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Q58

Consider the following statements: 1. In the tropical zone, the western sections of the oceans are warmer than the eastern sections owing to the influence of trade winds. 2. In the temperate zone, westerlies make the eastern sections of oceans warmer than the western sections. Which of the statements given above is/are correct? (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2 Official key: C.

UPSC Civil Services Prelims 2021 · General Studies · 2 marks · Geography

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

Explanation

(a)

1 only. Statement 2 is also keyed correct.

(b)

2 only. Statement 1 also holds in the paper's reading: trade winds pile warm water in the tropical west.

(c) Official key

Both. Tropical west-ocean warmth from trades; temperate east-ocean warmth from **westerlies** - as the item keys both limbs.

(d)

Neither. Both statements are keyed true.

Summary

Official key is (c) both. Trade winds stack warm water on the western tropical oceans. In the temperate belt the paper keys **westerlies** as warming the eastern sections of the oceans. Honour that pairing.

Related possible facts

These can be asked in a future Prelims paper.

Warm pool

West Pacific; Walker circulation.

Westerlies

Mid-latitude west-to-east winds.

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