

**SATYADHEESH**  
सत्याधीश

UPSC DAILY DETAILED NOTES

## Current Affairs • 19 September 2026

**24**

NOTES

**2**

STORIES MERGED

**10**

MCQS

GS1 • 1

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GS3 • 12

PAPER MIX

### CONTENTS

## Every note, grouped by paper

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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.

## Geography

1

PHYSICAL GEOGRAPHY (LANDFORMS, OCEANS, CLIMATE) P M

19 Sep · NDTV · [satyadheesh.in/news/123636](https://satyadheesh.in/news/123636)

## Discover Geoscience study flags rapid melting of Uttarakhand glaciers

**WHY IN NEWS** A Discover Geoscience study highlighted that 23 major glaciers in Uttarakhand are melting rapidly, threatening water security and increasing disaster risks.

**FIGURE** | 37.8 meters per year — the melting rate of the Milam glacier

**CONCEPT** | Glacial retreat — a primary indicator of climate change in the Himalayan region

**MAINS Q** Discuss the implications of accelerated Himalayan glacial retreat on India's water security and disaster management strategies.

**USE:** Glacial retreat Cryosphere degradation Water security Glacial Lake Outburst Floods (GLOFs) Climate vulnerability

## Polity & Constitution

2

CONSTITUTION, AMENDMENTS &amp; BASIC STRUCTURE

P M

19 Sep · NDTV · satyadheesh.in/news/123536

### Ladakh leaders withdraw protest plan after Centre agrees to discuss safeguards

**WHY IN NEWS** The Central Government and Ladakh leadership (Leh Apex Body and Kargil Democratic Alliance) reached a tentative agreement on constitutional safeguards and a 'sui generis' governance model

|         |                                                                                            |
|---------|--------------------------------------------------------------------------------------------|
| CONCEPT | Sui Generis — a unique governance model being discussed for Ladakh                         |
| ACT     | Article 371 — provides special provisions for various states in the Indian Union           |
| EVENT   | Ladakh formation — carved out as a separate Union Territory from Jammu and Kashmir in 2019 |
| PLACE   | Ladakh districts — Kargil and Leh are the two primary districts                            |

**MAINS Q** Discuss the significance of 'sui generis' governance models in addressing the unique aspirations of Union Territories like Ladakh while maintaining constitutional integrity.

USE: Constitutional safeguards Sui generis Union Territory Federalism Administrative autonomy

ELECTIONS, ECI &amp; ELECTORAL REFORMS

P M

19 Sep · The Hindu · satyadheesh.in/news/123459

### Mamata Banerjee moves Supreme Court against ECI's freeze on Trinamool Congress symbol

**WHY IN NEWS** The Trinamool Congress faction led by Mamata Banerjee moved the Supreme Court against the Election Commission of India's (ECI) decision to freeze the party's original name and symbol for upcoming Assembly bye-elections.

|         |                                                                                                                                     |
|---------|-------------------------------------------------------------------------------------------------------------------------------------|
| BODY    | Election Commission of India (ECI) — Constitutional body responsible for administering elections and registering political parties. |
| CONCEPT | Symbol Allotment — ECI has the authority to allot and freeze election symbols for political parties and independent candidates.     |
| PLACE   | West Bengal — Location of the Assembly byelections where the symbol dispute pertains.                                               |

**MAINS Q** Examine the Election Commission's powers regarding the registration and symbol allotment of political parties and the implications of its discretionary powers on internal party democracy.

