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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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Q6

What is the phenomenon of 'cloudbursts'? Explain.

UPSC Civil Services Mains 2024 · GS I · 10 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-1/2024/what-is-the-phenomenon-of-cloudbursts-explain/>

IMD-type threshold

A commonly cited Indian definition is rainfall of about 100 mm in an hour over a roughly 20-30 square kilometre area.

Orographic convection

Forced ascent of moist air over mountain slopes builds tall cumulonimbus cells that can stall and unload.

Leh 2010

A severe cloudburst and debris-flow disaster in Ladakh, often cited in Indian geography teaching.

Kedarnath 2013

A Himalayan disaster in Uttarakhand involving extreme rain and geomorphic failure in a pilgrim valley.

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