

**SATYADHEESH**
सत्याधीश

UPSC DAILY DETAILED NOTES

Current Affairs • 11 October 2026**31**

NOTES

2

STORIES MERGED

10

MCQS

GS2 • 17

GS3 • 14

PAPER MIX

CONTENTS**Every note, grouped by paper****GS2 Polity • Governance • Social Justice • IR**

17 notes

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GS3 Economy • S&T • Environment • Security

14 notes

Economy	2
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Practice — 10 MCQs**HOW EACH NOTE READS**

Why in news → facts to remember → a Mains question with keywords. Duplicate stories are merged.

SHORT ON TIME?

The 5-page **Brief** has the stories that matter most, plus a quiz. Same day, same notes.

Polity & Constitution

5

JUDICIARY & LANDMARK JUDGMENTS

P

M

11 Oct · The Hindu · satyadheesh.in/upsc/note/134400 · Report a mistake

Special Bench issues notices over alleged violation of October 9 order

WHY IN NEWS A Special Bench issued notices to the Union Home Secretary, Delhi Police Commissioner, and DMRC chairperson for allegedly violating an October 9 order regarding movement and internet access.

ACT	Section 163 BNSS: Provision under which prohibitory orders were issued in and around the Supreme Court.
CONCEPT	Prohibitory zone: A four-km zone in central Delhi, including Jantar Mantar, where detentions were restricted.
PLACE	Jantar Mantar: Designated site for protests in central Delhi.
BODY	DMRC: Delhi Metro Rail Corporation, whose chairperson received a notice.

MAINS Q Discuss the judicial balancing act between upholding the fundamental right to free movement and the State's power to impose reasonable restrictions for maintaining public order.

USE: Judicial Review Fundamental Rights Public Order Proportionality Rule of Law

CONSTITUTIONAL BODIES (CAG, UPSC, FC, NCSC...)

P

11 Oct · The Hindu · satyadheesh.in/upsc/note/134286 · Report a mistake

Prakash Rajpurohit appointed as Deputy Election Commissioner

WHY IN NEWS Prakash Rajpurohit, a Rajasthan-cadre officer, was appointed as Deputy Election Commissioner in the Election Commission of India (ECI) until April 8, 2030.

PERSON	Prakash Rajpurohit — Appointed as Deputy Election Commissioner in the Election Commission of India
CONCEPT	ECI functions — Manages electoral rolls and IT divisions
DATE	April 8, 2030 — The date until which the appointment of the Deputy Election Commissioner is valid

MAINS Q Discuss the importance of administrative autonomy and transparent hierarchy within the Election Commission of India to ensure impartial electoral processes.

USE: Election Commission of India Administrative hierarchy Cadre management Electoral integrity

FUNDAMENTAL RIGHTS, DPSP & DUTIES

P

M

11 Oct · The Hindu · satyadheesh.in/upsc/note/134285 · Report a mistake

Supreme Court orders Centre to ensure uninterrupted metro and internet during protests

WHY IN NEWS The Supreme Court of India directed the Centre to ensure uninterrupted metro and internet services during protests to prevent illegal detentions.

FACT	The court order specifically mandates the maintenance of metro and internet services during protests.
POST	Kapil Sibal: A Rajya Sabha MP and advocate who welcomed the court's order.

MAINS Q Discuss the balance between the state's power to maintain public order and the fundamental right to peaceful protest and freedom of expression.

USE: Right to Assembly Freedom of Expression Judicial Review Public Order Arbitrary Detention

JUDICIARY & LANDMARK JUDGMENTS

P

M

11 Oct · NDTV · satyadheesh.in/upsc/note/134246 · Report a mistake

Supreme Court orders removal of barricades and withdrawal of Section 163

WHY IN NEWS The Supreme Court ordered the removal of barricades and withdrawal of Section 163 of the Bharatiya Nagarik Suraksha Sanhita (BNSS), 2023

ACT	Section 163 of the Bharatiya Nagarik Suraksha Sanhita (BNSS), 2023 — relates to the power to impose restrictions on assembly.
CONCEPT	Judicial Review — the court issued notices to Delhi Police and Union Home Secretary regarding protest irregularities.
BODY	Delhi Metro Rail Corporation (DMRC) — the body seeking normal movement during the protests.

