

1. The entire urban watershed needs to be reformed in order to adopt the erratic climate conditions in the country. explain?

Urban flooding is defined as inundation of land in constructed setting which are generally highly populated. Due to frequent weather changes the floods are intensified and severe than interpreted earlier. This is mainly because of man-made events which results in missing water ways. Thereby urban watershed needs to be reformed in order to adopt the erratic climate conditions in the country.

Role of Climate Change.

→ As floods raged India, IPCC's 6th assessment report stated severe rainfall due to climate change induced by man. → The condition was much severe than interpreted.

Role of encroachment and missing water ways :-

→ In 2015, National green tribunal in India set a committee to study the status of natural storm drains.

→ They found out of 201 natural storm drains 44 were missing.

→ The geospatial imaging established ^{reposted} one 376 km of natural storm drains was missing in Bengaluru.

→ These missing water ways are either because of encroachment or built over.

→ Poor design and corruption - Natural storm drains outlets should ~~be~~ designed based on intensity of water or peak flow but sadly in many ^{states} neither the design is formulated nor implemented.

→ Violating Climate laws, watersheds, floodplain areas are built over by constructing roads etc, surprisingly the state governments are involved in it.

Way forward :-

→ These gover should not be land centric urbanization.
→ Let the urban rivers breathe by returning flood plains.

→ Wetlands policy must be set.
→ Drainage ^{planning} system should be done.

Thereby the urban watershed needs to be healed by less concrete and more democracy and science at the grassroots.