Environment & Ecology · GS - III

Himalayan climate-related disasters highlight the growing vulnerability of mountain ecosystems and communities. Examine the significance of climate justice in addressing such vulnerabilities, with special reference to climate finance, adaptation and loss and damage.

EXAM YEAR	PAPER	SUBJECT
DAILY PRACTICE 13/11/2026	GS - III	Environment & Ecology

MARKS	WORD LIMIT
10	~150 words

Answer Hint

Himalayan fragility, climate-induced disasters, differential vulnerability, CBDR-RC principle, climate finance, adaptation infrastructure, Loss and Damage Fund, early-warning systems, community resilience, climate justice.

Model Answer

Introduction

The Himalayan region is increasingly exposed to flash floods, landslides, glacial lake outburst floods and other climate-related hazards. These risks highlight the need for climate action based on equity and justice.

Climate Justice and Vulnerability

Mountain communities often have limited resources to withstand extreme events despite contributing relatively little to global greenhouse gas emissions. The principle of Common but Differentiated Responsibilities and Respective Capabilities recognises the unequal responsibilities and capacities of nations.

Role of Climate Finance and Adaptation

Developed countries' climate finance commitments can support vulnerable regions through resilient infrastructure, climate-resilient agriculture, disaster preparedness and improved early-warning systems. Adaptation must be locally appropriate and involve Himalayan communities in planning.

Loss and Damage

The Loss and Damage framework addresses climate impacts that cannot be prevented through mitigation or adaptation alone. Accessible financial support is important for recovery, rehabilitation and rebuilding livelihoods.

Conclusion

Climate justice requires faster emissions reduction, predictable climate finance and stronger adaptation. Protecting the Himalayas demands international cooperation alongside ecologically sensitive regional development.

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