

1. Awards & Honors & International News

Nobel Prize 2026 in Physiology or Medicine Announced

The Nobel Assembly at Karolinska Institutet awarded the 2026 Nobel Prize in Physiology or Medicine jointly to **Karl Deisseroth** (USA), **Peter Hegemann** (Germany), and **Georg Nagel** (Germany) for their pioneering development of **Optogenetics**.

- **Scientific Breakthrough:** The laureates discovered and engineered light-gated ion channels (such as Channelrhodopsin derived from green algae). When expressed in specific neurons, these proteins act as light-driven switches, allowing scientists to turn individual brain circuits on or off using precise flashes of laser light.
- **Medical Impact:** Optogenetics has revolutionized neuroscience, enabling high-precision mapping of brain networks involved in Parkinson's disease, depression, addiction, and vision restoration therapies.

US Visa-Bond Pilot Programme

The United States Department of State introduced a new **Visa-Bond Pilot Program** covering 50 countries. Applicants for tourist and business visas (B-1/B-2) from specified nations must deposit refundable bonds ranging from \$5,000 to \$20,000.

- **Key Exam Note:** India is officially exempted from this bond requirement. Neighboring countries including Bangladesh, Bhutan, and Nepal are included on the list.

Maritime Security Crisis in Red Sea & Strait of Hormuz

India's Ministry of External Affairs (MEA) issued a strong condemnation following projectile attacks on commercial vessels transit

in the Bab el-Mandeb Strait and the Strait of Hormuz.

- **Incident Detail:** Panama-flagged vessel MT On Peace was hit near the Strait of Hormuz, injuring 11 Indian crew members who were safely evacuated to Khasab, Oman. India urged all parties to respect maritime rights under UNCLOS (UN Convention on the Law of the Sea).

Practice Question (Exam Special)

Q1. Who among the following scientists was NOT awarded the 2026 Nobel Prize in Physiology or Medicine for the development of optogenetics?

- (a) Karl Deisseroth
- (b) Peter Hegemann
- (c) Georg Nagel
- (d) Francis Halzen

Answer: (d) Francis Halzen (Francis Halzen was announced as the winner of the 2026 Nobel Prize in Physics).

2. National News

Launch of Nationwide 'Special Campaign 6.0'

The Union Government launched **Special Campaign 6.0** across all central ministries, departments, and attached offices, running from October 2 to October 31, 2026.

- **Nodal Department:** Department of Administrative Reforms and Public Grievances (DARPG).
- **Core Mandate:** Cleanliness (Swachhata) drive in government premises, disposal of pending Parliamentary references, public grievances, PMO references, state government references, and scrap disposal to free up office space.

Great Indian Bustard (GIB) Reintroduction Milestone

In a major biodiversity accomplishment under Project Bustard, captive-bred **Great Indian Bustards** raised at conservation breeding centers in Ramdevra and Sam (Jaisalmer) were successfully introduced into soft-release enclosures in the Thar Desert.

- Static GK:** Great Indian Bustard (*Ardeotis nigriceps*) is the state bird of Rajasthan, listed as **Critically Endangered** on the IUCN Red List, and included in **Schedule I** of India's Wildlife Protection Act, 1972.

Practice Question

Q2. What is the primary focus of 'Special Campaign 6.0' launched by the Government of India in October 2026?

- (a) Digital Literacy Drive in Rural Tribal Belts
- (b) Swachhata and Disposal of Pending Governance References
- (c) Registration of Unorganized Sector Workers on e-Shram
- (d) Promotion of Financial Inclusion for Micro Enterprises

Answer: (b) Swachhata and Disposal of Pending Governance References

3. Defense News

MoD Signs ₹661.50 Crore Contract for BrahMos Missile Systems

The Ministry of Defence (MoD) signed a contract worth **₹661.50 crore** with BrahMos Aerospace Private Limited (BAPL) in New Delhi under the **Buy (Indian-IDDM)** category.

Scope of Contract: Procurement of BrahMos Fire Control Systems (FCS) and Launchers for frontline warships of the Indian Navy.

- Indigenization Target:** Features a minimum of **68% indigenous content**, furthering the Atmanirbhar Bharat vision in naval strike armaments.
- Static GK:** BrahMos is a two-stage supersonic cruise missile (solid booster + liquid ramjet) developed jointly by India (DRDO) and Russia (NPO Mashinostroyeniya). Speed: Mach 2.8 – 3.0.

