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DISTANCE BETWEEN DREAM AND REALITY

07-10-2026





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Add :- 2nd floor EK Arcade near planetarium Kozhikode

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TODAY NEWS HIGHLIGHT

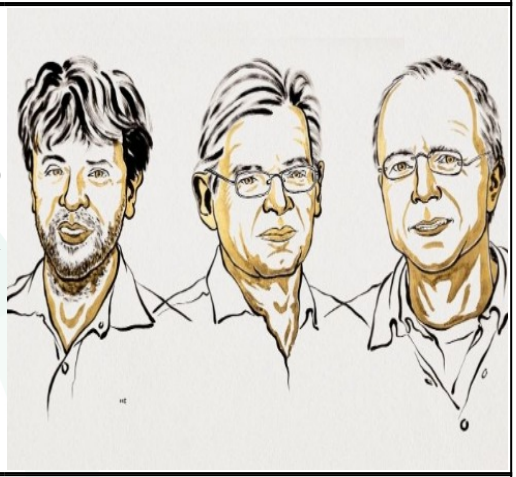
- Qatar prepares to host the 2030 Asian Games: Transfer of the OCA flag from Aichi-Nagoya to Doha
- The 2026 Nobel Prize in Medicine: Optogenetics and light-controlled ion channels revolutionize neuroscience
- Bhadohi renamed as 'Sant Ravidas Nagar Bhadohi': Administrative renaming, cultural heritage and local economy
- President's assent to Gujarat Uniform Civil Code Bill 2026: Important step towards Article 44 and Uniform Civil Code
- 19th Pravasi Bharatiya Divas 2027 in Kolkata: An opportunity to strengthen diplomatic and economic ties with the Indian diaspora
- Health security concerns from suspected plague infection in Russia: pneumonic plague, biosecurity and the importance of epidemic surveillance
- India's first 5.56 km free-space QKD demonstration: A significant milestone towards quantum-secure communication
- World Cotton Day: The strategic importance of cotton in India's agriculture, textile industry and rural economy

1. Qatar Prepares to Host the 2030 Asian Games: OCA Flag Handover from Aichi-Nagoya to Doha



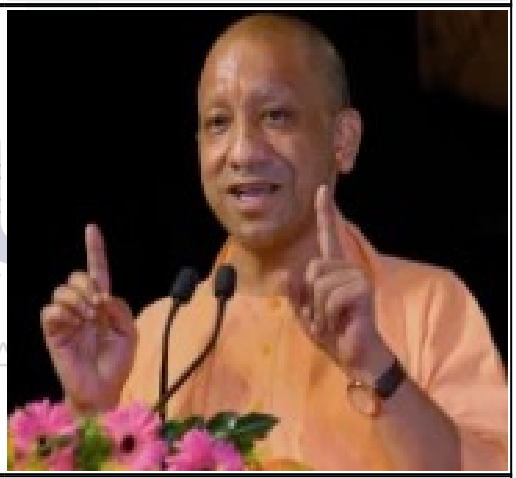
On October 4, 2026, the Olympic Council of Asia (OCA) flag was handed over to Qatar during the closing ceremony of the Nagoya Asian Games, marking a step forward in Doha's journey to host the 2030 Asian Games. Doha previously hosted the 15th Asian Games in 2006 and will host the event for the second time in 2030. During the event, Qatar unveiled the new identity and slogan for Doha 2030: "The Games We Live For." Doha's existing sports infrastructure and its experience hosting the 2022 FIFA World Cup demonstrate its capability to host major international sporting events.

2. 2026 Nobel Prize in Medicine: A New Revolution in Neuroscience through Optogenetics and Light-Controlled Ion Channels



The 2026 Nobel Prize in Physiology or Medicine was awarded to Karl Deisseroth, Peter Hegemann, and Georg Nagel for their contributions to light-controlled ion channels and optogenetics. Hegemann and Nagel studied the light-sensitive protein channelrhodopsin in the alga Chlamydomonas, while Deisseroth utilized it to control neurons using light. Optogenetics combines genetics and optical technology, enabling the study of brain functions by activating or silencing specific neurons.

3. Renaming Bhadohi to 'Sant Ravidas Nagar Bhadohi': Administrative Renaming, Cultural Heritage, and Local Economy



On October 4, 2026, the Uttar Pradesh government announced the renaming of Bhadohi district to 'Sant Ravidas Nagar Bhadohi,' aiming to honor the social and spiritual legacy of Sant Ravidas. Bhadohi district was carved out of Varanasi on June 30, 1994, becoming the 65th district of Uttar Pradesh, and is known for its historical and regional significance. Bhadohi is a major hub for carpets and handicrafts in India; its carpets hold the GI (Geographical Indication) tag, which helps preserve its unique regional identity.

