

GS-III Food processing and related Industries in India- scope and Significance, Location, Upstream and Downstream Requirements, Supply Chain Management.

- 1. Indian agricultural ecosystem is thickly populated by Smallholders and driven by informality in the Domestic Markets, and lack of Scalability, Traceability, Transparency in agri-value chains. In this context analyze the importance of agri start-ups for Indian Agriculture.**

Why this Question?

- The year 2019 turned out to be a golden year for the 450-odd registered agriculture-technology start-ups, as they witnessed a growth rate of 25% (Nasscom, 2019).

Key Demands of Question:

- Explain in brief about the Indian Agricultural ecosystems with the domination of smallholders and the informality.
- Mention the importance of the agri start-ups for Indian Agriculture.
- Explain how agri start-ups will improve the agricultural ecosystem in India.

Directive word:

Analyze:

- To examine in very close detail and to identify the various important points and chief features.

Structure of Answer:

Introduction:

- Give brief intro about the challenges faced by the Indian Agriculture ecosystem. Mention relevant facts about it.

Body:

- Mention why innovations and start-ups is critical to Indian Agriculture.
- Explain how the start-ups will benefits the agricultural in multiple ways. For example, digital technology will help to integrate agri-value chains, market access, etc.
- Highlight the government schemes like start-up India, promotion of use of technological incubators, etc.
- Mention the way forward measures to boost the agri start-ups.

Conclusion:

- Conclude with the need for the convergence of the multiple stakeholder and the innovations and technological improvement to increase the doubling of farmer's income in the changing environment (like Climate change, etc).