Practice Question

Q3. Under which procurement category was the ₹661.50 crore BrahMos agreement signed by the Ministry of Defence in October 2026?

- (a) Buy (Global-Manufacture in India)
- (b) Buy (Indian-IDDM)
- (c) Make-I (Government Funded)
- (d) Strategic Partnership Model

Answer: (b) Buy (Indian-IDDM - Indigenously Designed, Developed and Manufactured)

4. Economics & Banking

Topic	Core Highlight & Regulatory Aspect
Bank of Baroda	Became the second Public Sector Bank (after SBI) to receive regulatory clearance to sponsor its own Pension Fund company (<i>Baroda Pension Fund</i>).
UPI MDR GST Exemption Proposal	Former RBI Governor Dr. C. Rangarajan recommended to the GST Council that the proposed 0.4% Merchant Discount Rate (MDR) on UPI transactions above ₹2,000 should be exempted

Topic	Core Highlight & Regulatory Aspect
	from GST to maintain digital transaction momentum.
RBI Action on Urban Co-op Bank	RBI extended regulatory restrictions under Section 35A of the Banking Regulation Act, 1949 on Baghat Urban Co-operative Bank, Solan (Himachal Pradesh) till January 2027.

Practice Question

Q4. Which bank became the second Public Sector Bank in India to sponsor a Pension Fund?

- (a) Punjab National Bank
(b) Bank of Baroda
(c) Canara Bank
(d) Union Bank of India

Answer: (b) Bank of Baroda

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5. Government Schemes & MoUs

Tamil Nadu Allocates ₹812 Crore for 'Annan Seer' Scheme

The Tamil Nadu State Cabinet allocated **₹812 crore** for the rollout of the **Annan Seer Scheme**.

- Key Provisions:** Provides **8 grams (1 Sovereign)** of **24K gold** for the Thali (Mangalsutra) along with a traditional silk saree to eligible brides from low-income families.
- Exam Relevance:** Important social welfare initiative replacing/restructuring older marriage assistance schemes with direct gold procurement.

India-Norway Green Strategic Partnership Review

High-level bilateral talks between India and Norway focused on expanding maritime decarbonization, offshore wind turbine manufacturing, green hydrogen supply chains, and zero-emission shipping corridors.

6. Sports News

IOA Announces Inaugural Award Recipients

The Indian Olympic Association (IOA) named its first-ever awardees for two newly instituted sports honors following the Asian Games 2026:

- Jaspal Rana Award:** Awarded to archer **Kumkum Anil Mohod** for exceptional accuracy and medal tally.
- Raja Randhir Singh Award:** Awarded to wrestler **Sujeet Kalkal** for outstanding performance in freestyle wrestling.

International Olympiad on Astronomy & Astrophysics (IOAA 2026)

- Venue:** Hanoi, Vietnam.
- India's Tally:** The 5-member Indian student delegation delivered an outstanding performance, winning **4 Gold Medals and 1 Silver Medal**.

7. Key Appointments

- Michael Kremer:** Appointed as Chief Economist of the World Bank Group.
- Anup Bagchi:** Approved as MD & CEO of HDFC Bank (taking over October 27, 2026).
- Anup Kumar Saha:** Named MD & CEO of Kotak Mahindra Bank (effective January 2027).
- Suman Ray:** Took charge as Executive Director of the Reserve Bank of India (RBI).



8. Books & Authors

- **Book Title:** "PM Narendra Modi: 25 Years in Governance"
- **Subject Matter:** Published on October 6, 2026, chronicling a quarter-century of public administration, economic policy reforms, and institutional governance changes spanning Modi's tenure as Chief Minister of Gujarat (2001–2014) and Prime Minister of India (2014–present).

9. Important Days (National & International)

World Cerebral Palsy Day – October 6

- **Objective:** Observed annually on **October 6** to raise global awareness about cerebral palsy (CP), promote social inclusion, ensure equal access to infrastructure/education, and support affected individuals and caregivers.
- **Medical Context:** Cerebral palsy is a group of non-progressive motor disorders caused by damage to the developing brain before, during, or shortly after birth.

National Wildlife Week (October 2 – 8)

- **Context:** Celebrated across India during October 2–8 every year to coincide with Mahatma Gandhi's birth anniversary, emphasizing the preservation of indigenous flora and fauna.

10. Art, Culture & Festivals

Uma-Sanjhi Festival Commences at Mahakaleshwar Temple

The traditional 7-day **Uma-Sanjhi Festival 2026** commenced at the Mahakaleshwar Jyotirlinga Temple in **Ujjain, Madhya Pradesh** (running October 6 to 12).

