International Relations · GS - II

Examine the importance of diversified and resilient energy supply chains for India's energy security and its role in global economic cooperation.

EXAM YEAR	PAPER	SUBJECT
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MARKS	WORD LIMIT
10	~150 words

Answer Hint

Energy security; supplier diversification; geopolitical risks; critical minerals; strategic autonomy; clean-energy transition; international cooperation

Model Answer

Introduction

Reliable access to affordable energy is essential for India's economic growth, industrial development and household welfare. Geopolitical tensions and disruptions in global supply chains make diversification increasingly important.

Importance of Diversification

1. Reducing External Vulnerability

Dependence on a limited number of suppliers or transport routes exposes India to conflicts, sanctions, price volatility and supply disruptions.

2. Supporting Economic Stability

Diversified supplies of oil, gas and critical minerals can reduce the risk of sudden shortages and excessive increases in production and transport costs.

3. Enabling the Energy Transition

Critical minerals are essential for batteries, electric vehicles, renewable energy technologies and other advanced applications. Reliable access supports India's clean-energy ambitions.

India's Strategy

India can strengthen energy security through diversified imports, strategic petroleum reserves, domestic exploration, renewable energy expansion and international partnerships. Recycling and domestic processing of critical minerals can reduce external vulnerabilities.

Role of Global Cooperation

Forums such as the G20 can encourage transparent trade, resilient logistics, technology cooperation and equitable partnerships while respecting national interests.

Conclusion

Energy security requires a balanced strategy combining diversified imports, domestic capacity and international cooperation. Resilient supply chains can strengthen India's strategic autonomy and sustainable growth.

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