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Q25

Which of the following are the evidences of the phenomenon of continental drift? I. The belt of ancient rocks from Brazil coast matches with those from Western Africa. II. The gold deposits of Ghana are derived from the Brazil plateau when the two continents lay side by side. III. The Gondwana system of sediments from India is known to have its counterparts in six different landmasses of the Southern Hemisphere. Select the correct answer using the code given below: (a) I and III only (b) I and II only (c) I, II and III (d) II and III only Official key: C.

UPSC Civil Services Prelims 2025 · General Studies · 2 marks · Geography

Physical, Indian and world geography - Prelims GS Paper I.

Explanation

(a)

I and III only. That drops the Ghana-gold-from-Brazil line, which is keyed.

(b)

I and II only. That drops **Gondwana** counterparts.

(c) Official key

I, II and III. Matching ancient rocks across Brazil and West Africa, Ghana gold linked to the **Brazil plateau**, and **Gondwana** sediments in several southern landmasses are all used as continental-drift evidence.

(d)

II and III only. That drops the rock-belt match.

Summary

• **Official Set A key is (c) all three. Wegener-type evidence on this paper:** the Brazil-West Africa ancient-rock belt (I), Ghana's gold linked to the **Brazilian plateau** when the coasts fitted (II), and **Gondwana** sediment counterparts across southern continents (III). All three are scored.

Related possible facts

These can be asked in a future Prelims paper.

Continental drift (Wegener, 1912)

Fit of coasts, fossils, rocks, glacial deposits. Later absorbed into plate tectonics.

Gondwana

Southern supercontinent: India, Africa, Australia, Antarctica, South America, Madagascar.

Glossopteris / Mesosaurus

Classic fossil evidence, not in this stem but in the same chapter.

Plate tectonics vs drift

Drift is the older hypothesis; seafloor spreading supplies the mechanism.

Gondwana coal of India

Peninsular coal measures correlatable across the southern continents - Statement III's neighbourhood.

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