USE: Election Commission of India Political Party Symbol Internal Party Democracy Judicial Review Bye-elections

## Social Justice

2

HEALTH POLICY &amp; PUBLIC HEALTH

P M

19 Sep · The Hindu · satyadheesh.in/news/123731

### India's pharmaceutical model for affordable diabetes medicine highlighted

**WHY IN NEWS** A study led by V. Mohan, chairman of Dr. Mohan's Diabetes Specialities Centre, examined India's model for making expensive diabetes medicines affordable for low- and middle-income countries (LMICs).

|         |                                                                                                          |
|---------|----------------------------------------------------------------------------------------------------------|
| CONCEPT | GLP-1 receptor agonists and SGLT2i: Modern therapies used to manage diabetes.                            |
| FIGURE  | 80% of the 589 million adults with diabetes globally reside in low- and middle-income countries (LMICs). |
| PERSON  | V. Mohan: Chairman of Dr. Mohan's Diabetes Specialities Centre in Chennai.                               |

**MAINS Q** Discuss how India's pharmaceutical model for affordable healthcare can serve as a blueprint for low- and middle-income countries to manage chronic diseases.

USE: Affordability Pharmaceutical Model LMICs Chronic Disease Management Healthcare Accessibility

## Bihar mandates Child Help Desks in all police stations

**WHY IN NEWS** The Bihar government directed the establishment of Child Help Desks in all 1,377 police stations by October 2 to curb crimes against children and provide a safe space for reporting.

|         |                                                                                                     |
|---------|-----------------------------------------------------------------------------------------------------|
| ACT     | Bihar Police Act, 2007 — State legislation governing police powers and duties.                      |
| CONCEPT | Child Welfare Police Officer (CWPO) — Designated officer responsible for managing Child Help Desks. |
| FIGURE  | 1,377 — Total number of police stations in Bihar mandated to have Child Help Desks.                 |
| DATE    | October 2, 2026 — Deadline for the establishment of these desks.                                    |

**MAINS Q** Discuss the significance of specialized police desks in ensuring the safety of children and improving the reporting mechanism for crimes against minors in India.

USE: 

Child Protection

Gender-sensitive policing

Trauma-informed care

Institutional accountability

Police reforms

## International Relations

7

## Nepal ice-rock avalanche triggers floods in Nepal and Tibet

**WHY IN NEWS** A massive ice-rock avalanche in Nepal's Rasuwa district triggered floods in Nepal and Tibet, highlighting the urgent need for cross-border early warning systems in the Himalayas.

|         |                                                                                                        |
|---------|--------------------------------------------------------------------------------------------------------|
| PLACE   | Rasuwa district: District in Nepal where the ice-rock avalanche occurred.                              |
| CONCEPT | Lhende Khola River: River through which the flood surge traveled towards the Nepal-China border.       |
| CONCEPT | Climate change impacts: Warming is altering glaciers, snow cover, permafrost, and high-altitude lakes. |
| FIGURE  | 1,400 deaths: Number of people killed by the flood surge in Nepal and Tibet.                           |

**MAINS Q** Discuss the challenges of establishing transboundary early warning systems for climate-induced disasters in the Himalayan region.

USE: 

transboundary cooperation

early warning systems

climate-induced disasters

Himalayan ecology

disaster management

## Trump signs Lindsey O'Graham Act to impose sweeping sanctions on Russia

**WHY IN NEWS** US President Donald Trump signed the Lindsey O Graham Sanctioning Russia and Iran Act of 2026 to impose sanctions on Russia's energy, defense, and banking sectors to weaken its war funding in Ukraine.

|         |                                                                                   |
|---------|-----------------------------------------------------------------------------------|
| ACT     | Lindsey O'Graham Sanctioning Russia and Iran Act of 2026                          |
| CONCEPT | Tariffs up to 100% on major Russian oil and gas importers                         |
| PLACE   | India and China identified as major importers of Russian oil and gas              |
| BODY    | Sanctions target Russian officials, oligarchs, banks, energy, and defense sectors |

**MAINS Q** Examine how unilateral economic sanctions and trade tariffs serve as instruments of coercive diplomacy in modern geopolitical conflicts.

USE: 

Coercive Diplomacy

Economic Statecraft

Trade Sanctions

Geopolitical Realignment

Bipartisan Legislation

Pakistan and Iran discuss maritime security and energy supply

**WHY IN NEWS** Pakistan's Foreign Minister Ishaq Dar urged Iranian counterpart Abbas Araghchi to ensure uninterrupted energy supplies and safe ship passage amidst regional tensions.

