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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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Q16

what are asteroids? How real is the threat of them causing extinction of life? What strategies have been developed to prevent such a catastrophe?

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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NEO

Near-Earth object: asteroid or comet whose orbit comes close to Earth's.

Chicxulub

The impact linked to the mass extinction at the end of the Cretaceous.

Chelyabinsk, 2013

A small asteroid airburst over Russia that injured people mainly through broken glass.

DART, 2022

NASA's Double Asteroid Redirection Test: a kinetic impact that altered Dimorphos's orbit.

Hera

ESA mission to inspect the Didymos-Dimorphos system after DART.

Gravity tractor

A proposed slow deflection: a spacecraft uses its mass to tug an asteroid off course.

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