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Prelims PYQ, Mains model answers, and copy evaluation. Write to the desk for this paper, a doubt, or the AI waitlist.

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Q8

Seawater intrusion in the coastal aquifers is a major concern in India. What are the causes of seawater intrusion and the remedial measures to combat this hazard?

UPSC Civil Services Mains 2025 · GS III · 10 marks · Environment and Conservation

Conservation, environmental pollution and degradation, environmental impact assessment.

Facts & figures for this PYQ only.

Numbers move. Confirm the latest Budget, Economic Survey or census round. This sheet is for revision, not a substitute for the model answer.

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Ghyben-Herzberg relation

A simple hydrostatic idea: a thick freshwater column is needed to hold back denser seawater.

Chennai hinterland

A much-cited Indian example where urban and farm pumping has pulled salinity inland.

Managed aquifer recharge

Putting rain or treated water back underground to rebuild the freshwater head.

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