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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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Q15

The world is facing an acute shortage of clean and safe alternative freshwater. What are the technologies which can solve this crisis? Briefly discuss any three such technologies, citing their key merits and demerits.

UPSC Civil Services Mains 2024 · GS III · 15 marks · Indian Economy

Indian Economy and issues relating to planning, mobilization of resources, growth, development and employment.

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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Reverse osmosis

The dominant membrane method for seawater and brackish desalination.

Brine

The concentrated salt waste of desalination; dumping it can damage coastal ecology.

Tertiary reuse

High treatment of sewage for industry, parks or, in some countries, drinking-water blending.

Managed aquifer recharge

Engineering percolation so aquifers store monsoon water as an underground reservoir.

Rainwater harvesting

Rooftop and storm-water capture, the urban end of the same recharge idea.

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