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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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Q7

What is Carbon Capture, Utilization and Storage (CCUS)? What is the potential role of CCUS in tackling climate change?

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.

<https://wrapexams.com/upsc/mains-answers/gs-3/2025/what-is-carbon-capture-utilization-and-storage-ccus-what-is-the-potential-role-of-ccus-in-tackling-climate-change/>

Hard-to-abate

Sectors such as cement where process emissions are chemical, not only from burning coal for electricity.

Direct air capture

Machines that pull CO₂ from ambient air; still expensive compared with not emitting.

Enhanced oil recovery

Pumping CO₂ into oil fields to lift more oil; climate gain depends on whether that extra oil is burned.

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