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Q4**What is the Fujiwhara effect? Explain its impact on the movement and intensity of tropical cyclones.**

UPSC Civil Services Mains 2026 · GS I · 10 marks · Geophysical Phenomena

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Important Geophysical phenomena such as earthquakes, tsunami, volcanic activity, cyclone etc., geographical features and their location-changes in critical geographical features (including water-bodies and ice-caps) and in flora and fauna and the effects of such changes.

Facts & figures for this PYQ only.

Numbers move. Confirm the latest Budget, Economic Survey or census round.

Fujiwhara Effect Origin

First documented by Japanese meteorologist Sakuhei Fujiwhara in 1921 through laboratory water-vortex experiments.

Interaction Distance

Typically occurs when two tropical cyclones come within approximately 1,400 kilometers of each other.

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