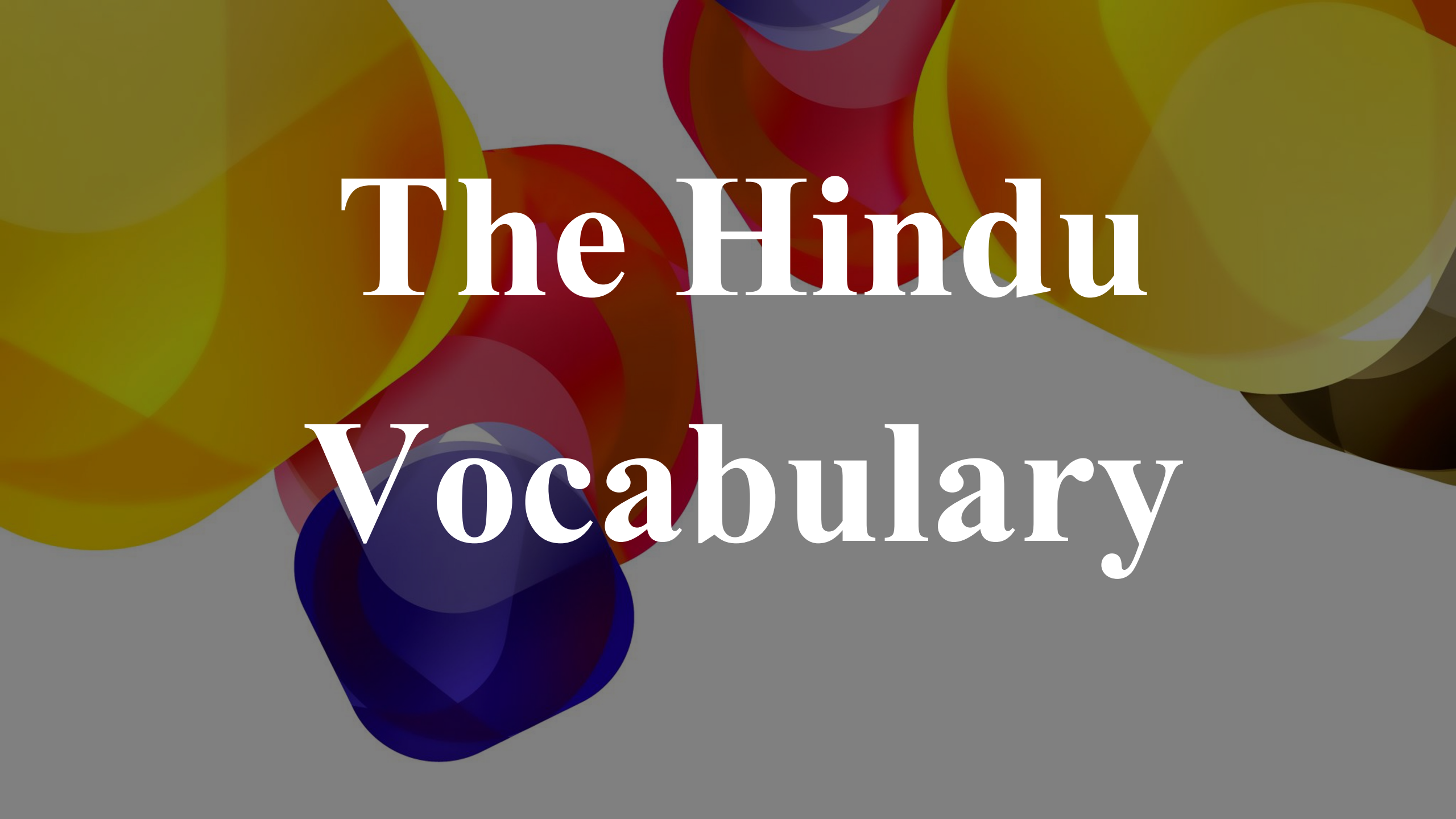
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The Hindu Vocabulary

OBNOXIOUS (ADJECTIVE):
(अप्रिय): unpleasant

Synonyms: disagreeable, nasty

Antonyms: delightful



Tandem (Noun): मलकर:



Doom and Gloom: निराशामय: a feeling or attitude that things are only getting worse; (A situation) characterized by negativity or futility.

Synonyms: ominous, threatening, menacing, sinister, inauspicious

Antonyms: positive attitude, cheer, and positiveness



Falter (Verb) : हिचक : lose strength or momentum; speak hesitantly

Synonyms: waver, vacillate, halt, stagger

Antonyms: decide, budge, plunge



Comply (Verb) : पालन करना : act in accordance with a wish or command

Synonyms: consent, defer, accede

Antonyms: disagree, differ, dissent, conflict



Tripura is bordered
by Assam and _____ to the east
and by Bangladesh to the north,
south and west?

- a) Mizoram
- b) Meghalaya
- c) Bangladesh
- d) Myanmar

त्रिपुरा की सीमा पूर्व में असम और _____ से
और उत्तर, दक्षिण और पश्चिम में बांग्लादेश से
लगती है?

मिजोरम

मेघालय

बांग्लादेश

म्यांमार

Which Indian Institute of Technology,,
has come up with a solution
where healthy skin cells from an
adult can be converted into heart
cells?

- a) Jodhpur
- b) Mumbai
- c) Delhi
- d) Guwahati ✓

कौन सा भारतीय प्रौद्योगिकी संस्थान, एक समाधान
के साथ आया है जहां एक वयस्क से स्वस्थ त्वचा
कोशिकाओं को हृदय कोशिकाओं में परिवर्तित
किया जा सकता है?

जोधपुर

मुंबई

दिल्ली

गुवाहाटी

Vinod Khosla is the Co-founder of which organization?

- a) Microsoft
- b) Google
- c) IBM
- d) Sun microsystem

विनोद कोशला किस संस्था के सह-संस्थापक हैं?

माइक्रोसॉफ्ट

गूगल

आईबीएम

सन माइक्रोसिस्टम

• How much % of Indian forests are prone to occasional/frequent forest fire events?

- A) 80
- B) 90
- C) 40
- D) 65 ✓

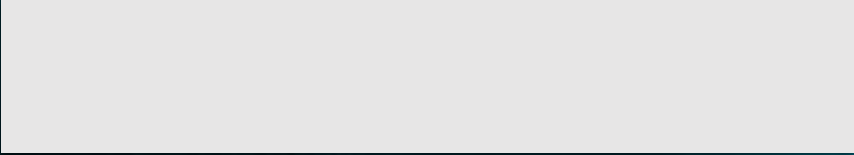
भारतीय वनों का कितना % कभी-कभी / बार-बार होने वाली वनाग्नि की घटनाओं के लिए प्रवण हैं?

ए) 80

बी) 90

सी) 40

डी) 65

- 
- Thank you .
 - See you tomorrow