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4. Presidential Assent for Gujarat Uniform Civil Code Bill, 2026: A Significant Step Towards Article 44 and Uniform Civil Laws



President Droupadi Murmu granted assent to the Gujarat Uniform Civil Code Bill, 2026, on September 17, 2026; the bill had been passed by the Gujarat Legislative Assembly on March 24, 2026. The Gujarat UCC proposes a uniform legal framework for civil matters such as marriage, divorce, succession, adoption, and live-in relationships. The constitutional basis for the Uniform Civil Code is Article 44, which places it under the Directive Principles of State Policy; under Article 37, it is not directly enforceable by the courts. The Gujarat UCC provides exemptions for Scheduled Tribes and certain groups receiving special protection under Part XXI of the Constitution.

5. 19th Pravasi Bharatiya Divas 2027 in Kolkata: An Opportunity to Strengthen Diplomatic and Economic Ties with the Indian Diaspora



The 19th Pravasi Bharatiya Divas Convention will be held in Kolkata from January 7–9, 2027, organized by the Ministry of External Affairs in collaboration with the Government of West Bengal. Pravasi Bharatiya Divas is celebrated annually on January 9 to commemorate Mahatma Gandhi's return to India from South Africa on January 9, 1915; the first convention took place in 2003. This convention serves as a platform to strengthen soft power, trade, investment, skills, technology, and cultural ties through the Indian diaspora community and will also feature a 'Youth PBD' component.

6. Health Security Concerns Over Suspected Plague Infection in Russia: The Importance of Pneumonic Plague, Biosafety, and Epidemic Surveillance



Following the death due to pneumonia of a female employee at an anti-plague research institute in Russia's Irkutsk region, approximately 197 people who had come into contact with her have been placed under medical surveillance. As it has not yet been confirmed that the death was caused by Yersinia pestis infection, the case is currently being treated as a suspected plague infection. Pneumonic plague affects the lungs and can spread through infectious respiratory droplets; the causative agent of the plague is the bacterium Yersinia pestis.

7. India's First 5.56 km Free-Space QKD Demonstration: A Significant Milestone Towards Quantum-Secure Communication



India successfully conducted its first demonstration of free-space Quantum Key Distribution (QKD) over a distance of 5.56 km between BISAG-N and IIT Gandhinagar, with collaboration from QNu Labs. The trial achieved a Quantum Bit Error Rate (QBER) of less than 5% and a secure key generation rate of 230–260 bits per second, while also demonstrating end-to-end secure communication. QKD utilizes the principles of quantum mechanics to facilitate the distribution of secure cryptographic keys and detect potential eavesdropping.

8. World Cotton Day: The Strategic Importance of Cotton in India's Agriculture, Textile Industry, and Rural Economy



World Cotton Day is observed annually on October 7 to raise awareness about the economic, social, and environmental significance of cotton, as well as the contributions of the farmers and workers associated with it. The initiative was spearheaded by the 'Cotton-4' nations of the WTO—Benin, Burkina Faso, Chad, and Mali—and subsequently recognized by the United Nations. In India, cotton is a major commercial crop directly linked to agriculture, the textile industry, rural employment, MSMEs, and exports.

1. Which city will host the 2030 Asian Games?

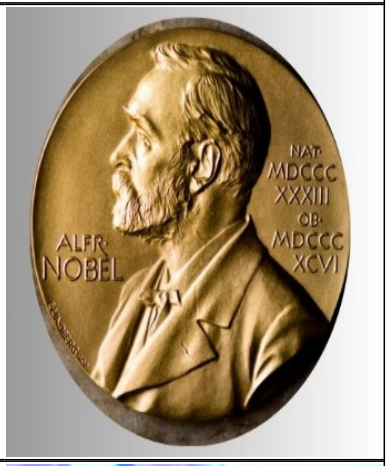
A - Riyadh
B - Doha
C - Tokyo
D - Abu Dhabi



The OCA flag was handed over to Qatar during the closing ceremony of the Nagoya Asian Games on October 4, 2026, marking the formal transition towards Doha hosting the 2030 Asian Games. Doha, which previously hosted the Asian Games in 2006, unveiled its new identity with the slogan "The Games We Live For" and highlighted its experience from the 2022 FIFA World Cup as a testament to its organizational capabilities.

