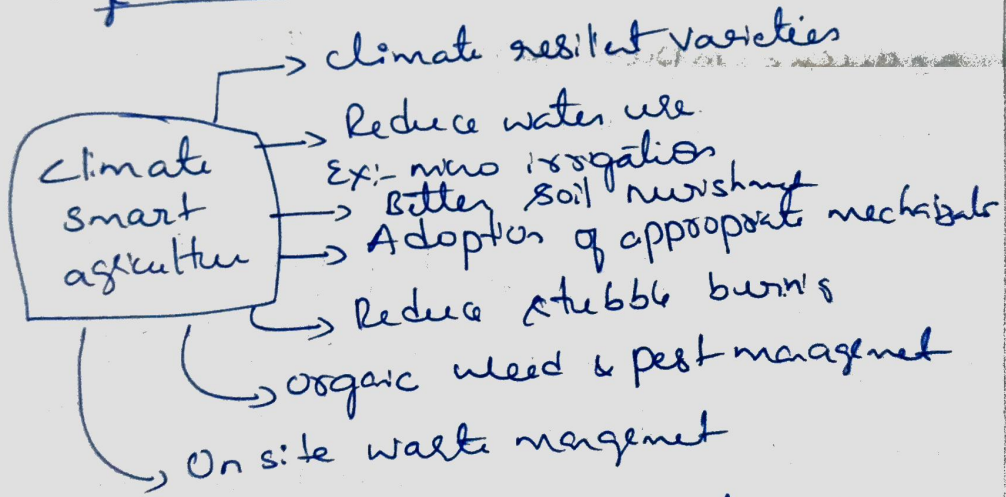


⑧ The concept of climate smart farming has created a substantial impact on farming in the country. Substantiate

According to Intergovernmental panel on climate change (IPCC), agricultural activities contribute fifth of green house gas emission.

Food & agriculture organization created the concept of climate smart agriculture (CSA) which aims to reduce negative impact of agriculture activity on climate change & maintain sustainable agriculture.



In India as part of National mission of Sustainable agriculture over 15 lakh acres & 4.5 lakh farmers are realising benefit of CSA

- ↳ Increase in yield
- ↳ productive & profitable
- ↳ lower input cost
- ↳ Assured return on agr. investment

In state of Odisha, Tawhade have become champion of CSA, with resilient infrastructure, renewable energy.

On private sector firms companies like ITC, Mahindra, also expanding CSA in rural areas which has been largely successful.

ex:- 600 villages in Madhya Pradesh Rajasthan, under CSV production paddy, soabean, onion mango etc.

Yield have increase 30-50% with reducing input cost by 43% & GHG by 60-70%.

CSA offers a hopeful solution to India's small & marginal farmers who suffered from natural hazards at one side & increase in input cost at other side.