MAINS Q Examine the balance between the state's power to impose restrictions on public assembly and the fundamental right to freedom of movement under the BNSS, 2023.

USE: Judicial Review Public Order Fundamental Rights BNSS 2023 Executive Discretion

Andhra Pradesh Cabinet caps local body reservations at 50% based on Mishra report

WHY IN NEWS The Andhra Pradesh Cabinet accepted the Rajeev Ranjan Mishra report to cap total reservations for SC, ST, and BC categories at 50% in local bodies to align with Supreme Court mandates.

CONCEPT	Reservation Cap — Total reservations for SC, ST, and BC categories capped at 50% in local bodies.
ACT	Article 243T — Constitutional provision regarding reservations in local bodies.
PERSON	Rajeev Ranjan Mishra — Led the Dedicated Commission that submitted the report to the Andhra Pradesh Cabinet.
REPORT	Unified Family Survey — Data source used by the commission to ensure compliance.

MAINS Q Discuss the constitutional challenges and socio-political implications of capping reservations in local bodies while ensuring representation for marginalized communities.

USE: Article 243T Reservation Cap Local Governance Empirical Inquiry Constitutional Compliance

Governance

1

Haryana Cabinet exempts ex-Agniveers from Group-C recruitment exams

WHY IN NEWS The Haryana Cabinet approved amendments to the state's Agniveer policy to exempt ex-Agniveers from Group-C recruitment exams and Physical Screening Tests for specific departments.

BODY	Haryana Cabinet — approved amendments to the state's Agniveer policy
CONCEPT	Exemption — ex-Agniveers are exempt from Group-C recruitment exams and Physical Screening Tests
PLACE	Environment, Forest and Wildlife Department, IRB, SDRF, and Revenue and Disaster Management Department — departments covered by the exemption
REPORT	Sixth State Finance Commission — recommendations to be continued until 2026-27

MAINS Q Discuss the implications of providing preferential recruitment pathways for ex-Agniveers in state civil services regarding meritocracy and administrative efficiency.

USE: Agniveer Scheme Civil Services State Finance Commission Recruitment Policy Public Administration

Social Justice

4

Tamil Nadu expands VPT scheme to offer no-fare bus travel for women

WHY IN NEWS Chief Minister C. Joseph Vijay expanded the Vettri Payanam Thittam (VPT) scheme to provide no-fare bus travel for women, sparking a debate on the Social Return on Investment (SROI) versus the state's fiscal deficit.

SCHEME	Vettri Payanam Thittam (VPT) — a no-fare bus travel scheme for women in Tamil Nadu
FIGURE	₹1,600 crore — estimated annual cost of the expanded VPT scheme
FIGURE	₹40.67 lakh crore — estimated GSDP of Tamil Nadu for 2026-27
FIGURE	₹1.28 lakh crore — projected debt servicing for Tamil Nadu, or 37% of estimated revenue receipts

MAINS Q Discuss the challenges of balancing fiscal sustainability with the expansion of universal welfare schemes in Indian states.

USE: Social Return on Investment Fiscal Deficit Welfare Politics Gender Mobility Revenue Expenditure

P M

West Bengal voter appeals backlog grows due to tribunal vacancies

WHY IN NEWS The Election Commission of India (ECI) faces a massive backlog of 37 lakh voter appeals in West Bengal due to vacancies in three out of 19 appellate tribunals established for the Special Intensive Revision (SIR).

- CONCEPT** | Special Intensive Revision (SIR) — an exercise initiated on March 21 following Supreme Court directions.
- BODY** | Appellate tribunals for Special Intensive Revision (SIR) — report to the Calcutta High Court.
- FIGURE** | 37 lakh — total voter appeals in West Bengal currently in limbo.
- BODY** | Election Commission of India (ECI) — provides secretarial assistance and digital platforms for online hearings.