2. Which scientists were awarded the 2026 Nobel Prize in Physiology or Medicine?

A - Karl Deisseroth, Peter Hegemann, and Georg Nagel
B - David Baker, Demis Hassabis, and John Jumper
C - Katalin Karikó and Drew Weissman
D - Svante Pääbo and David Julius



The 2026 Nobel Prize in Physiology or Medicine was awarded to Karl Deisseroth, Peter Hegemann, and Georg Nagel for their contributions to light-controlled ion channels and optogenetics. Optogenetics is a technique that uses light to activate or deactivate specific neurons, opening up new possibilities for studying the brain, memory, emotions, and behavior, as well as for developing neurological treatments.

3. What has Bhadohi district been renamed?

A - Sant Kabir Nagar Bhadohi
B - Sant Ravidas Nagar Bhadohi
C - Ravidas Dham Bhadohi
D - Sant Tulsi Nagar Bhadohi



On October 4, 2026, the Uttar Pradesh government announced the renaming of Bhadohi district to ‘Sant Ravidas Nagar Bhadohi’ to honor the social and spiritual legacy of Sant Ravidas. Bhadohi became the 65th district of Uttar Pradesh in 1994 and is renowned for its GI-tagged carpet industry, which boosts employment, exports, and the rural economy through the ODOP (One District One Product) scheme.

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4. Which Article provides the constitutional basis for the Uniform Civil Code?

A - Article 32
B - Article 37
C - Article 44
D - Article 51



On September 17, 2026, President Droupadi Murmu granted assent to the Gujarat Uniform Civil Code Bill, 2026, which proposes a uniform legal framework for marriage, divorce, succession, adoption, and live-in relationships. The constitutional basis for the UCC is Article 44; meanwhile, under Article 37, Directive Principles of State Policy are not directly enforceable by courts, and the Gujarat UCC provides exemptions for Scheduled Tribes and certain specially protected groups.

5. Where will the 19th Pravasi Bharatiya Divas Convention be held in 2027?

A - New Delhi
B - Mumbai
C - Kolkata
D - Jaipur

The 19th Pravasi Bharatiya Divas Convention will be held in Kolkata from January 7–9, 2027, in collaboration with the Ministry of External Affairs and the Government of West Bengal; its objective is to strengthen soft power, trade, investment, skills, and cultural ties through the Indian diaspora. Pravasi Bharatiya Divas is celebrated annually on January 9 to commemorate Mahatma Gandhi's return to India in 1915, and the Pravasi Bharatiya Samman Award is conferred by the President for outstanding contributions made by the Indian community abroad.

6. Which bacterium is the causative agent of the plague?

A - Escherichia coli
B - Yersinia pestis
C - Salmonella typhi
D - Vibrio cholerae



Approximately 197 contacts have been placed under medical surveillance following the death due to pneumonia of a female employee at an anti-plague institute in Russia's Irkutsk region, although *Yersinia pestis* infection has not yet been confirmed. Pneumonic plague can spread through respiratory droplets, and this case underscores the importance of 'One Health,' public health surveillance, and laboratory biosafety.

7. At what distance did India demonstrate free-space QKD?

A - 3.56 km
B - 4.56 km
C - 5.56 km
D - 6.56 km



India successfully demonstrated free-space QKD over a distance of 5.56 km between BISAG-N and IIT Gandhinagar, achieving a QBER of less than 5% and a secure key generation rate of 230–260 bits per second. This achievement marks a significant step towards quantum-secure communication, cybersecurity, and strategic technological self-reliance under the National Quantum Mission, which has an outlay of ₹6,003.65 crore.

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8. When is World Cotton Day observed every year?

A - 5 October
B - 7 October
C - 9 October
D - 10 October



World Cotton Day is observed annually on October 7 to raise awareness about the economic, social, and environmental importance of cotton, as well as the contributions of farmers and workers. In India, cotton forms a vital foundation for agriculture, the textile industry, employment, and exports; meanwhile, sustainable farming and modern technology are essential to address challenges such as climate change, pests, rising costs, and market volatility.

One Liner

1. Which three scientists received the 2026 Nobel Prize in Physiology or Medicine? - Karl Deisseroth, Peter Hegemann, and Georg Nagel

2. What is the name of the pathogenic bacterium involved in the suspected plague case in Russia? - Yersinia pestis

3. Which light-sensitive protein is used in optogenetics? - Channelrhodopsin

4. What is the allocated budget for the National Quantum Mission? - ₹6,003.65 crore

5. Where will the 19th Pravasi Bharatiya Divas Convention be held in 2027? - Kolkata, West Bengal

6. When is World Cotton Day observed every year? - October 7

7. At what distance did India conduct its first demonstration of free-space QKD? - 5.56 km

8. Which city will host the 2030 Asian Games? - Doha, Qatar

9. Which Article provides the constitutional basis for the Uniform Civil Code? - Article 44

10. What is the newly announced name of Bhadohi district? - Sant Ravidas Nagar Bhadohi