

Discuss sign. & challenges of hydropower in light of recent droughts across the world.

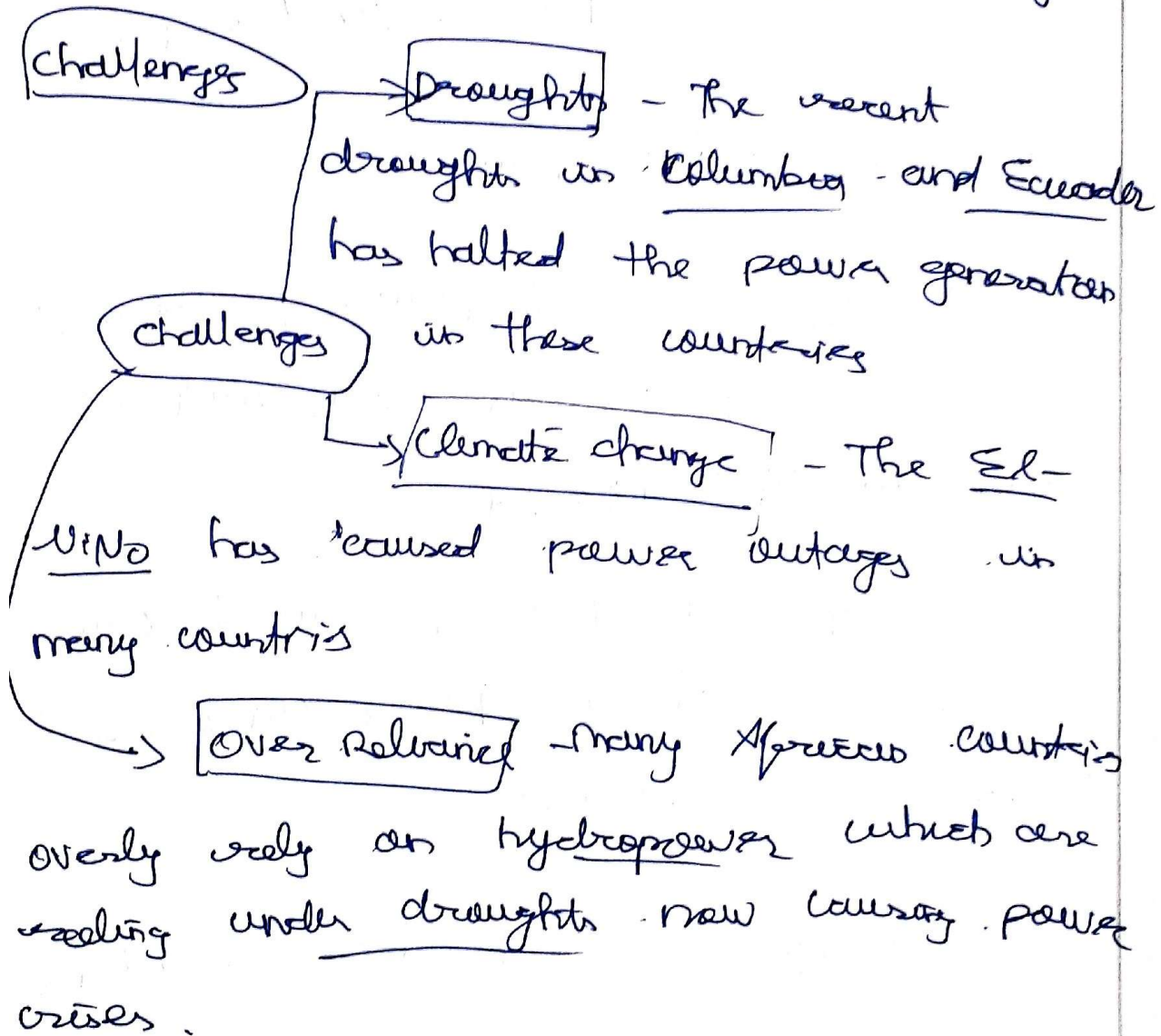
Hydropower is the energy produced by the turbines due to the movement of water. It is a clean source of energy. It is now being impacted by droughts.

Significance of hydro power

- ① Clean source - the power produced by the hydropower is clean without any embedded emissions.
- ② Cheap - the power produced can be sold at a cheaper price compared to sober or nuclear.
- ③ Multipurpose - the barrages/dams can act as irrigation source and simultaneously producing power.

④ Lesser maintenance The hydro power system needs less maintenance with only periodic checks.

Yet, the potential of hydropower is at risk due to increasing drought



The hydropower can be a potent tool to address net zero goals. Integrating it with other renewables and employing pumped storage can make the cut.