



# CURRENT AFFAIRS

# 24 QUES DIRECT HITS

FROM X IAS - MONTHLY  
MAGAZINE- CURRENT  
EXPRESS IN PRELIMS 2025



(November 2024  
Current X-press)

34. Consider the following statements :

Statement I :

Article 6 of the Paris Agreement on climate change is frequently discussed in global discussions on sustainable development and climate change.

Statement II :

Article 6 of the Paris Agreement on climate change sets out the principles of carbon markets.

Statement III :

Article 6 of the Paris Agreement on climate change intends to promote inter-country non-market strategies to reach their climate targets.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement II and Statement III are correct and both of them explain Statement I
- (b) Both Statement II and Statement III are correct but only one of them explains Statement I
- (c) Only one of the Statements II and III is correct and that explains Statement I
- (d) Neither Statement II nor Statement III is correct

Q 34

#### ARTICLE 6 – CARBON CREDITS

**Recent Update:** At the COP29 climate summit in Azerbaijan, countries aim to finalize rules for a global carbon offset trading system under Article 6 of the Paris Agreement, enhancing international cooperation in emission reductions.

**About:**

- **Carbon Offsets:**
  - Mechanisms enabling governments or companies to offset **greenhouse gas emissions** by funding emission reduction projects.
  - Examples: **Solar installations, electric vehicle adoption, mangrove restoration.**
- **Article 6 of the Paris Agreement:**
  - Framework for **international carbon trading.**
  - **Article 6.2:** Bilateral agreements for trading **carbon credits.**
  - **Article 6.4:** **UN-managed centralized trading system.**

(January 2025  
Current X-press)

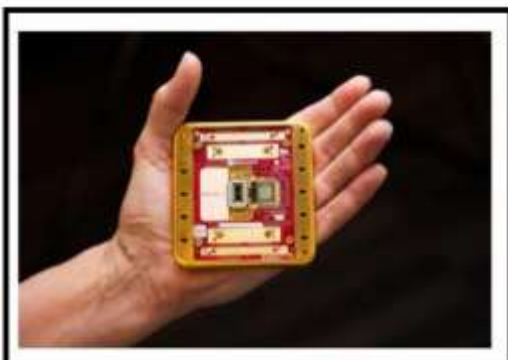
47. Consider the following statements :

- I. It is expected that Majorana 1 chip will enable quantum computing.
- II. Majorana 1 chip has been introduced by Amazon Web Services (AWS).
- III. Deep learning is a subset of machine learning.

Which of the statements given above are correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

Q47



#### MICROSOFT MAJORANA 1

**Recent Update:** Microsoft introduced the **Majorana 1 quantum chip**, designed to improve the stability of quantum computing systems.

**About:**

- **Majorana 1 Chip:** A quantum computing chip using **Majorana particles** for error resistance.
- **Features:**
  - **Topoconductors:** Uses new materials for stable quantum states.
  - **Error-Resistant Qubits:** More stable than traditional qubits.
  - **Scalability:** Can scale up to 1 million qubits for practical quantum computing.

Q48

48. With reference to monoclonal antibodies, often mentioned in news, consider the following statements :

- I. They are man-made proteins.
- II. They stimulate immunological function due to their ability to bind to specific antigens.
- III. They are used in treating viral infections like that of Nipah virus.

Which of the statements given above are correct?

- (a) I and II only
- (b) II and III only
- (c) I and III only
- (d) I, II and III

July 2024  
Current  
X-press

#### MONOCLONAL ANTIBODIES

**Recent Update:** Monoclonal antibodies (mAbs) continue to be widely used in **diagnostics, treatments, and cell analysis**, offering targeted therapies for diseases like **cancer and autoimmune disorders**.

**About:**

- **Monoclonal antibodies (mAbs)** are **lab-made proteins** designed to mimic **natural antibodies**.
- **Antibodies** are part of the **immune system**, targeting and destroying **foreign materials** (antigens).
- Key **applications** include:
  1. **Diagnostics** (e.g., **ELISA**),
  2. Treating diseases such as **cancer, infections, and autoimmune disorders**,
  3. **Cell analysis** in **blood/tissue** using **fluorescent tags**.

