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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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Q14

Account for variations in oceanic salinity and discuss its multi-dimensional effects. (250 words).

UPSC Civil Services Mains 2017 · GS I · 15 marks · World's Physical Geography

Salient features of world's physical geography.

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.

<https://wrapexams.com/upsc/mains-answers/gs-1/2017/account-for-variations-in-oceanic-salinity-and-discuss-its-multi-dimensional-effects-250-words/>

Mean salinity ~35 ppt

Standard open-ocean average of dissolved salts, around which regional anomalies are measured.

Red Sea / Persian Gulf

High-evaporation enclosed basins with some of the world's highest surface salinities.

Baltic Sea

Low-salinity enclosed sea freshened by rivers and limited exchange with the North Sea.

Bay of Bengal plume

Ganga-Brahmaputra and monsoon rain create a fresh surface layer unlike the saltier Arabian Sea.

Thermohaline circulation

Density-driven deep flow in which temperature and salinity together move heat through the world ocean.

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