

UPSC

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Only write question number in this margin

① Curriculum related to agricultural discipline needs to be reformed for better outcomes. Do you agree with this view? Substantiate.

Agriculture is a primary sector in India with 58% of population contributing with 18% of GVA by FY 22.

Risk factors

Agriculture is today, is affected by the rapidly climate change. eg: Monsoon.

need

Support to farmers to improve the Agri value chain (AVC's), increase farmer income, climate specific agri (resilient) and Innovation.

Government's focus

Government has been focussing on FPDs, agriculture Infrastructure eg: Agri Infrastructure Fund and agri start ups

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Beyond Requirement.

⇒ There is a need to review the existing curriculum to align with market orientated approach

⇒ India's Research Intensity ratio, has been continuously in low 0.4% since decades.

Challenges:

↳ Adapting to climate change, Resilience in agri crops, Adverse weather conditions.

↳ Increase productivity with limited resource
[Land and water]

Focus

Focus must be based on '3' areas

① productivity ② sustainability ③ Resilience

Existing Research

NAHEI → National Agri Higher Education Institution → has brought out market oriented courses (17 courses) on pilot basis, in alignment with NEP 2020, which provides for market ready approach

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NAAS → Nat. Academy of Agri Science → -New Agri

Policy.

Way forward

① Multi disciplinary orientation - engaging Farmers, researchers, governments, market firms etc,

② Socially responsible research - must address.

the sustainability to achieve SDG 12 - Responsible consumption & production. must increase investment

upto 1-2% of GVA, CSR funds, & private sector funds.

③ Location specific needs ⇒ ^{Encourage} Rural youth

to establish Start Agri Startups and Improve the Agri value chains

It results in emp Increasing employment and economy of farming