45. Consider the following substances :

- I. Ethanol
- II. Nitroglycerine
- III. Urea

Coal gasification technology can be used in the production of how many of them?

- (a) Only one
- (b) Only two
- (c) All the three
- (d) None

June 2024  
Current  
X-press

#### COAL GASIFICATION

**Recent:** The Ministry of Coal has invited proposals for coal gasification projects under an Rs 8,500 crore **Viability Gap Funding (VGF)** scheme. VGF supports projects that are **economically justified** but not **financially viable** on their own.

**About:** Syngas is used to produce **fertilizers, fuels, solvents, and synthetic materials**.

**Process:**

1. **Preparation:** Coal is crushed to increase surface area for better chemical reactions.
2. **Gasification Reactor:** Crushed coal is fed into a high-temperature, high-pressure reactor with limited oxygen and steam.
3. **Chemical Reactions:** Coal undergoes chemical reactions, breaking down into syngas components.
4. **Gas Cleaning:** Impurities like tar, sulfur, and dust are removed from raw syngas before further use.

Q45

9. Consider the following statements :

Statement I :

Circular economy reduces the emissions of greenhouse gases.

Statement II :

Circular economy reduces the use of raw materials as inputs.

Statement III :

Circular economy reduces wastage in the production process.

Which one of the following is correct in respect of the above statements?

- (a) Both Statement II and Statement III are correct and both of them explain Statement I
- (b) Both Statement II and Statement III are correct but only one of them explains Statement I
- (c) Only one of the Statements II and III is correct and that explains Statement I
- (d) Neither Statement II nor Statement III is correct

#### VOLUNTARY VEHICLE MODERNIZATION PROGRAM

**Recent Update:** Union Ministry of Road Transport and Highways launched the **Vehicle Scrapping Policy** to promote a **circular economy** in the automotive sector.

**About:**

- **Circular Economy:** Aims to reduce raw material consumption and encourage recycling.
- **Scrappage Certificate:** Provided to owners of unfit vehicles to avail discounts on new purchases.
- **Incentives:** Discounts of up to **3% for commercial vehicles** and **1.5% for passenger vehicles** on ex-showroom prices.

6. Consider the following statements :
- I. India has joined the Minerals Security Partnership as a member.
  - II. India is a resource-rich country in all the 30 critical minerals that it has identified.
  - III. The Parliament in 2023 has amended the Mines and Minerals (Development and Regulation) Act, 1957 empowering the Central Government to exclusively auction mining lease and composite license for certain critical minerals.
- Which of the statements given above are correct?
- (a) I and II only    (b) II and III only  
 (c) I and III only    (d) I, II and III

(September 2024  
 Current  
 X-press) [P.T.O.]

MINERALS SECURITY PARTNERSHIP FINANCE NETWORK

Recent Update: India joined the US-led Minerals Security Partnership (MSP) Finance Network to ensure sustainable critical mineral supply chains.

About:

- **Global Collaboration:** Joint financing body for critical mineral projects worldwide.
- **Objectives:** Strengthen Indo-Pacific and European cooperation for sustainable supply chains.
- **Critical Minerals:** Includes lithium, cobalt, nickel, and rare earth elements crucial for modern technologies.

Q6

84. With reference to India's defence, consider the following pairs :

Aircraft type	Description
I. Dornier-228	: Maritime patrol aircraft
II. IL-76	: Supersonic combat aircraft
III. C-17 Globemaster III	: Military transport aircraft

#### ZORAWAR LIGHT TANK

**Recent Update:** The DRDO successfully completed the first phase of developmental field trials for the Zorawar Light Tank, designed for high-altitude deployment, especially in Ladakh.

**About:**

- Tested in desert terrain, met all performance goals.
- Developed by CVRDE and L&T.
- Weighs 25 tonnes, highly mobile and versatile.
- Can be transported by C-17 aircraft.
- Integrates technologies like unmanned systems and loitering munition.

3. With reference to the Government of India, consider the following information :

	Organization	Some of its functions	It works under
I.	Directorate of Enforcement	Enforcement of the Fugitive Economic Offenders Act, 2018	Internal Security Division-I, Ministry of Home Affairs
II.	Directorate of Revenue Intelligence	Enforces the Provisions of the Customs Act, 1962	Department of Revenue, Ministry of Finance
III.	Directorate General of Systems and Data Management	Carrying out big data analytics to assist tax officers for better policy and nabbing tax evaders	Department of Revenue, Ministry of Finance

In how many of the above rows is the information correctly matched?