- **Cultural Highlights:** Daily creation of traditional Sanjhi rangolis using flower petals and natural color powders, Hari Kirtan sessions at Mahakal Mahalok, and culminating in the ceremonial Uma Mata Sawari and jware immersion at Ram Ghat on the Kshipra river.

11. Birth & Death Anniversaries

Birth Anniversaries (October 6)

1. **Meghnad Saha (Born Oct 6, 1893):** Pioneer Indian astrophysicist who formulated the **Saha Ionization Equation**, establishing the relation between thermal ionization states of stellar elements and stellar spectra. Founded the Saha Institute of Nuclear Physics in Kolkata.
2. **Baba Buddha Ji (Born Oct 6, 1506):** Highly revered figure in early Sikh history; appointed the first Granthi of Harimandir Sahib (Golden Temple) by Guru Arjan Dev Ji.
3. **Vinod Khanna (Born Oct 6, 1946):** Acclaimed film personality, Member of Parliament from Gurdaspur, and former Union Minister of State for External Affairs.

Death Anniversaries (October 6)

1. **V. K. Krishna Menon (Died Oct 6, 1974):** Renowned nationalist leader, diplomat, key figure in drafting the Constitution's Preamble concepts, and Union Minister of Defence (1957–1962).
2. **Guru Har Rai Ji (Died Oct 6, 1661):** The **Seventh Sikh Guru**, noted for expanding healthcare dispensaries and preserving herbal medicinal gardens.
3. **Nana Saheb / Dhondu Pant (Died Oct 6, 1858):** Prominent military leader of the Indian Rebellion of 1857 who led the siege against British forces at Kanpur.

Q1. Who among the following has been awarded the 2026 Nobel Prize in Physics for contributions to the IceCube Neutrino Observatory?

- A) Syukuro Manabe
- B) Francis Halzen
- C) Anne L'Huillier
- D) Pierre Agostini

Answer: B

Explanation: Belgian particle physicist Francis Halzen was awarded the 2026 Nobel Prize in Physics for his leadership in constructing the IceCube Neutrino Observatory at the South Pole and discovering high-energy astrophysical neutrinos.

Q2. The 2026 Nobel Prize in Physiology or Medicine was awarded for groundbreaking research in which scientific field?

- A) mRNA Vaccine Technology
- B) Optogenetics and Light-Gated Ion Channels
- C) MicroRNA and Post-transcriptional Gene Regulation
- D) Peripheral Somatosensory Perception

Answer: B

Explanation: Karl Deisseroth, Peter Hegemann, and Georg Nagel won the 2026 Medicine Nobel for discovering light-gated ion channels and founding optogenetics—a technique using light to control nerve cells.

Q3. Which Indian Defense System was recently exported to Central Asian nations Tajikistan and Turkmenistan?

- A) Pinaka Multi-Barrel Rocket Launcher

- B) BrahMos Supersonic Cruise Missile
- C) Akash Air Defence System
- D) Nag Anti-Tank Guided Missile

Answer: C

Explanation: Defense Secretary Rajesh Kumar Singh confirmed the export of India's indigenous Akash surface-to-air missile (SAM) system to Tajikistan and Turkmenistan.

Q4. What distance was achieved in India's first successful free-space Quantum Key Distribution (QKD) demonstration between BISAG-N and IIT Gandhinagar?

- A) 2.10 km
- B) 5.56 km
- C) 10.25 km
- D) 15.00 km

Answer: B

Explanation: QNu Labs, alongside BISAG-N and IIT Gandhinagar, established India's first free-space QKD link over a distance of 5.56 km.

Q5. Who has been approved by the RBI as the new MD & CEO of HDFC Bank, effective October 27, 2026?

- A) Sashidhar Jagdishan
- B) Anup Bagchi
- C) Sandeep Bakhshi
- D) Dinesh Kumar Khara

Answer: B

Explanation: Anup Bagchi was approved by the Reserve Bank of India to succeed as the MD & CEO of HDFC Bank starting October 27, 2026.

Q6. What is the real GDP growth rate projected for India in Q2 FY27 (July–Sept 2026) by the Ministry of Finance's Monthly Economic Review?

- A) 6.8%
- B) 7.1%
- C) 7.3%
- D) 7.8%

Answer: C

Explanation: The Finance Ministry's report projected India's Q2 FY27 real GDP growth at 7.3%, following a 7.8% growth in Q1 FY27.