MAINS Q Discuss the implications of administrative delays in adjudicating electoral roll disputes on the democratic right to suffrage and the integrity of the electoral process.

USE: Right to Suffrage Electoral Integrity Administrative Delay Disenfranchisement Judicial Oversight

NTR Vaidya Seva Trust fines 203 Andhra Pradesh hospitals for irregularities

WHY IN NEWS The NTR Vaidya Seva Trust imposed fines of ₹34.39 crore on 203 hospitals in Andhra Pradesh for irregularities and duplicate billing detected via AI.

- BODY** | NTR Vaidya Seva Trust — Imposed fines and penalties on hospitals for scheme misuse.
- CONCEPT** | Artificial Intelligence — Used by the Trust to detect duplicate billing and irregularities.
- FIGURE** | ₹34.39 crore — Total fines imposed on 203 hospitals over a two-year period.
- PLACE** | Andhra Pradesh — State where the hospital irregularities were identified.

MAINS Q Discuss how the integration of Artificial Intelligence in public health schemes can enhance transparency and curb financial irregularities in healthcare delivery.

USE: Transparency Artificial Intelligence Public Health Governance Audit Mechanism Financial Irregularities

P M

Madras High Court rules private employers cannot mandatorily collect caste details

WHY IN NEWS The Madurai Bench of the Madras High Court ruled that private employers and educational institutions in Tamil Nadu cannot mandatorily collect caste details, following a PIL by N. Vikraman.

- CONCEPT** | Right to Privacy — violated by mandatory caste collection lacking statutory backing
- CONCEPT** | Systemic Discrimination — potential risk of caste-based bias in admissions and employment
- PERSON** | Justices C.V. Karthikeyan and R. Sakthivel — delivered the ruling

MAINS Q Discuss the conflict between institutional data collection requirements and the right to privacy, specifically regarding the mandatory disclosure of caste details in private sectors.

USE: Right to Privacy Statutory Backing Systemic Discrimination Data Protection Equality of Opportunity

INDIA'S BILATERAL RELATIONS P M 2 REPORTS MERGED

11 Oct · The Hindu · satyadheesh.in/upsc/note/134494 · Report a mistake

India acknowledges Katchatheevu belongs to Sri Lanka

WHY IN NEWS Sri Lankan President Anura Kumara Dissanayake stated that New Delhi acknowledges Katchatheevu belongs to Sri Lanka, citing the Indian Supreme Court's stance on the 1974 and 1976 agreements.

PLACE	Katchatheevu — An island territory acknowledged by India as belonging to Sri Lanka.
DATE	1974 and 1976 agreements — Specific maritime agreements India stated it will not reopen.
PERSON	Anura Kumara Dissanayake — President of Sri Lanka from the National People's Power coalition.

MAINS Q Discuss the significance of maritime boundary agreements in maintaining bilateral stability between India and Sri Lanka while ensuring the safety of artisanal fishing communities.

USE: Maritime Boundary Bilateral Relations Territorial Integrity Fisheries Management Diplomatic Continuity

INTERNATIONAL INSTITUTIONS & AGENCIES (UN, WTO, IMF...) P M

11 Oct · Al Jazeera · satyadheesh.in/upsc/note/134419 · Report a mistake

US imposes sanctions on International Criminal Court to block assets

WHY IN NEWS The United States imposed sanctions on the International Criminal Court (ICC), blocking its assets and threatening its operations, prompting calls for EU and State Parties to protect the court's independence.

BODY	International Criminal Court (ICC) — An international judicial body facing US sanctions.
CONCEPT	Sanctions Regime — Measures including asset blocking and operational threats against the ICC.
DATE	180-day grace period — The timeframe established for the court to respond to the US measures.

MAINS Q Discuss the implications of unilateral sanctions on international judicial bodies like the ICC for the global rule of law and international justice.

USE: Rule of Law Extraterritoriality Judicial Independence Multilateralism Sanctions Regime

INDIA'S BILATERAL RELATIONS P 2 REPORTS MERGED

11 Oct · NDTV · satyadheesh.in/upsc/note/134249 · Report a mistake

US Department of Labor suspends Infosys and TCS from PERM programme

WHY IN NEWS The US Department of Labor suspended eight major technology firms, including Infosys and TCS, from the Permanent Labor Certification (PERM) programme.

