

Q.1. Soil health is critical for quality food production and robust food security of the country. Discuss.

Healthy ~~so~~ soils are essential for our survival. ~~Because~~ ~~Because~~ they support healthy ~~pa~~ plant's ~~egrowth~~ to enhance both nutrition and water percolation. Soils help to regulate planet's climate by storing ~~carbon~~ Carbon.

Why soil Degraded:-

① Industrial activities, mining, waste treatment, agriculture, fossil fuel extraction and processing and transport emissions. — Anthropogenic Causes.

② Soil erosion, run off — Natural causes

③ Further excessive ~~p~~ fertilizer and pesticides and irrigation with contaminated water.

④ Soil degradation in some form and another affects around 29% of India's total land area.

Government

Government ~~is~~ Initiatives:-

① The Government implemented a five-pronged strategy for soil conservation.

② Government of India launched Soil Health Cards (SHC) for address the issues of soil, which guides farmers to make ~~nessa~~ necessary soil amendments.

③ Pradhan Mantri Krishi Sinchayee Yojana - ~~for~~ to prevent soil erosion, etc.

④ National Missions for Sustainable Agriculture has scheme promoting traditional indigenous practices such as organic farming.

⑤ The Food and Agriculture Organisation of the United Nations undertakes multiple activities.

Way Forward:-

① There is need to strengthen communication between academia, policy-makers and society for identification as well as anticipatory reports.

② ~~As~~ As a citizens, we can contribute ~~planting~~ trees, kitchen garden and etc.