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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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Q5

How does the Juno Mission of NASA help to understand the origin and evolution of the Earth?

UPSC Civil Services Mains 2017 · GS I · 10 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-1/2017/how-does-the-juno-mission-of-nasa-help-to-understand-the-origin-and-evolution-of-the-earth/>

Juno orbit insertion, 2016

NASA polar orbiter at Jupiter designed to map interior, atmosphere, and magnetosphere.

Microwave radiometer

Instrument to sense water and ammonia below the visible clouds.

Gravity science

Doppler tracking that tests whether Jupiter's core is compact or diluted.

Solar nebula

The disc of gas and dust around the young Sun from which planets grew.

Dynamo comparison

Jupiter's magnetic field offers a giant-planet analogue to Earth's core-generated magnetosphere.

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