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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.

ask@wrapexams.com · +91 85951 84903 · wrapexams.com

Q15

How do the melting of the Arctic ice and glaciers of the Antarctic differently affect the weather patterns and human activities on the Earth? Explain.

UPSC Civil Services Mains 2021 · GS I · 15 marks · Indian Heritage and Culture

Indian culture will cover the salient aspects of Art Forms, literature and Architecture from ancient to modern times.

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-1/2021/how-do-the-melting-of-the-arctic-ice-and-glaciers-of-the-antarctic-differently-affect-the-weather-patterns-and-human-activities-on-the-earth-explain/>

Albedo feedback

Ice reflects sun; open water absorbs it, amplifying Arctic warming.

Northern Sea Route

Seasonal Arctic shipping lane along Russia as ice retreats.

Thwaites Glacier

West Antarctic glacier watched as a sea-level tipping element.

AMOC

Atlantic overturning that freshwater from ice melt may weaken.

IPCC SROCC

Special report on ocean and cryosphere that separates sea ice from land ice effects.

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