Science & Technology · GS - III

Examine the role of global space governance in ensuring the peaceful and sustainable use of outer space. Analyse India's role in promoting international cooperation through space diplomacy.

EXAM YEAR	PAPER	SUBJECT
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MARKS	WORD LIMIT
10	~150 words

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Answer Hint

Global space governance, Outer Space Treaty 1967, space militarisation, space debris, international cooperation, ISRO, South Asian Satellite, space technology partnerships, capacity building, India's space diplomacy.

Model Answer

Introduction

Global space governance refers to international rules, institutions and agreements that regulate activities in outer space. It aims to ensure peaceful exploration, prevent conflicts and promote the sustainable use of space resources.

Main Body

Importance of Global Space Governance

1. Peace and security: The Outer Space Treaty, 1967, establishes principles for the peaceful use of outer space and restricts the placement of weapons of mass destruction in orbit.
2. Sustainability: International cooperation is necessary to address space debris, satellite collisions and the responsible use of orbital resources.
3. Equal access: Global rules can help developing countries access space technology and its benefits.

India's Role in Space Diplomacy

1. International cooperation: ISRO collaborates with foreign space agencies on satellite launches, research and scientific missions.
2. Regional development: The South Asia Satellite demonstrates India's use of space technology for regional communication and development.
3. Global governance: India participates in international forums and supports peaceful space exploration and responsible space activities.
4. Capacity building: India provides satellite launch services and shares space-related expertise with partner countries.

Conclusion

India can strengthen its position as a responsible space power by promoting transparent rules, peaceful cooperation and equitable access to space technology. Effective global governance is essential to prevent conflict and ensure that outer space benefits all humanity.