- (a) Only one      (b) Only two  
(c) All the three      (d) None

#### AIRBORNE EARLY WARNING & CONTROL SYSTEMS (AEW&C) IN INDIA

**Recent Update:**

- Netra AEW&C developed by DRDO on Embraer ERJ-145 jets.
- **Phalcon AWACS provides 360-degree radar coverage mounted on IL-76.**

**About:**

- **AEW&C Role:** Detects and tracks enemy aircraft and UAVs, a critical force multiplier.
- **Netra System:** Indigenous, provides 240-degree coverage at 200 km range.
- **Phalcon AWACS:** Israeli system, provides full 360-degree radar coverage.

#### Airborne Early Warning and Control System (AEW&C)



#### SOURCE: INDIAN EXPRESS

#### DIRECTORATE OF REVENUE INTELLIGENCE

**Recent Update:** The DRI Smuggling Report 2023-24 highlights the evolution of narcotics smuggling routes affecting India.

**About Directorate of Revenue Intelligence (DRI):**

- **Established:** 1957.
- **Headquarters:** New Delhi, India.
- **Ministry:** Under the Ministry of Finance, Government of India.
- **Functions:**
  - Prevents and investigates smuggling of narcotics, gold, counterfeit currency, and wildlife.
  - Collaborates with international agencies to combat transnational crimes.

82. Consider the following statements :

- I. Indian Railways have prepared a National Rail Plan (NRP) to create a 'future ready' railway system by 2028.
- II. **Kavach** is an Automatic Train Protection system developed in collaboration with Germany.
- III. **'Kavach'** system consists of **RFID** tags fitted on track in station section.

## RAILWAY ACCIDENTS AND **KAVACH SCHEME**

### Recent Update:

- The recent collision at **Rangapani** involving the **Kanchenjunga Express** highlights the need for better safety measures.
- **Indian Railways** has seen fluctuating collision rates, with six incidents in 2022-23 and four in 2023-24, emphasizing the need for continued improvements.

### Kavach System

- **Kavach**, launched in 2020, is an **anti-collision system** developed by **RDSO** and **Indian vendors**. It is India's National Automatic Train Protection (ATP) system.
- It operates under Safety Integrity Level-4 (SIL-4) standards, providing automatic braking when approaching a red signal.
- The system sends SOS messages during emergencies and includes live train movement monitoring through the Network Monitor System.

### Components of Kavach:

- **RFID Technology:** Integrated into tracks for automatic identification and data reading.
- **Driver's Cabin:** Equipped with **RFID** readers, a computer, and brake interface.
- **Radio Infrastructure:** Towers and modems installed at stations for communication.

## MERCY PETITION

**Recent Update:** The President of India recently denied

June 2024  
current X-press

41. Consider the following types of vehicles :

- I. Full battery electric vehicles
- II. Hydrogen fuel cell vehicles
- III. Fuel cell-electric hybrid vehicles

How many of the above are considered as alternative powertrain vehicles?

- (a) Only one      (b) Only two  
(c) All the three      (d) None

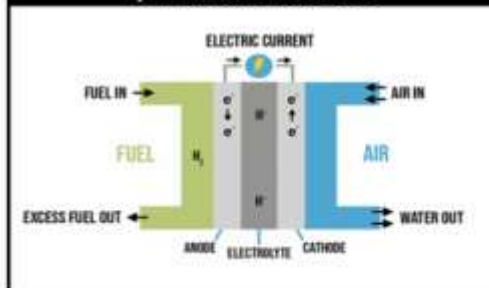
#### HYDROGEN BUSES

**Recent Update:** The Indian Army has partnered with Indian Oil Corporation (IOCL) to demonstrate Hydrogen Fuel Cell Bus technology.

**About:**

- The Army received its first Hydrogen Fuel Cell Bus, with a 37-passenger capacity and a mileage of 250-300 km on a 30 kg hydrogen fuel tank.
- In March 2023, the Army also signed an MoU with NTPC Renewable Energy for Green Hydrogen-based Microgrid Power Plants along the Northern Borders.
- Hydrogen fuel cell technology generates electricity through a reaction between hydrogen and oxygen, with water vapor as the only byproduct, making it a clean alternative to traditional fuels.

