# Environment & Ecology · GS - III

**The growing likelihood of temporarily or persistently exceeding the 1.5°C global warming threshold raises concerns about climate tipping points and international climate justice. Examine the implications and discuss the measures required to strengthen global climate action.**

| EXAM YEAR | PAPER | SUBJECT |
|---|---|---|
| DAILY PRACTICE 12/11/2026 | GS - III | Environment & Ecology |

| MARKS | WORD LIMIT |
|---|---|
| 10 | ~150 words |

## Answer Hint

**Climate tipping points, emission reduction pathways, climate justice, CBDR-RC principle, climate finance, adaptation and resilience, technology transfer, international cooperation.**

## Model Answer

### Introduction

The 1.5°C threshold under the Paris Agreement represents a critical benchmark for limiting climate risks. Its likely overshoot highlights the urgency of accelerating global climate action.

### Implications of Temperature Rise

- **Ecological disruption:** Increased risks of coral reef loss, biodiversity decline, glacier retreat and irreversible ecosystem changes.
- **Extreme weather:** Greater frequency and intensity of heatwaves, floods, droughts and other climate-related disasters.

- **Socio-economic vulnerability:** Threats to agriculture, water security, public health and livelihoods, particularly in developing countries.
- **Tipping points:** Potential destabilisation of critical climate systems, creating cascading and difficult-to-reverse consequences.

**Measures to Strengthen Climate Action**

- **Rapid decarbonisation:** Accelerate renewable energy, energy efficiency and transition away from fossil-fuel dependence.
- **Climate finance:** Developed countries must strengthen predictable financial support for mitigation and adaptation.
- **Climate justice:** Implement the CBDR-RC principle while recognising developing countries' development priorities.
- **Resilience building:** Invest in climate-resilient agriculture, disaster preparedness and sustainable infrastructure.
- **Technology cooperation:** Expand affordable access to clean technologies and capacity-building.

**Conclusion**

A temporary overshoot must not weaken climate ambition. Collective action, equitable financing and accelerated emission reductions remain essential to limiting long-term climate damage.

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