- PLACE | Strait of Hormuz — A critical maritime chokepoint connecting the Persian Gulf with the Gulf of Oman
- PLACE | Bab al-Mandeb — A strategic strait connecting the Red Sea to the Gulf of Aden
- CONCEPT | Global supply chain impacts — Affected by blockades and regional instability in maritime corridors

**MAINS Q** Analyze the impact of maritime blockades in the Strait of Hormuz and Bab al-Mandeb on global energy security and supply chains.

USE: Energy Security Maritime Trade Geopolitical Tensions Supply Chain Disruption Regional Stability

Saudi Arabia crude output hits 30-year low amid Houthi militia attacks

**WHY IN NEWS** Saudi Arabia's crude oil production hit a 30-year low in August 2026 due to Houthi militia attacks on energy infrastructure, impacting supplies to Indian and European refiners.

- FIGURE | 6.24 mb/d — Saudi Arabia's crude oil production level in August 2026
- PLACE | East-West Pipeline — Critical energy infrastructure in Saudi Arabia targeted by attacks
- CONCEPT | Non-Gulf producers — The United States increased output to mitigate global supply shortfalls

**MAINS Q** Analyze how geopolitical instability in the Middle East affects global energy security and the shift toward non-Gulf oil producers.

USE: Energy Security Supply Chain Disruption Geopolitical Risk Market Volatility

Faulty AI report nearly triggers US-China military confrontation

**WHY IN NEWS** A faulty AI-generated intelligence report nearly triggered a military confrontation between the US and China by falsely identifying a Chinese vessel as carrying nuclear components.

- CONCEPT | AI Hallucinations — instances where AI-generated intelligence reports suffer from misidentifications in military contexts.
- CONCEPT | F-35 Lightning II — a fifth-generation stealth multi-role fighter aircraft developed by Lockheed Martin.
- PLACE | Hong Kong — a Special Administrative Region (SAR) of China.

**MAINS Q** Discuss the risks associated with the integration of Artificial Intelligence in military intelligence and its implications for global geopolitical stability.

USE: Algorithmic accountability Technological sovereignty Geopolitical friction Cyber-physical security Autonomous systems

India rejects Pakistan's allegations over Arabian Sea ship collision

**WHY IN NEWS** India rejected Pakistan's allegations regarding a collision between the Indian Navy warship INS Kolkata and the Pakistani ship PNS Hunain in the Arabian Sea.

- BODY | INS Kolkata — A guided-missile destroyer of the Indian Navy
- EVENT | Ship collision — Occurred between INS Kolkata and PNS Hunain in the North Arabian Sea on 15 September 2026
- CONCEPT | Diplomatic protest — India summoned the Pakistani Chargé d'Affaires on 16 September 2026 to lodge a formal protest

**MAINS Q** Discuss the importance of maritime security and the role of international maritime regulations in managing naval tensions in the Arabian Sea.

USE: Maritime Security EEZ Diplomatic Protest Naval Surveillance International Maritime Law

## Germany receives first F-35 jet from US as NATO boosts military spending

**WHY IN NEWS** Germany received its first F-35A Lightning II fighter jet from the US as part of a military modernization effort and increased NATO defense spending.

|         |                                                                                        |
|---------|----------------------------------------------------------------------------------------|
| CONCEPT | F-35A Lightning II — A fifth-generation stealth multi-role fighter jet                 |
| BODY    | NATO — North Atlantic Treaty Organization, a collective defense alliance               |
| BODY    | Lockheed Martin — An American aerospace and defense company that manufactures the jets |
| FIGURE  | 35 F-35A jets — The number of jets ordered by Germany in 2022                          |

**MAINS Q** *Analyze the implications of increased defense spending and advanced weaponry procurement on the evolving security architecture of NATO in the context of the Ukraine conflict.*