#### HYDROGEN FUEL CELL



#### HYBRID ELECTRIC VEHICLES

**Recent Update:**

The Uttar Pradesh government has announced a waiver of registration fees for strong hybrid and plug-in hybrid electric vehicles (EVs), aligning with Tamil Nadu and Chandigarh in promoting cleaner alternatives to petrol and diesel vehicles.

**About:**

- **What is a Hybrid Electric Vehicle (HEV)?**
  - A Hybrid Electric Vehicle (HEV) uses both an internal combustion engine (usually petrol) and a battery-powered motor.
  - The petrol engine drives the vehicle and charges the battery when it's empty, making it less efficient than fully electric or plug-in hybrid vehicles.
- **Types of Electric Vehicles (EVs):**
  - **Battery Electric Vehicle (BEV):** Fully powered by electricity, more efficient than hybrids.
  - **Fuel Cell Electric Vehicle (FCEV):** Powered by electric energy produced from chemical energy (e.g., Hydrogen FCEVs).
  - **Hybrid Electric Vehicle (HEV):** Combines both a petrol engine and a battery motor, offering less efficiency than BEVs or PHEVs.

Q41

62. India is one of the founding members of the International North-South Transport Corridor (INSTC), a multimodal transportation corridor, which will connect

*(June 2024 Current X-press)*

- (a) India to Central Asia to Europe via Iran
- (b) India to Central Asia via China
- (c) India to South-East Asia through Bangladesh and Myanmar
- (d) India to Europe through Azerbaijan

*Q62*

### INTERNATIONAL NORTH-SOUTH TRANSPORT CORRIDOR (INSTC)

**Recent Update:** INSTC is a growing multimodal transport network connecting **India to Europe**.

**About:**

- A **7,200 km** network linking the **Indian Ocean to North Europe**.
- Involves **India, Iran, Russia**, and 10 other countries.



24. Consider the following statements about turmeric during the year 2022-23 :

- I. India is the largest producer and exporter of turmeric in the world.
- II. More than 30 varieties of turmeric are grown in India.
- III. Maharashtra, Telangana, Karnataka and Tamil Nadu are major turmeric producing States in India.

LVPK-O-PSO/56A

Oct-2024  
(current  
X-press)

11

**TURMERIC (CURCUMA LONGA)**

**Recent Update:**

- India is the largest producer, contributing 80% of global production

**About:**

- Contains **curcumin** with **anti-inflammatory** and **antioxidant** properties
- Grown in **tropical regions**, requires warm temperatures and **high rainfall**



**NATIONAL TURMERIC BOARD ESTABLISHED**

**Recent Update:** The National Turmeric Board has been launched to support turmeric production and export.

**About:**

- **Objectives:** Farmer welfare, R&D, export promotion, quality control.
- **India's Dominance:** Produces 70% of the world's turmeric.
- **Key Regions:** Maharashtra, Telangana, Meghalaya.

69. Consider the following countries :

- I. United Arab Emirates
- II. France
- III. Germany
- IV. Singapore
- V. Bangladesh

(Sept-2024  
current & prev)

How many countries amongst the above are there other than India where international merchant payments are accepted under UPI?

- (a) Only two      (b) Only three  
(c) Only four      (d) All the five

#### PROJECT NEXUS

##### Recent Update:

India recently joined **Project Nexus**, an international initiative to enable **instant cross-border retail payments** by connecting its **Unified Payments Interface (UPI)** with the **fast payments systems (FPSs)** of **Malaysia, Philippines, Singapore, Thailand**, and other **ASEAN** countries.

##### About:

- **Project Nexus** connects **domestic FPSs** of participating countries for **instant cross-border payments**.
- **Initiated by BIS Innovation Hub**, this platform aims for **instant payments** within **60 seconds**.
- **India's participation** aims to link **UPI** with **partner countries' FPSs**.
- **BIS: Bank for International Settlements** promotes **global financial stability**, serves as a forum for **central banks** to collaborate, and provides banking services to them.
- **BIS's Basel Accords** set global rules for banking supervision.

