

Country Code: Student Code:



Question 1

(a)

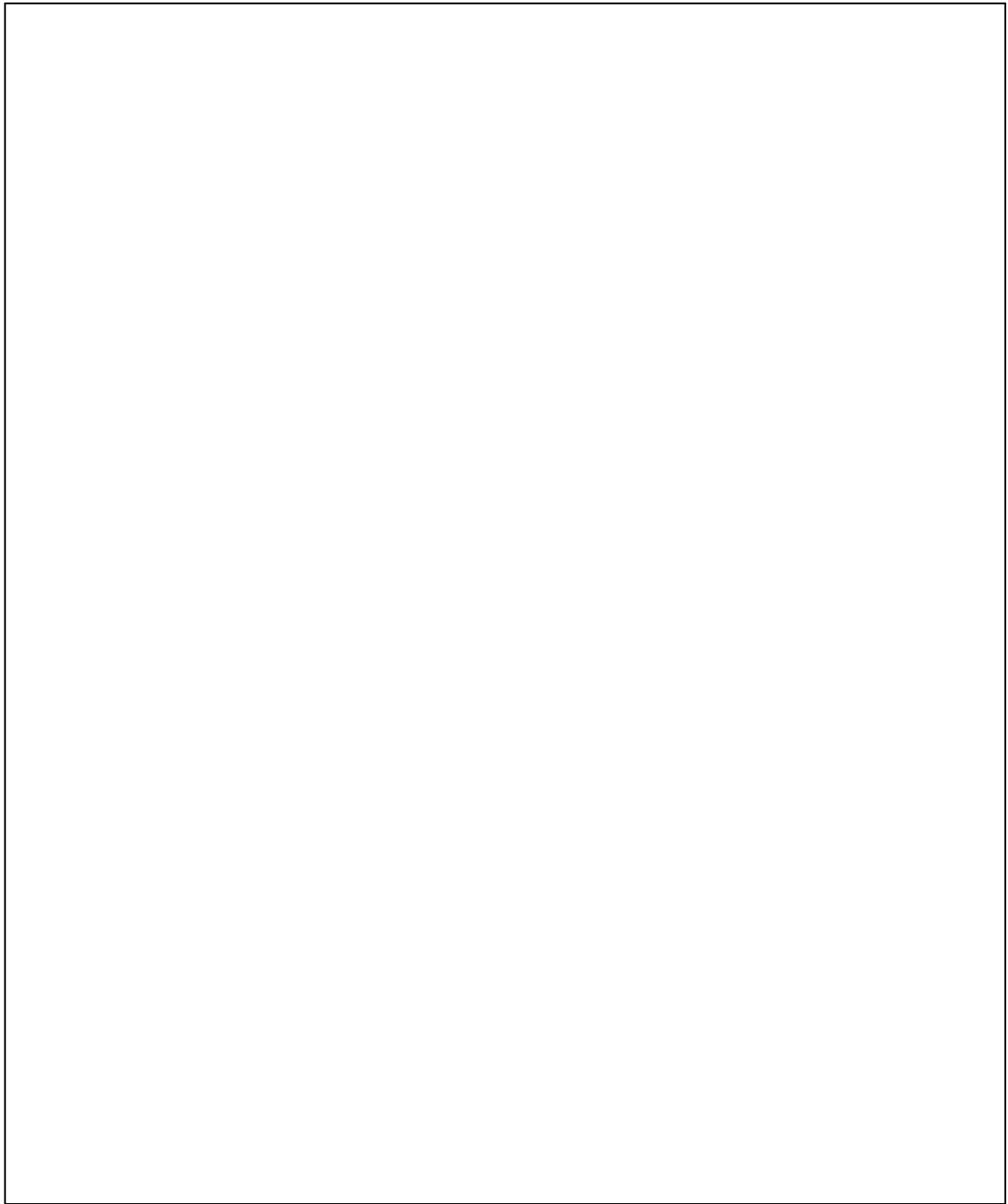
(b) Which of the following explains ultimately why angular momentum is not conserved along the lower branches of the Hadley circulation?

Tick the correct answer(s). There can be more than one correct answer.