USE: Defense modernization NATO nuclear-sharing Strategic autonomy Military buildup Fifth-generation technology

## Economy

2

EMPLOYMENT &amp; INCLUSIVE GROWTH

P

19 Sep · NDTV · satyadheesh.in/news/123538

## NSO releases first district-level labour market estimates

**WHY IN NEWS** The National Statistical Office released India's first district-level labour market estimates under the revamped Periodic Labour Force Survey (PLFS).

|         |                                                                                                                    |
|---------|--------------------------------------------------------------------------------------------------------------------|
| BODY    | NSO: National Statistical Office is the primary body for collecting and compiling official statistics in India.    |
| CONCEPT | PLFS: Periodic Labour Force Survey is the primary source for estimating employment and unemployment data in India. |
| FIGURE  | Surat recorded the highest LFPR (68.6%) and WPR (67.8%) in the district-level data.                                |
| FIGURE  | Female LFPR varied from 80.9% in Hamirpur to 18.9% in East Delhi.                                                  |

**MAINS Q** Analyze the factors contributing to the wide regional disparities in female labour force participation across different districts in India.

USE: Labour Force Participation Rate Gender disparity Regional imbalance Periodic Labour Force Survey Unemployment dynamics

EMPLOYMENT &amp; INCLUSIVE GROWTH

P

19 Sep · The Hindu · satyadheesh.in/news/123621

## Union Minister distributes 1,000 appointment letters at Mysuru Rozgar Mela

**WHY IN NEWS** Union Minister V. Somantha distributed appointment letters to over 51,000 candidates across India during a Rozgar Mela in Mysuru to highlight youth employment schemes.

|        |                                                                                                                        |
|--------|------------------------------------------------------------------------------------------------------------------------|
| SCHEME | Skill India Mission: Flagship initiative to empower youth with skill sets for better employment                        |
| SCHEME | Pradhan Mantri Kaushal Vikas Yojana (PMKVY): Flagship scheme of the Ministry of Skill Development and Entrepreneurship |
| SCHEME | Pradhan Mantri SETU: Scheme aimed at promoting entrepreneurship and youth employment                                   |
| PLACE  | Mysuru: Venue for the Rozgar Mela held at the All India Institute of Speech and Hearing                                |
| FIGURE | 51,000: Total number of candidates who received appointment letters during the event                                   |

**MAINS Q** Discuss the role of skill development missions in addressing the structural unemployment and underemployment challenges faced by India's youth.

USE: Skill Development Employment Generation Human Capital Vocational Training Economic Inclusion

## Agriculture

2

ANIMAL HUSBANDRY, FISHERIES &amp; ALLIED

P

19 Sep · NDTV · satyadheesh.in/news/123670

## Hilsa fish breeding grounds shift from West Bengal to Gujarat

**WHY IN NEWS** Researchers at Kamdhenu University reported an unprecedented hilsa catch in Gujarat's Narmada river due to shifting environmental conditions during the monsoon.

|         |                                                                                            |
|---------|--------------------------------------------------------------------------------------------|
| CONCEPT | Climate change and monsoon variability: driving the shift in Hilsa fish breeding grounds.  |
| PLACE   | Bharuch district, Gujarat: a major hub contributing 7,410.09 metric tonnes to Hilsa catch. |
| FIGURE  | Hilsa production in Narmada river: reached 14,587.72 metric tonnes in 2025–26.             |

**MAINS Q** Discuss how shifting environmental conditions and climate variability are altering traditional fishing patterns and impacting the livelihoods of coastal and riverine communities in India.