Q69

(Sept 2024 - Current X-press)

78. Who among the following was the founder of the 'Self-Respect Movement'?

- (a) 'Periyar' E. V. Ramaswamy Naicker
- (b) Dr. B. R. Ambedkar
- (c) Bhaskarrao Jadhav
- (d) Dinkarrao Javalkar

#### SELF RESPECT MOVEMENT

**Recent Update:** A movement for social equality founded in 1921, led by E.V. Ramasamy (Periyar), continues to inspire social reforms in Tamil Nadu.

**About:**

- Rejected **Brahminical authority** and promoted **egalitarianism**.
- Supported **women's rights**, **inter-caste marriages**, and **widow remarriage**.
- Laid the foundation for **Dravida Munnetra Kazhagam (DMK)** and **AIADMK**.

Q78

83. Consider the following space missions :

- I. Axiom-4
- II. SpaDeX
- III. Gaganyaan

(Nov-2024 current X-press)

How many of the space missions given above encourage and support micro-gravity research?

- (a) Only one                      (b) Only two  
(c) All the three                (d) None

LVPK-O-PSO/56A

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Q83

#### SPACE DOCKING EXPERIMENT (SPADEX)

##### Recent Update

- A Hyderabad-based private firm has delivered two 400 kg satellites to ISRO for the **Space Docking Experiment (SPADEX)**, aimed for testing the docking technology by the end of 2024.

##### About

- Space Docking:** Involves the precise connection of two spacecraft, enabling them to work as a single unit for tasks like **refueling, repair, and crew exchange**.
- Docking vs. Berthing:** Docking allows spacecraft to attach autonomously, while berthing requires astronauts' assistance using robotic arms.



Q83

#### AXIOM-4 (AX-4 MISSION)

**Recent Update:** A private spaceflight mission scheduled for 2024 to the **International Space Station (ISS)** in collaboration with **NASA**.

##### About:

- 4th mission of **Axiom Space** to establish a **commercial space station**.
- Will launch with **SpaceX's Falcon 9** and **Crew Dragon** spacecraft.
- Axiom-4** continues efforts to build a **sustainable human presence in Low Earth Orbit (LEO)**.

#### GAGANYAAN MISSION

**Recent Update:** **ISRO** has selected two **Gaganyaan** astronauts to travel to the **International Space Station (ISS)** on the **Axiom-4** mission, scheduled for **October 2024**. The mission will be a collaboration with **NASA** and **Axiom Space**, utilizing **SpaceX's Dragon** spacecraft.

##### About:

- Mission Details:** The astronauts will undergo **training in the US** before the mission.
- Collaboration:** India's space program cooperates with **NASA** and **Axiom Space**.
- Gaganyaan:** India's **first human space mission** is expected **post-2025**, after successful **unmanned missions**.

URANIUM ADULTERATION

92. Consider the following statements in respect of BIMSTEC :

I. It is a regional organization consisting of seven member States till January 2025.

II. It came into existence with the signing of the Dhaka Declaration, 1999.

III. Bangladesh, India, Sri Lanka, Thailand and Nepal are founding member States of BIMSTEC.

IV. In BIMSTEC, the subsector of 'tourism' is being led by India.

Which of the statements given above is/are correct?

(a) I and II            (b) II and III  
(c) I and IV            (d) I only

*June 2024 (current X-prelims)*

### BIMSTEC

**Recent Update:** India recently hosted the 2nd BIMSTEC Foreign Ministers' meeting in Delhi.

**About:**

- **BIMSTEC Members:** Bangladesh, Bhutan, India, Myanmar, Nepal, Sri Lanka, Thailand.
- **Founded:** 1997; Bhutan and Nepal joined in 2004.
- **Leadership:** Rotated in alphabetical order of country names.
- **Permanent Secretariat:** Located in Dhaka, established in 2014.
- **Free Trade Agreement:** Under negotiation.

95. Consider the following statements regarding AI Action Summit held in Grand Palais, Paris in February 2025 :

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Current X:press

- I. Co-chaired with India, the event builds on the advances made at the Bletchley Park Summit held in 2023 and the Seoul Summit held in 2024.
- II. Along with other countries, US and UK also signed the declaration on inclusive and sustainable AI.