Q7. Exercise 'Mountain Guardian 2026' is a high-altitude joint military exercise conducted at which location?

- A) Umroi, Meghalaya
- B) Chaubattia, Uttarakhand
- C) Mahajan, Rajasthan
- D) Pithoragarh, Uttarakhand

Answer: B

Explanation: Exercise Mountain Guardian 2026 began on October 5 at Chaubattia, Uttarakhand, focusing on tactical high-altitude warfare procedures.

Q8. Which state launched India's first 3D-concrete-printed housing project to accelerate affordable shelter development?

- A) Tamil Nadu
- B) Gujarat
- C) Andhra Pradesh
- D) Maharashtra

Answer: C

Explanation: Andhra Pradesh unveiled India's inaugural 3D-concrete-printed housing initiative using additive construction methods.

Q9. The Central Sector Scheme 'Rashtriya Vayoshri Yojana' (RVY) operates under which Union Ministry?

- A) Ministry of Health and Family Welfare
- B) Ministry of Social Justice and Empowerment
- C) Ministry of Rural Development
- D) Ministry of Housing and Urban Affairs

Answer: B

Explanation: Rashtriya Vayoshri Yojana is administered by the Ministry of Social Justice and Empowerment to supply physical aids and assistive living devices to senior citizens.

Q10. What is the name of the Post-Quantum Cryptography (PQC) platform developed by BISAG-N?

- A) Quantum Suraksha
- B) Vedic Kavach
- C) Cyber Rakshak
- D) Super Crypt

Answer: B

Explanation: BISAG-N developed the post-quantum cryptography platform named "Vedic Kavach" to protect sensitive communication protocols against quantum computing threats.

Q11. Which Department operates the citizen portal 'Chakshu' that recently reached 30 crore visits?

- A) Department of Financial Services

- B) Department of Telecommunications (DoT)
- C) Department of Consumer Affairs
- D) Unique Identification Authority of India (UIDAI)

Answer: B

Explanation: The Department of Telecommunications operates the Chakshu portal under the Sanchar Saathi initiative to combat mobile phone frauds and spam.

Q12. Into which National Park were two captive-bred male Great Indian Bustards released in October 2026?

- A) Gir National Park, Gujarat
- B) Desert National Park, Rajasthan
- C) Keoladeo National Park, Rajasthan
- D) Jim Corbett National Park, Uttarakhand

Answer: B

Explanation: Two male Great Indian Bustards were re-wilded at Desert National Park in Jaisalmer/Barmer, Rajasthan.

Q13. India finished in which overall position at the 2026 Asian Games in Aichi-Nagoya, Japan?

- A) 2nd
- B) 3rd
- C) 4th
- D) 5th

Answer: C

Explanation: India placed 4th in the overall standings at the 2026 Asian Games with 85 total medals (21 Gold, 27 Silver, 37 Bronze).

Q14. Who was named the first recipient of the Indian Olympic Association's Jaspal Rana Award?

- A) Sujeet Kalkal
- B) Kumkum Anil Mohod
- C) Manu Bhaker
- D) Aman Sehrawat

Answer: B

Explanation: Archer Kumkum Anil Mohod was named the inaugural recipient of the Jaspal Rana Award by the IOA.

Q15. India secured how many Gold Medals at the 19th International Olympiad on Astronomy and Astrophysics (IOAA) held in Hanoi?

- A) 2
- B) 3
- C) 4
- D) 5

Answer: C

Explanation: India won 4 Gold and 1 Silver medal at the 19th IOAA in Hanoi, Vietnam.

Q16. The prize purse for each 2026 Nobel Prize category is set at how many Swedish Kronor (SEK)?

- A) 10 Million SEK
- B) 11 Million SEK
- C) 12 Million SEK
- D) 15 Million SEK

Answer: C



Explanation: The Nobel Foundation awarded 12 million Swedish kronor (SEK) for each Nobel category in 2026.

Q17. Till when have the government export incentive schemes RoDTEP and RoSCTL been extended?

- A) 31 October 2026
- B) 30 November 2026
- C) 31 December 2026
- D) 31 March 2027

Answer: C

Explanation: The Union Government extended RoDTEP and RoSCTL export-rebate benefits until 31 December 2026.

Q18. October 6 marks the death anniversary of V.K. Krishna Menon. Which portfolio did he hold in the Union Cabinet from 1957 to 1962?