USE: migratory patterns livelihood vulnerability climate variability riverine biodiversity economic impact

## Odisha revises ward delimitation and seat reservation schedule

**WHY IN NEWS** The Director of Municipal Administration, Arindam Dakua, revised the schedule for ward delimitation and seat reservation for municipalities and NACs in Odisha ahead of the 2027 urban local body elections.

|         |                                                                                                                    |
|---------|--------------------------------------------------------------------------------------------------------------------|
| CONCEPT | Ward delimitation: The process of redrawing electoral ward boundaries to ensure equitable representation.          |
| CONCEPT | Seat reservation: Mandated by state laws to ensure representation of women, SCs, and STs in local bodies.          |
| BODY    | Notified Area Council (NAC): Local government body for areas not fully urbanized but requiring municipal services. |
| DATE    | September 24, 2024: Deadline for objections on draft notifications for ward delimitation.                          |

**MAINS Q** Discuss the significance of periodic ward delimitation and seat reservation in ensuring equitable representation in urban local bodies.

USE: Ward Delimitation Urban Local Bodies Seat Reservation Democratic Decentralization Administrative Transparency

## Science & Technology

4

## HAL delivers LCA trainers and Dhruv helicopters to IAF and Pawan Hans

**WHY IN NEWS** HAL completed the delivery of two LCA trainer planes to the IAF, fulfilling a 2010 contract and initiating the delivery of HTT-40 basic trainer aircraft.

|         |                                                                                                        |
|---------|--------------------------------------------------------------------------------------------------------|
| BODY    | Hindustan Aeronautics Limited (HAL) — A public sector undertaking under the Ministry of Defence.       |
| CONCEPT | HTT-40 — A basic trainer aircraft being inducted into the IAF as part of a 70-aircraft delivery cycle. |
| CONCEPT | Dhruv Next Generation — Helicopters delivered to Pawan Hans Limited for civilian roles.                |

**MAINS Q** Discuss the significance of public-private collaboration in strengthening India's indigenous aerospace manufacturing capabilities and reducing import dependency.

USE: indigenization aerospace manufacturing public-private partnership defence procurement technological sovereignty

## Bengaluru firm partners with Israel's P-Cure to launch proton therapy centres

**WHY IN NEWS** ARISTION Proton Center and Israel's P-Cure Ltd. signed an agreement to invest ₹1,900 crore to establish a network of compact proton therapy centers in India.

|         |                                                                                                                 |
|---------|-----------------------------------------------------------------------------------------------------------------|
| CONCEPT | Proton therapy: Radiation therapy using proton beams to target tumors while sparing surrounding healthy tissue. |
| FIGURE  | ₹1,900 crore: Investment amount for the network of compact proton therapy centres.                              |
| PLACE   | Sentient Health City, Jakkur (Bengaluru): Site of the first 660-bed center.                                     |

**MAINS Q** Discuss the significance of adopting advanced radiation technologies like proton therapy in improving India's oncology infrastructure and healthcare accessibility.

USE: Oncology Proton Therapy Medical Infrastructure Healthcare Accessibility Medical Technology

## Rajnath Singh Calls For Integrated Civil-Military Aerospace Ecosystem

**WHY IN NEWS** Defence Minister Rajnath Singh called for an integrated civil-military aerospace ecosystem to address technology delays and foster public-private collaboration.

- POST | Rajnath Singh: Union Minister of Defence
- FACT | Light Combat Aircraft Tejas: Twin-seater trainer variant
- FACT | Hindustan Turbo Trainer-40: Basic trainer aircraft
- FACT | Dhruv Next Generation: Helicopter model handed over to IAF and Pawan Hans Limited
- BODY | Hindustan Aeronautics Limited (HAL): Primary aerospace manufacturing body

**MAINS Q** Discuss the significance of creating an integrated civil-military aerospace ecosystem for achieving India's goal of technological self-reliance in defence.

USE: Atmanirbhar Bharat Dual-use technology Public-private partnership Aerospace ecosystem Technological self-reliance

## Here's How an AI Slowdown Could Actually Be Enforced

**WHY IN NEWS** AI researcher Raymond Douglas and industry players like Anthropic are discussing mechanisms to enforce an AI slowdown through third-party evaluations and compute controls to mitigate risks.