Which of the statements given above is/are correct?

- (a) I only                      (b) II only  
(c) Both I and II          (d) Neither I nor II



### TRIANGULAR PARTNERSHIP

**Recent Update:** A report by OECD and the Islamic Development Bank highlights the role of triangular partnerships in a divided world.

**About Triangular Cooperation:**

- **Definition:** A collaboration combining traditional donors and southern countries to share knowledge and solve development issues.
- **Key Advantages:**

- **NSG Waiver:** Allows nuclear trade despite India not signing NPT.

### INDIA-FRANCE RELATIONSHIP

**Recent Update:** India and France co-chaired the AI Action Summit in France.

**About India-France Cooperation:**

- **Economic:** Bilateral trade surpassed USD 13 billion in FY 2022-23.
- **Defense:** Joint exercises like SHAKTI, GARUDA, and VARUNA.
- **Science:** AI collaboration and Life Sciences Innovation Hub.
- **Defence Roadmap:** Focus on co-design and co-development of military hardware.

### BIMSTEC

**Recent Update:** The BIMSTEC Youth Summit was hosted in Gandhinagar, Gujarat.

**About BIMSTEC:**

- **Established:** 1997, through the Bangkok

October 2024  
Current X-press

97. Consider the following statements with regard to BRICS :

- I. 16th BRICS Summit was held under the Chairship of Russia in Kazan.
- II. Indonesia has become a full member of BRICS.
- III. The theme of the 16th BRICS Summit was Strengthening Multiculturalism for Just Global Development and Security.

Which of the statements given above is/are correct?

- (a) I and II      (b) II and III  
(c) I and III      (d) I only

### 16TH BRICS SUMMIT, 2024

**Recent Update:** Hosted by Russia in Kazan from **October 22-24, 2024**, with a focus on **multilateralism** and **Global South** interests.

**About:**

- **Theme:** "Strengthening Multilateralism for Just Global Development and Security".
- **Initiatives:** BRICS Grain Exchange, Cross-Border Payment System, BRICS (Re)Insurance Company.
- **BRICS R&D Vaccine Centre** announced to support vaccine research.

### KAZAN DECLARATION, 2024

**Recent Update:** The **Kazan Declaration** was adopted at the **16th BRICS Summit**, outlining goals for **global development** and **security**.

**About:**

- Advocates **multilateralism** and **fair global order**.
- **Kazan:** Capital of Tatarstan, Russia, a center for **petrochemicals** and **military industries**.
- Promotes **information technology** growth.

### INDIA-INDONESIA RELATIONS

### BRICS

**Recent Update:** Nigeria has been admitted as a partner country in the BRICS grouping, marking the expansion to 10 members.

**About BRICS**

- **Members:** Brazil, Russia, India, China, South Africa, and **new partners (Egypt, Ethiopia, Iran, UAE, Indonesia)**.
- **Three Pillars:** Political, economic, and cultural exchanges.
- **Global Impact:** Represents around 40% of the world's population and 37.3% of global GDP.



- **Concerns:** Environmental risks, river flow alteration, and geopolitical tensions with India and Bangladesh.



### PANGSAU PASS

**Recent Update:** The Pangsau Pass International Festival in Arunachal Pradesh celebrated border trade and cultural exchange.

**About Pangsau Pass**

- **Location:** Situated in the **Patkai Hills**, along the **India-Myanmar border**.

70. Consider the following statements about 'PM Surya Ghar Muft Bijli Yojana' :

- I. It targets installation of one crore solar rooftop panels in the residential sector.
- II. The Ministry of New and Renewable Energy aims to impart training on installation, operation, maintenance and repairs of solar rooftop systems at grassroot levels.
- III. It aims to create more than three lakhs skilled manpower through fresh skilling, and upskilling, under scheme component of capacity building.

Which of the statements given above are correct?

- (a) I and II only
- (b) I and III only
- (c) II and III only
- (d) I, II and III

#### PM SURYA GHAR MUFT BIJLI YOJANA

**Recent Update:** Launched in February 2024, the **PM Surya Ghar Muft Bijli Yojana** will provide 300 units of free electricity per month to 1 crore households.