CONCEPT	PERM: Permanent Labor Certification programme managed by the US Department of Labor
FIGURE	Indian firms accounted for less than 2% of last year's PERM certifications
FIGURE	TCS plans to hire 15,000 US workers over a five-year period

MAINS Q Discuss the implications of labor certification regulations on the operational model of Indian IT service providers in the US market.

USE: Labor Certification Outsourcing Regulatory Compliance Human Capital Trade Relations

INDIA'S BILATERAL RELATIONS P M

11 Oct · NDTV · satyadheesh.in/upsc/note/134256 · Report a mistake

India rebuts Pakistan at UN over Pahalgam attack and nuclear proliferation

WHY IN NEWS Anmol Sher Singh Bedi of India rebutted Pakistan's stance on terrorism and nuclear proliferation at the UN General Assembly's First Committee, defending India's self-defence actions against a Pahalgam attack.

CONCEPT	UN General Assembly First Committee: The primary forum for discussing disarmament and international security.
EVENT	Pahalgam attack: Resulted in the deaths of 26 civilians in May.
ACT	Indus Waters Treaty: Signed in 1960 with World Bank involvement.
REPORT	UN Security Council Resolution 1540: Cited to demand accountability for non-state actor violence.

MAINS Q Discuss the significance of international multilateral forums in addressing the challenges of non-state actor terrorism and nuclear proliferation in South Asia.

USE: non-state actors nuclear proliferation multilateralism self-defence accountability

German and French generals praise Indian Air Force during Tarang Shakti-2026

WHY IN NEWS German and French generals praised the Indian Air Force's operational capabilities during the Tarang Shakti-2026 exercise in Jodhpur.

EVENT	Tarang Shakti-2026 — A military exercise conducted in Jodhpur
CONCEPT	Operation Sindoor — Briefed to seven countries by Air Vice Marshal Raj Thakur
PERSON	Air Chief Marshal AP Singh — Head of the Indian Air Force
DATE	April 22, 2025 — Date of a Pahalgam attack

MAINS Q Discuss how multilateral and bilateral military exercises like Tarang Shakti enhance India's strategic autonomy and regional security architecture.

USE: [Strategic Autonomy](#) [Interoperability](#) [Net Security Provider](#) [Defense Diplomacy](#) [Operational Cooperation](#)

India condemns missile strike at Riyadh airport killing 12

WHY IN NEWS India's Ministry of External Affairs condemned a missile strike on King Khalid International Airport in Riyadh that killed 12 and injured over 300 people.

EVENT	Missile strike — occurred on October 10, resulting in 12 deaths and over 300 injuries
CONCEPT	Proxy warfare — Saudi-led coalition attributed the attack to Iran-backed Houthi rebels

MAINS Q Discuss the implications of regional proxy conflicts in the Middle East on India's energy security and maritime trade routes.

USE: [Proxy warfare](#) [Energy security](#) [Strategic autonomy](#) [Maritime safety](#) [Regional stability](#)

US makes no official offer to sell F-35 jets to India, Singh says

WHY IN NEWS Air Chief Marshal AP Singh stated that the US made no official offer to sell F-35 jets to India during the Tarang Shakti-2026 exercise.

CONCEPT	F-35 Lightning II — a fifth-generation fighter jet
CONCEPT	Su-57 — a fifth-generation fighter jet offered by Russia
PLACE	Jodhpur, Rajasthan — venue of the Tarang Shakti-2026 exercise
PERSON	General Kevin Schneider — Commander of US Pacific Air Forces

MAINS Q Discuss the challenges India faces in acquiring advanced fifth-generation fighter technology amidst the complexities of military technology sharing and geopolitical dependencies.