- I
- II
- III
- IV

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(c)



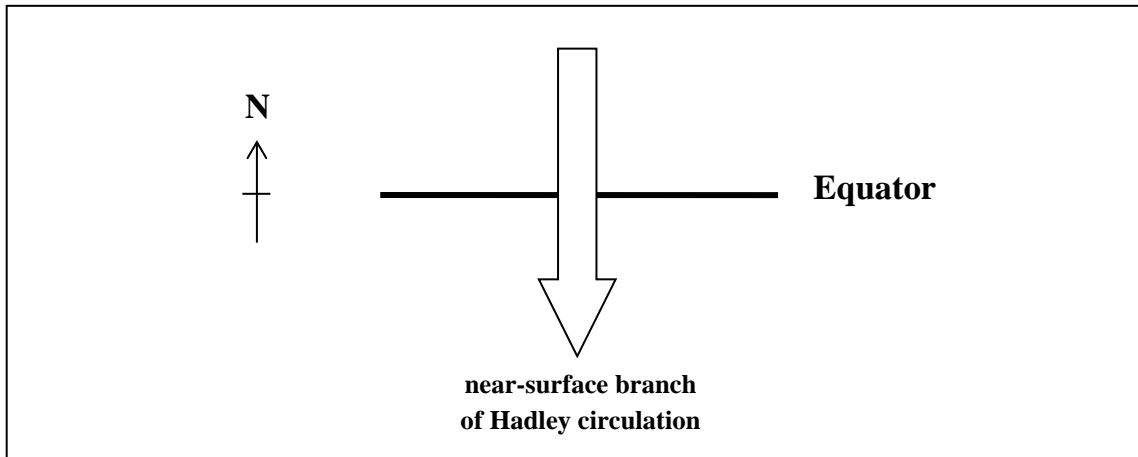
Hence, which hemisphere below has a stronger atmospheric jet stream?

- I
- II
- III

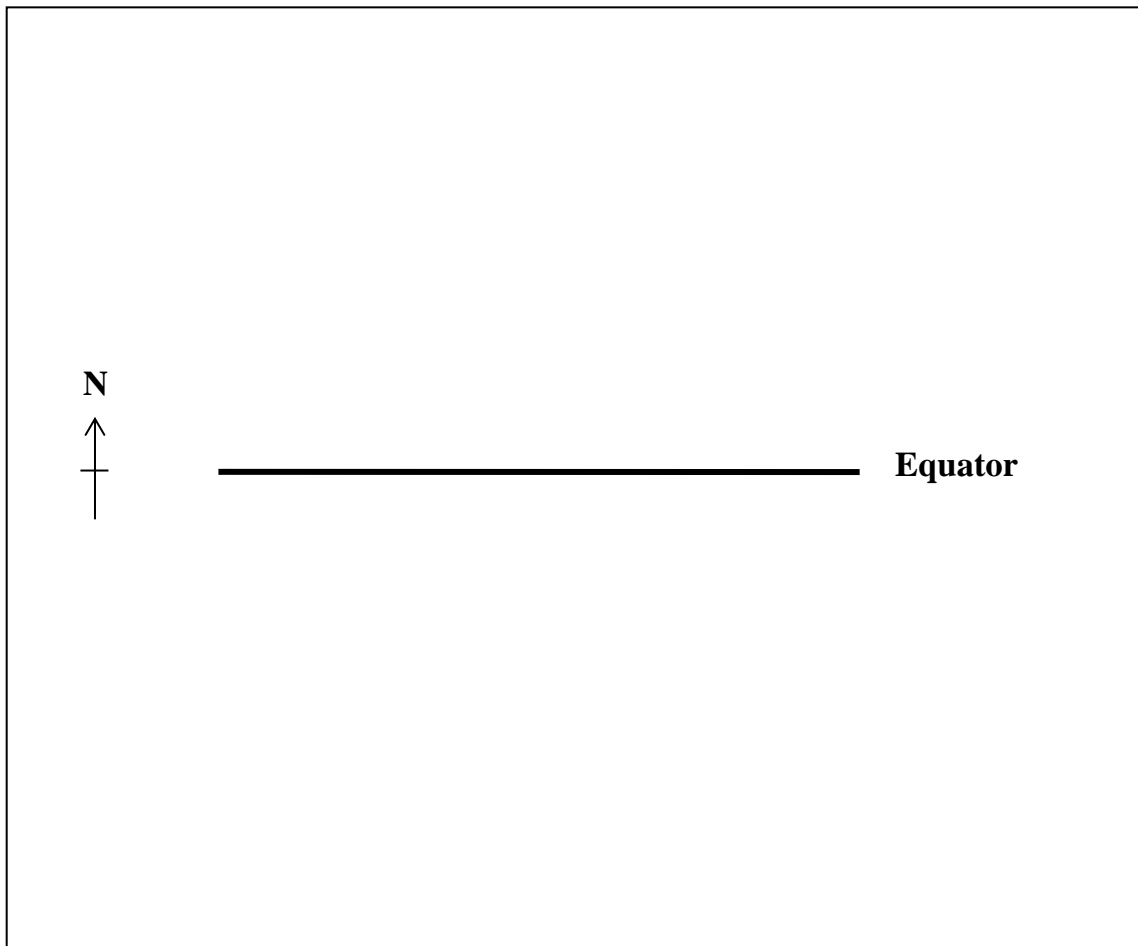
Country Code:

