Indian Economy · GS - III

"Modernisation of Indian agriculture requires a transition from a production-centric approach towards a technology-enabled, market-oriented and sustainable farm economy." Examine the key dimensions of this transformation.

EXAM YEAR	PAPER	SUBJECT
DAILY PRACTICE 12/11/2026	GS - III	Indian Economy

MARKS	WORD LIMIT
10	~150 words

Answer Hint

Agricultural productivity, digital agriculture, market linkages, crop diversification, allied sectors, renewable energy, climate-resilient farming, farmer incomes, institutional support.

Model Answer

Introduction

Agriculture remains central to India's livelihood security and rural economy. Modernisation must therefore extend beyond increasing foodgrain output towards improving productivity, profitability and sustainability.

Key Dimensions of Transformation

- **Technology adoption:** Precision farming, improved seeds, drones and digital advisory services can enhance resource efficiency.
- **Market integration:** Better storage, processing, e-NAM and farmer-producer organisations can improve market access and price realisation.
- **Crop diversification:** Pulses, oilseeds, horticulture and other high-value crops can strengthen farm incomes and nutritional security.

- **Allied sectors:** Dairy, fisheries and animal husbandry provide supplementary livelihood opportunities.
- **Green energy:** Solar-powered irrigation and renewable-energy-based processing can reduce fossil-fuel dependence.
- **Climate resilience:** Micro-irrigation, soil conservation and climate-resilient varieties can reduce vulnerability to environmental shocks.

Way Forward

Affordable credit, extension services, rural infrastructure and institutional support must reach small and marginal farmers. Technology adoption should be inclusive and region-specific.

Conclusion

Agricultural modernisation must combine productivity, market access and ecological sustainability. Empowering farmers as entrepreneurs is essential for building a prosperous rural economy and achieving developed India.

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