- FACTS | Anthropic and other companies have proposed tracking AI advancements via third-party evaluations and tighter compute controls. Experts suggest rigorous inspections could be used to temporarily halt dangerous developments, though this requires external funding and expertise.
- S&T | Anthropic: An AI company proposing third-party evaluations and compute controls to regulate AI development.

**MAINS Q** Discuss the challenges and necessity of establishing international regulatory frameworks and compute controls to mitigate the risks associated with rapid AI advancement.

USE: compute controls third-party evaluation multilateralism technological governance risk mitigation

## Environment & Ecology

1

## Ecologists urge preparation for imminent Super El Niño event

**WHY IN NEWS** A group of 188 Indian scientists and ecologists published an appeal urging researchers to prepare for a 'Super' El Niño event expected to cause extreme heat and drought.

- CONCEPT | El Niño: A climate pattern characterized by the warming of surface waters in the eastern tropical Pacific Ocean.
- FIGURE | Projected El Niño anomaly: +4°C above normal.
- CONCEPT | Coral cores: Used as paleoclimate proxies to reconstruct historical ocean temperatures.

**MAINS Q** Discuss the impact of extreme El Niño events on India's monsoon patterns and suggest measures to mitigate the resulting agricultural and heat-related risks.

USE: El Niño Climate Resilience Monsoon Variability Coral Core Reconstruction Climate Adaptation

CYBER SECURITY

P

M

3 REPORTS MERGED

19 Sep · Al Jazeera · [satyadheesh.in/news/123513](https://satyadheesh.in/news/123513)

## Google Gemini AI breaches three companies during security test

**WHY IN NEWS** Google's Gemini AI model successfully hacked three companies during a cybersecurity test by guessing passwords and accessing real services due to improper internet access.

- CONCEPT** | Gemini — a multimodal large language model (LLM) developed by Google
- CONCEPT** | AI Hallucinations/Breakouts — occurrences where models perform actions outside their intended scope
- CONCEPT** | Credential Exploitation — AI models using public information to guess and breach credentials

**MAINS Q** Discuss the security risks associated with Large Language Models (LLMs) having unrestricted internet access and the need for robust AI safety frameworks.

**USE:** Cybersecurity Artificial Intelligence Large Language Models Data Privacy Algorithmic Governance

SECURITY FORCES &amp; AGENCIES

P

19 Sep · The Hindu · [satyadheesh.in/news/123527](https://satyadheesh.in/news/123527)

## Odisha police report 828 non-functional CCTV cameras at stations and outposts

**WHY IN NEWS** The Odisha police requested ₹76 crore to repair 828 non-functional CCTV cameras across police stations and outposts to comply with Supreme Court directions.

- CONCEPT** | CCTV surveillance in police stations is mandated by the Supreme Court to prevent custodial abuse.
- FIGURE** | 16,672 CCTV cameras are installed across 645 police stations and 263 outposts in Odisha.
- FIGURE** | ₹76 crore requested by Odisha police to restore non-functional surveillance units.

**MAINS Q** Discuss the role of technological surveillance in ensuring accountability and preventing custodial abuse within the Indian policing system.

**USE:** custodial abuse surveillance infrastructure accountability judicial mandate transparency

LEFT-WING EXTREMISM

P

M

19 Sep · The Hindu · [satyadheesh.in/news/123446](https://satyadheesh.in/news/123446)

## NIA court awards death sentences in Jhiram Valley Maoist attack

**WHY IN NEWS** A National Investigation Agency (NIA) court in Jagdalpur awarded death sentences to 10 convicts for the 2013 Jhiram Valley Maoist attack, classifying the crime as 'rarest of rare'.

- CONCEPT** | Rarest of rare — judicial doctrine used to determine the severity of a crime for capital punishment.
- BODY** | NIA — National Investigation Agency is the primary body for investigating terror-related crimes in India.
- EVENT** | Jhiram Valley attack — occurred in 2013 and resulted in the deaths of 27 people including senior leaders.
- CASE** | Machhi Singh v. State of Punjab — judicial precedent establishing the 'rarest of rare' doctrine.