**About:**

- **Subsidies** for rooftop solar systems and **financial support** directly credited to beneficiary bank accounts.
- The scheme has an **outlay of ₹75,000 crore** and is set to run till 2026-27.
- **Managed by the Ministry of New and Renewable Energy.**

53. With reference to India, consider the following :

- I. The Inter-State Council
- II. The National Security Council
- III. Zonal Councils

How many of the above were established as per the provisions of the Constitution of India?

- (a) Only one      (b) Only two  
(c) All the three      (d) None

### INTER-STATE COUNCIL (ISC)

**Recent Update:** The Inter-State Council (ISC) has been reconstituted to improve coordination between the Centre and states.

**About:**

- Established under **Article 263** by the President in 1990 following the **Sarkaria Commission** recommendations.
- **Chairman: Prime Minister**; includes **Chief Ministers** of states and union territories.

ALIGARH MUSLIM UNIVERSITY'S (AMU) STATUS AS

30. Consider the following statements about the Rashtriya Gokul Mission :

- I. It is important for the upliftment of rural poor as majority of low producing indigenous animals are with small and marginal farmers and landless labourers.
- II. It was initiated to promote indigenous cattle and buffalo rearing and conservation in a scientific and holistic manner.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

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Test Series X-IAS

### RASHTRIYA GOKUL MISSION

#### Recent Update:

The **Ministry of Fisheries, Animal Husbandry & Dairying** highlighted the **Rashtriya Gokul Mission (RGM)** for indigenous bovine conservation and milk production.

#### About:

- RGM was launched in **2014** as part of the **Rashtriya Pashudhan Vikas Yojna** with a budget of **Rs. 2400 crore** (2021-2026).
- Aims to conserve **indigenous bovine breeds** like **Punganur** for **climate resilience** and **high-quality milk** production.
- Focuses on improving **genetic merit**, supporting **Artificial Insemination (AI)**, and **conservation** efforts.
- Introduces **National Digital Livestock Mission** to enhance **data management** and services.

Question Consider the following statements regarding the Rashtriya Gokul Mission:

1. It aims at genetic upgradation of indigenous cattle breeds.
2. It includes establishment of Gokul Grams for housing elite animals.

Type	multiple_choice	
Option	a) 1 only	incorrect
Option	b) 2 only	incorrect
Option	c) Both 1 and 2	correct
Option	d) Neither 1 nor 2	incorrect
Solution	<p><b>Answer:</b> c) Both 1 and 2</p> <p><b>Solution:</b></p> <ul style="list-style-type: none"> <li>• Both statements are correct.</li> <li>• The mission promotes indigenous breeds like <b>Sahiwal, Gir, Rathl</b>.</li> </ul> <p><b>Value Addition:</b></p> <ul style="list-style-type: none"> <li>• Launched under <b>National Programme for Bovine Breeding and Dairy Development</b>.</li> <li>• <b>IVF and embryo transfer</b> are key technologies used.</li> </ul>	
Marks	2	0.66

Q30

79. Consider the following pairs :

	Country	Resource-rich in
I.	Botswana	Diamond
II.	Chile	Lithium
III.	Indonesia	Nickel

**CRITICAL MINERALS**

**Recent Update:** India launches a Critical Mineral Mission to boost its critical minerals sector.

**About:**

- Critical minerals are essential for defence, aerospace, and space applications.
- India has identified **30 critical minerals** including Lithium, Cobalt, and Graphite.
- **KABIL** is exploring mineral assets in Australia, Argentina, and Chile.
- China's restriction on antimony impacts military applications.

**SOURCE: PIR**

4. Peru

- **Diamond** Extraction:
  - Diamonds are extracted from three different ores:
    - Kimberlite pipes
    - Conglomerate
    - Alluvial gravel
  - According to USGS Mineral Commodity Summaries (2023), the leading countries in terms of diamond (industrial) reserves are:
    0. Russia
    1. **Botswana**
    2. Democratic Republic of the Congo

90. Which organization has enacted the Nature Restoration Law (NRL) to tackle climate change and biodiversity loss?

- (a) The European Union
- (b) The World Bank
- (c) The Organization for Economic Cooperation and Development
- (d) The Food and Agriculture Organization

*June 2024  
Current  
X-press*

[ P.T.O. ]

#### EU NATURE RESTORATION LAW

Recent Update: The **EU Nature Restoration Law** has come into force.