USE: [Fifth-generation fighter](#) [Defense procurement](#) [Technology transfer](#) [Strategic autonomy](#) [Military cooperation](#)

Economy

2

FISCAL POLICY, BUDGET & TAXATION (GST)

P M

11 Oct · The Hindu · satyadheesh.in/upsc/note/134467 · Report a mistake

GST Council raises prosecution threshold to ₹5 crore, reduces penalties to ₹10,000

WHY IN NEWS The GST Council, chaired by Union Finance Minister Nirmala Sitharaman, decided to increase the prosecution threshold and reduce penalties to enhance trade stability.

- FACT** | Prosecution threshold for GST violations increased from ₹1 crore to ₹5 crore
- FACT** | GST penalties reduced from ₹25,000 to ₹10,000
- FACT** | Late fee waiver applicable for businesses with turnover up to ₹5 crore

MAINS Q Discuss how the GST Council's recent measures to reduce penalties and increase prosecution thresholds aim to balance tax compliance with ease of doing business in India.

USE: Ease of Doing Business Tax Compliance GST Council Fiscal Federalism Trade Stability

EMPLOYMENT & INCLUSIVE GROWTH

M

11 Oct · The Hindu · satyadheesh.in/upsc/note/134533 · Report a mistake

White paper highlights rising AI exposure and routine automation pressure in India

WHY IN NEWS Chief Economic Advisor V. Anantha Nageswaran released a white paper by Vidya Mahambare et al. highlighting the rising AI exposure and routine automation pressure on India's workforce between 2012 and 2025.

- REPORT** | AI, Automation and India's Workforce — white paper highlighting AI exposure and routine automation pressure.
- FIGURE** | 46.3 million — Indian workers currently in AI complementary occupations.
- FIGURE** | 4.8 percentage points — increase in routine automation pressure in India between 2012 and 2025.
- CONCEPT** | AI-exposed occupations — 29% of workers aged 25 to 34 in India are in these roles.
- PLACE** | Southern States — have an average employment share of 30.9% in AI-exposed occupations.

MAINS Q Discuss the implications of rising AI exposure and routine automation on India's demographic dividend and the necessity of policy interventions to mitigate labor displacement.

USE: Artificial Intelligence Automation Labor Displacement Demographic Dividend Skill Complementarity

Agriculture

3

CROPPING PATTERNS & IRRIGATION

M

11 Oct · The Hindu · satyadheesh.in/upsc/note/134485 · Report a mistake

Jal Shakti Ministry delays PRLS appraisal awaiting Tribunal decision

WHY IN NEWS The Union Jal Shakti Ministry delayed the technical appraisal of the Palamuru-Rangareddy Lift Irrigation Scheme (PRLIS) pending a Krishna Water Disputes Tribunal – II decision.

- BODY** | Krishna Water Disputes Tribunal – II: Body adjudicating water sharing between Telangana, Andhra Pradesh, and Karnataka
- FIGURE** | 90 tmcft: Volume of water proposed for sharing between Telangana and Andhra Pradesh under the PRLS
- PLACE** | Palamuru-Rangareddy Lift Irrigation Scheme (PRLIS): Irrigation project in the Telangana/Andhra Pradesh region

MAINS Q Discuss the challenges of inter-state water sharing in India and the role of federal institutions in resolving riparian disputes.

USE: Inter-state water disputes Riparian rights Federalism Irrigation infrastructure Water governance

Andhra Pradesh launches Life-Saving Irrigation Scheme for orchards

WHY IN NEWS The Andhra Pradesh Horticulture Department launched the Life-Saving Irrigation (LSI) Scheme to protect orchards from El Niño-induced heat stress.

SCHEME	Life-Saving Irrigation (LSI) Scheme: Protects orchards from El Niño-induced heat stress.
FIGURE	LSI Scheme subsidies: ₹9,984 for sweet lime, ₹5,616 for mango, and ₹12,480 for arecanut per acre.
FIGURE	LSI Scheme logistics: Government bears 80% of costs for 5,000-litre water tankers priced at ₹780 each.
CONCEPT	Rythu Bharosa Kendra (RBK): The designated portal/center for farmer applications under the LSI Scheme.