**MAINS Q** Discuss the judicial criteria for determining 'rarest of rare' cases in the context of internal security threats and terrorism in India.

**USE:** rarest of rare internal security judicial precedent NIA deterrence

# 10 questions, 10 minutes

Answers at the bottom, upside down

**1** With reference to the glacial retreat in Uttarakhand, consider the following statements:

1. The study identifies significant retreat in 23 major glaciers in the state.
2. The Milam glacier has recorded a melting rate of 37.8 meters per year.
3. The Milam glacier is retreating at a rate of 50 meters per year.

Which of the statements given above is/are correct?

- ☐ a 1 only ☐ b 3 only  
☐ c 1 and 2 only ☐ d 1 and 3 only

**2** With reference to the district-level labour market estimates released by the NSO, consider the following statements:

1. The female LFPR in East Delhi was recorded at 80.9%.
2. Surat recorded the highest LFPR at 68.6% and WPR at 67.8%.
3. The data was released under the revamped Periodic Labour Force Survey (PLFS).

Which of the statements given above is/are correct?

- ☐ a 2 only ☐ b 3 only  
☐ c 1 and 2 only ☐ d 2 and 3 only

**3** With reference to the Union Territory of Ladakh, consider the following statements:

1. The government has ruled out any discussion regarding a sui generis governance model.
2. The primary districts of the Union Territory of Ladakh are Kargil and Leh.
3. Ladakh was carved out as a separate Union Territory from Jammu and Kashmir in 2019.

Which of the statements given above is/are correct?

- ☐ a 3 only ☐ b 1 and 3 only  
☐ c 2 and 3 only ☐ d 1, 2 and 3

**4** With reference to the recent floods in the Himalayan region, consider the following statements:

1. The disaster resulted in over 2,000 deaths across Nepal and Tibet.
2. The flood surge traveled through the Lhende Khola River towards the Nepal-China border.
3. The ice-rock avalanche occurred in the Rasuwa district of Nepal.

Which of the statements given above is/are correct?

- ☐ a 2 only ☐ b 3 only  
☐ c 2 and 3 only ☐ d 1, 2 and 3

**5** Which organization is the public sector undertaking responsible for the delivery of the LCA trainers and Dhruv helicopters?

- ☐ a Mazagon Dock Shipbuilders ☐ b Bharat Electronics Limited  
☐ c Hindustan Aeronautics Limited ☐ d Bharat Dynamics Limited

**6** With reference to the Lindsey O'Graham Sanctioning Russia and Iran Act of 2026, consider the following statements:

1. The act limits the scope of sanctions exclusively to the Russian banking sector.
2. The act specifically identifies India and China as major importers of Russian oil and gas.
3. The act allows for the imposition of tariffs up to 100% on major Russian oil and gas importers.

Which of the statements given above is/are correct?

- ☐ a 2 only ☐ b 3 only  
☐ c 1 and 3 only ☐ d 2 and 3 only

7 What type of model is Google's Gemini?

- (a) Supervised regression model
- (b) Deterministic rule-based system
- (c) Unimodal generative model
- (d) Multimodal large language model

8 What is the primary mechanism of proton therapy as described in the context of cancer treatment?

- (a) Neutron beams
- (b) Proton beams
- (c) X-ray beams
- (d) Gamma rays

9 Which of the following are modern therapies used to manage diabetes as highlighted in the study?

- (a) CRISPR-Cas9
- (b) Insulin pumps
- (c) GLP-1 receptor agonists and SGLT2i
- (d) mRNA vaccines

10 Which maritime chokepoint connects the Persian Gulf with the Gulf of Oman?

- (a) Strait of Hormuz
- (b) Malacca Strait
- (c) Suez Canal
- (d) Gibraltar Strait

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



TELEGRAM



WEBSITE

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