About:

- First continent-wide legislation for nature restoration.

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#### NATURE RESTORATION PLAN (NRP)

- The NRP is a continent-wide initiative by the **European Union**, aiming to restore 20% of the EU's land and sea areas by 2030.

## Current Express= One stop solution for CA. All Sources Covered with Proof under 100-120 pages.

- ✓ The Hindu
- ✓ PIB
- ✓ Indian Express
- ✓ Down to Earth
- ✓ Insights Monthly
- ✓ PT365
- ✓ The Scientist
- ✓ Drishti monthly
- ✓ Vision monthly.

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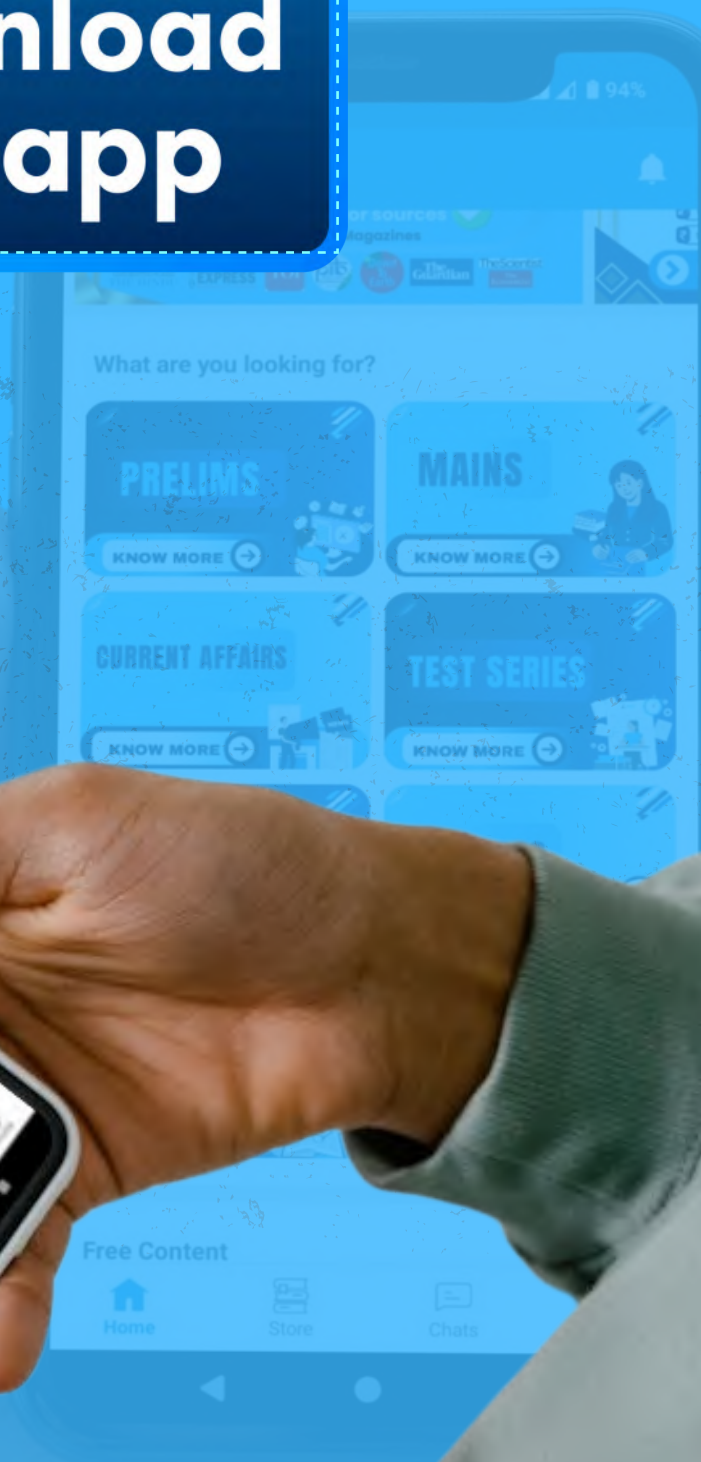
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