MAINS Q Discuss the significance of climate-resilient irrigation schemes in ensuring horticultural sustainability amidst increasing frequency of El Niño events in India.

USE: Climate Resilience Horticultural Sustainability El Niño Subsidies Irrigation Infrastructure

CREAMS bulletin detects 287 crop-residue burning incidents across 7 states

WHY IN NEWS The Indian Agricultural Research Institute's CREAMS bulletin detected 287 crop-residue burning incidents across 7 states between September 15 and October 6, 2026.

CONCEPT	CREAMS: A bulletin by the Indian Agricultural Research Institute to detect crop-residue burning.
FIGURE	Madhya Pradesh recorded the highest number of incidents at 118.
FIGURE	Punjab and Uttar Pradesh recorded 88 and 65 crop-residue burning incidents respectively.
PLACE	Incidents recorded in Punjab, Haryana, Uttar Pradesh, Delhi, Rajasthan, Uttarakhand, and Madhya Pradesh.

MAINS Q Discuss the environmental and health implications of crop-residue burning in Northern India and evaluate the role of biomass utilization in mitigating these issues.

USE: Crop-residue burning Biomass utilization Air pollution Agricultural waste management Real-time monitoring

Science & Technology

9

India and France to launch TRISHNA satellite for water and temperature monitoring

WHY IN NEWS URSC announced that the TRISHNA satellite, a joint Indo-French project, is slated for launch in the next 12-16 months to monitor water resources and surface temperature.

CONCEPT	TRISHNA: Thermal Infra-Red Imaging Satellite for High-resolution Natural Resource Assessment
BODY	CNES: The French space agency collaborating with ISRO
MISSION	TRISHNA is the third joint project between ISRO and CNES after Megha-Tropiques and SARAL
BODY	PSLV: The Polar Satellite Launch Vehicle used for the launch
CONCEPT	Payloads: Thermal Infra-Red (TIR) and Visible-Near Infra-Red Short Wave Infra-Red (VNIR-SWIR)

MAINS Q Discuss how space-based remote sensing technologies like the TRISHNA mission can enhance India's water resource management and climate change adaptation strategies.

USE: Remote Sensing Space Cooperation Water Resource Management Surface Energy Budgeting Indo-French Collaboration

Kerala High Court directs Union government to operationalize Data Protection Board

WHY IN NEWS The Kerala High Court directed the Union government to operationalize the Data Protection Board within eight weeks and ruled that Digi Yatra cannot mandate Aadhaar details.

ACT	Digital Personal Data Protection Act, 2023: Legislation governing the processing of digital personal data in India
CONCEPT	Data Protection Board: The regulatory body established under the Digital Personal Data Protection Act, 2023
CONCEPT	Digi Yatra: A facial recognition-based seamless travel initiative
BODY	Kerala High Court: Directed the operationalization of the Data Protection Board and ruled against mandatory Aadhaar for Digi Yatra

MAINS Q Examine the significance of establishing an independent Data Protection Board in ensuring the right to privacy under the Digital Personal Data Protection Act, 2023.

USE:

Right to Privacy

Data Sovereignty

Regulatory Compliance

Digital Governance

Statutory Body

NASA and Starfish Space launch SSPICY mission to approach inactive objects

WHY IN NEWS NASA and Starfish Space launched the SSPICY mission to test autonomous proximity operations and robotic capabilities for satellite repair and debris removal.

MISSION	SSPICY: Small Spacecraft Propulsion and Inspection Capability mission
CONCEPT	Otter spacecraft: Designed to autonomously approach four inactive US objects in low Earth orbit
PLACE	Vandenberg Space Force Base: Launch site for the SSPICY mission
CONCEPT	Mission components: Tests electric propulsion, sensors, and a robotic boom for satellite repair and debris removal

MAINS Q Discuss the significance of autonomous space robotics in addressing the growing challenges of orbital debris and the sustainability of space infrastructure.

USE:

Orbital Debris

Space Sustainability

Autonomous Systems

On-orbit Servicing

Space Situational Awareness

Delhi government launches DURGA E-Auto Scheme for women and transgender persons

WHY IN NEWS The Delhi government launched the DURGA E-Auto Scheme to provide 1,300 electric autos, specifically targeting women and transgender persons to promote inclusive green mobility.