- A) Finance Minister
- B) Defense Minister
- C) Home Minister
- D) External Affairs Minister

Answer: B

Explanation: V.K. Krishna Menon served as India's Defense Minister from 1957 to 1962 and played a crucial role in establishing early Indian military infrastructure.

Q19. World Cerebral Palsy Day is observed annually on which date globally?

- A) 2 October
- B) 4 October
- C) 6 October

D) 10 October

Answer: C

Explanation: World Cerebral Palsy Day is observed globally on October 6 every year to support affected individuals and foster inclusion.

Q20. 'Operation Yuva Raksha' was launched by the Central Bureau of Narcotics (CBN) in licensed opium regions of which state?

- A) Madhya Pradesh
- B) Rajasthan
- C) Punjab
- D) Uttar Pradesh

Answer: B

Explanation: The CBN Rajasthan unit launched Operation Yuva Raksha to sensitize students against drug abuse in opium-cultivating districts.

Q21. Which country won the Gold Medal in Women's Table Tennis at the Asia-Pacific Deaf Multi-Sport Championships in Penang?

- A) Japan
- B) South Korea
- C) India
- D) China

Answer: C

Explanation: The Indian women's table tennis team defeated Macau to secure Gold at the Asia-Pacific Deaf Multi-Sport Championships.

Q22. The IceCube Neutrino Observatory, recognized in the 2026 Physics Nobel Prize, is located in which continent?

- A) Europe
- B) Antarctica
- C) North America
- D) Asia

Answer: B

Explanation: IceCube is located at the Amundsen–Scott South Pole Station in Antarctica.

Q23. Which body manufactures the Akash Missile system exported by India?

- A) Hindustan Aeronautics Limited (HAL)
- B) Bharat Dynamics Limited (BDL)
- C) Ordnance Factory Board (OFB)
- D) Bharat Electronics Limited (BEL)

Answer: B

Explanation: Akash surface-to-air missiles are produced by Bharat Dynamics Limited (BDL) with system integration by DRDO.

Q24. What type of technology forms the core of the 2026 Nobel Medicine award winning discovery by Karl Deisseroth, Peter Hegemann, and Georg Nagel?

- A) CRISPR-Cas9
- B) Optogenetics
- C) CAR-T Cell Therapy
- D) Cryo-EM imaging

Answer: B

Explanation: Optogenetics allows scientists to modulate living neural circuits using light-sensitive proteins.

Q25. Which international strait's security was targeted during the military actions in the Dhubab district of Yemen?

- A) Strait of Hormuz
- B) Bab el-Mandeb Strait
- C) Malacca Strait
- D) Sunda Strait

Answer: B

Explanation: Yemeni forces launched operations in the Dhubab district overseeing the strategic Bab el-Mandeb strait.

Q26. Who was named the recipient of the IOA's Raja Randhir Singh Award?

- A) Sujeet Kalkal
- B) Bajrang Punia
- C) Ravi Kumar Dahiya
- D) Aman Sehrawat

Answer: A

Explanation: Wrestler Sujeet Kalkal was selected as the first recipient of the Raja Randhir Singh Award.

Q27. Which domestic airline announced an increase in fuel surcharges due to rising Aviation Turbine Fuel (ATF) costs on October 6, 2026?

- A) Air India
- B) SpiceJet
- C) IndiGo

D) Akasa Air

Answer: C

Explanation: IndiGo revised domestic and international flight fuel surcharges starting October 6, 2026.

Q28. What is the primary function of Quantum Key Distribution (QKD)?

A) Quantum Supercomputing Processing

B) Ultra-secure Cryptographic Key Sharing using Quantum Mechanics

C) High-speed Satellite Internet Transmission

D) Deep Space Radio Communication

Answer: B

Explanation: QKD utilizes principles of quantum mechanics to transmit cryptographic keys safely against eavesdropping attempts.

Q29. The RoDTEP scheme stands for:

A) Remission of Duties and Taxes on Exported Products

B) Rationalization of Duties and Tariffs on Essential Products

C) Reduction of Dues and Taxes on Energy Producers

D) Rebate of Duties and Tariffs on Electronic Processing

Answer: A

Explanation: RoDTEP stands for Remission of Duties and Taxes on Exported Products.

Q30. V.K. Krishna Menon served as India's High Commissioner to which country prior to becoming Defense Minister?

A) United States

B) United Kingdom

C) Soviet Union

D) France

Answer: B

Explanation: V.K. Krishna Menon served as the High Commissioner of India to the United Kingdom from 1947 to 1952.

