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Q4

Which of the following is/are correct inference/inferences from isothermal maps in the month of January ? 1. The isotherms deviate to the north over the ocean and to the south over the continent. 2. The presence of cold ocean currents. Gulf Stream and North Atlantic Drift make the North Atlantic Ocean colder and the isotherms bend towards the north. Select the answer using the code given below : (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2 Official key: A.

UPSC Civil Services Prelims 2024 · General Studies · 2 marks · Geography

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

Explanation**(a) Official key**

1 only. In January, isotherms bend north over oceans and south over continents in the northern mid-latitudes.

(b)

2 only. **Gulf Stream** and North Atlantic Drift are warm, not cold; they do not make the North Atlantic colder.

(c)

Both. Statement 2 reverses warm and cold.

(d)

Neither. Statement 1 is the correctly keyed inference.

Summary

Official key is (a) 1 only. January isotherms in the northern hemisphere typically bulge north over oceans (water still relatively warm) and south over continents (land much colder). Statement 2 calls the **Gulf Stream** and North Atlantic Drift cold currents and says they make the North Atlantic colder - both claims are wrong. Those are warm currents that pull isotherms north. So only 1 is a correct inference.

Related possible facts

These can be asked in a future Prelims paper.

Gulf Stream

Warm western-boundary current of the North Atlantic.

Isotherm

Line joining places of equal temperature.

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