SCHEME	DURGA E-Auto Scheme — provides 1,170 electric autos for women and 130 for transgender persons.
SCHEME	EV Policy 2026 — provides a Rs 50,000 incentive to beneficiaries of the DURGA E-Auto Scheme.
BODY	National Informatics Centre (NIC) — responsible for processing applications via an online portal.

MAINS Q Discuss how targeted electric vehicle schemes can promote inclusive economic growth for marginalized communities while achieving urban sustainability goals.

USE:

Inclusive growth

Green mobility

E-mobility

Digital public infrastructure

Gender mainstreaming

Lancet Commission identifies 17 threats to human extinction by 2100

WHY IN NEWS The Lancet Commission on 21st Century Global Threats to Health identified 17 major threats, including nuclear war and AI misuse, that could risk human extinction by 2100.

REPORT	Lancet Commission on 21st Century Global Threats to Health
CONCEPT	Existential risks: 17 threats including nuclear war and AI misuse
FIGURE	1.89 billion healthy life years lost if global warming exceeds 1.8°C
CONCEPT	Climate mitigation: Limiting global warming to 1.8°C to prevent health loss

MAINS Q Discuss the existential risks posed by rapid advancements in Artificial Intelligence and climate change on global public health and human survival.

USE:

existential risk

global health

technological governance

climate mitigation

public health metrics

CERN to upgrade Large Hadron Collider to increase collision rates tenfold

WHY IN NEWS CERN is upgrading the Large Hadron Collider to the High Luminosity LHC to increase collision rates tenfold to study Dark Matter and Dark Energy.

CONCEPT	High Luminosity LHC: An upgrade of the Large Hadron Collider to increase collision rates by 10 times.
PLACE	CERN: European Centre for Nuclear Research located in Geneva, straddling the Swiss–French border.
FIGURE	Dark Matter and Dark Energy: Constitute approximately 95 per cent of the Universe.
CONCEPT	Higgs Boson: Discovered in 2012, it completed the Standard Model of particle physics.

MAINS Q Discuss the significance of high-energy particle physics in understanding the fundamental composition of the universe beyond the Standard Model.

USE: High Luminosity LHC Dark Matter Dark Energy Standard Model Particle Physics

NOAA forecasts extremely strong El Niño through December 2026

WHY IN NEWS The US National Oceanic and Atmospheric Administration (NOAA) forecasted a 100 percent chance of an extremely strong El Niño through December 2026, raising concerns over global GDP losses and coral bleaching.

BODY	NOAA — US National Oceanic and Atmospheric Administration
CONCEPT	El Niño — Linked to mass coral bleaching and significant global GDP losses
FIGURE	2.7 degrees Celsius — Projected El Niño temperature above normal
CONCEPT	Climate Change — Linked by researchers to the severity of extreme El Niño events

MAINS Q Discuss the nexus between climate change and extreme El Niño events, highlighting their implications for global economic stability and marine biodiversity.

USE: El Niño Climate Change Coral Bleaching Global GDP NOAA

Committee recommends restricting rallies during competitive exams

WHY IN NEWS The Parliamentary Standing Committee on Education, Women, Children, Youth and Sports recommended amending the Public Examinations (Prevention of Unfair Means) Act

BODY	Parliamentary Standing Committee on Education, Women, Children, Youth and Sports
ACT	Public Examinations (Prevention of Unfair Means) Act, 2024
PERSON	Mukul Wasnik — Head of the Parliamentary Standing Committee on Education
DATE	October 9, 2026 — Date report was submitted to the Rajya Sabha chairman

MAINS Q Discuss the institutional measures required to ensure the integrity of national-level competitive examinations and prevent irregularities like paper leaks.

USE: Institutional integrity Regulatory framework Public examination sanctity Legislative amendment Accountability

Karl Deisseroth and others win 2026 Nobel Prize in Physiology or Medicine

WHY IN NEWS The Nobel Prize in Physiology or Medicine 2026 was awarded to Karl Deisseroth, Peter Hegemann, and Georg Nagel for their discoveries in light-gated ion channels and optogenetics.

CONCEPT	Optogenetics: A technique using light to control cells.
CONCEPT	Light-gated ion channels: Breakthroughs recognized by the 2026 Nobel Prize.
PERSON	Karl Deisseroth, Peter Hegemann, and Georg Nagel: 2026 Nobel Prize winners.
PLACE	Humboldt University of Berlin: Research site for Peter Hegemann's work.
SCHEME	Wellcome Trust–DBT Senior Fellowship: One of the funding bodies for the research.

MAINS Q Discuss how advancements in optogenetics and light-gated ion channels are revolutionizing neurological research and potential therapeutic interventions for brain disorders.

USE: Optogenetics Ion Channels Biotechnology Neuroscience Translational Medicine

10 questions, 10 minutes

Answers at the bottom, upside down

1 With reference to the maritime boundary between India and Sri Lanka, consider the following statements:

1. India acknowledges that Katchatheevu belongs to Sri Lanka.
2. Anura Kumara Dissanayake is the President of Sri Lanka.
3. The maritime agreements of 1974 and 1976 are subject to being reopened by New Delhi.

Which of the statements given above is/are correct?

- (a) 1 only (b) 1 and 2 only
(c) 1 and 3 only (d) 2 and 3 only

2 Which space agency is collaborating with ISRO on the TRISHNA satellite mission?

- (a) JAXA (b) NASA
(c) ESA (d) CNES

3 What is the duration of the grace period established for the International Criminal Court to respond to the US sanctions?

- (a) 90 days (b) 180 days
(c) 365 days (d) 60 days

4 With reference to the prohibitory orders in central Delhi, consider the following statements:

1. The prohibitory zone was extended to a five-km radius from the Supreme Court.
2. The court ordered the Delhi Police to maintain internet blackouts indefinitely.
3. Section 163 BNSS is the provision under which the prohibitory orders were issued.

Which of the statements given above is/are correct?

- (a) 1 only (b) 2 only
(c) 3 only (d) 2 and 3 only

5 Which legislative act provides the framework for establishing the Data Protection Board in India?

- (a) Personal Data Protection Bill, 2019 (b) Digital Personal Data Protection Act, 2023
(c) Right to Information Act, 2005 (d) Information Technology Act, 2000

6 From which location was the SSPICY mission launched?

- (a) Vandenberg Space Force Base (b) Baikonur Cosmodrome
(c) Kennedy Space Center (d) Sriharikota

7 What percentage of last year's PERM certifications did Indian firms account for?

- (a) More than 10% (b) Less than 2%
(c) Less than 15% (d) Exactly 5%

8 What is the average employment share in AI-exposed occupations in the Southern States of India?

- (a) 40.2% (b) 25.5%
(c) 15.8% (d) 30.9%

9 With reference to the DURGA E-Auto Scheme launched by the Delhi government, consider the following statements:

1. Beneficiaries receive a Rs 50,000 incentive under the EV Policy 2026.
2. The scheme allocates 130 electric autos specifically for women.
3. The scheme provides a total of 1,500 electric autos to beneficiaries.

Which of the statements given above is/are correct?

- (a) 1 only (b) 2 only
(c) 1 and 3 only (d) 2 and 3 only

10 With reference to the Vettri Payanam Thittam (VPT) scheme in Tamil Nadu, consider the following statements:

1. The scheme provides no-fare bus travel specifically for women.
2. The expanded VPT scheme is estimated to cost ₹1,600 crore annually.
3. The projected debt servicing for Tamil Nadu is 37% of the state's GSDP.

Which of the statements given above is/are correct?

- (a) 1 only (b) 1 and 2 only
(c) 1 and 3 only (d) 2 and 3 only

ANSWERS · 1 (b) 2 (d) 3 (b) 4 (c) 5 (b) 6 (a) 7 (b) 8 (d) 9 (a) 10 (b)



TELEGRAM



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