Student Code:

(d)



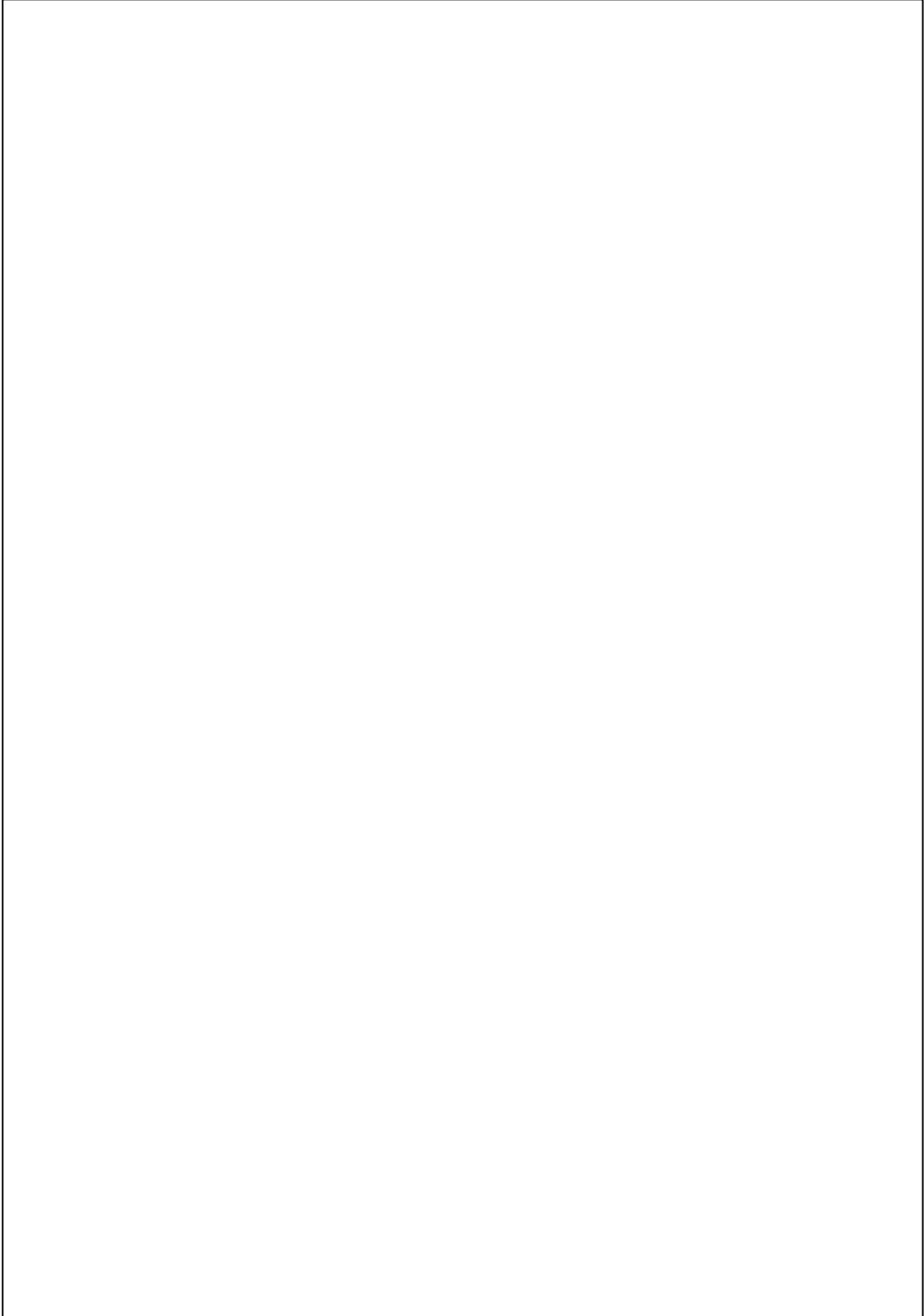
(e)



Country Code:

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(f)



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(g)

A large, empty rectangular box with a thin black border, intended for the student's answer to question (g).

(h)

A large, empty rectangular box with a thin black border, intended for the student's answer to question (h).

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(i) (A)

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(i) (B)

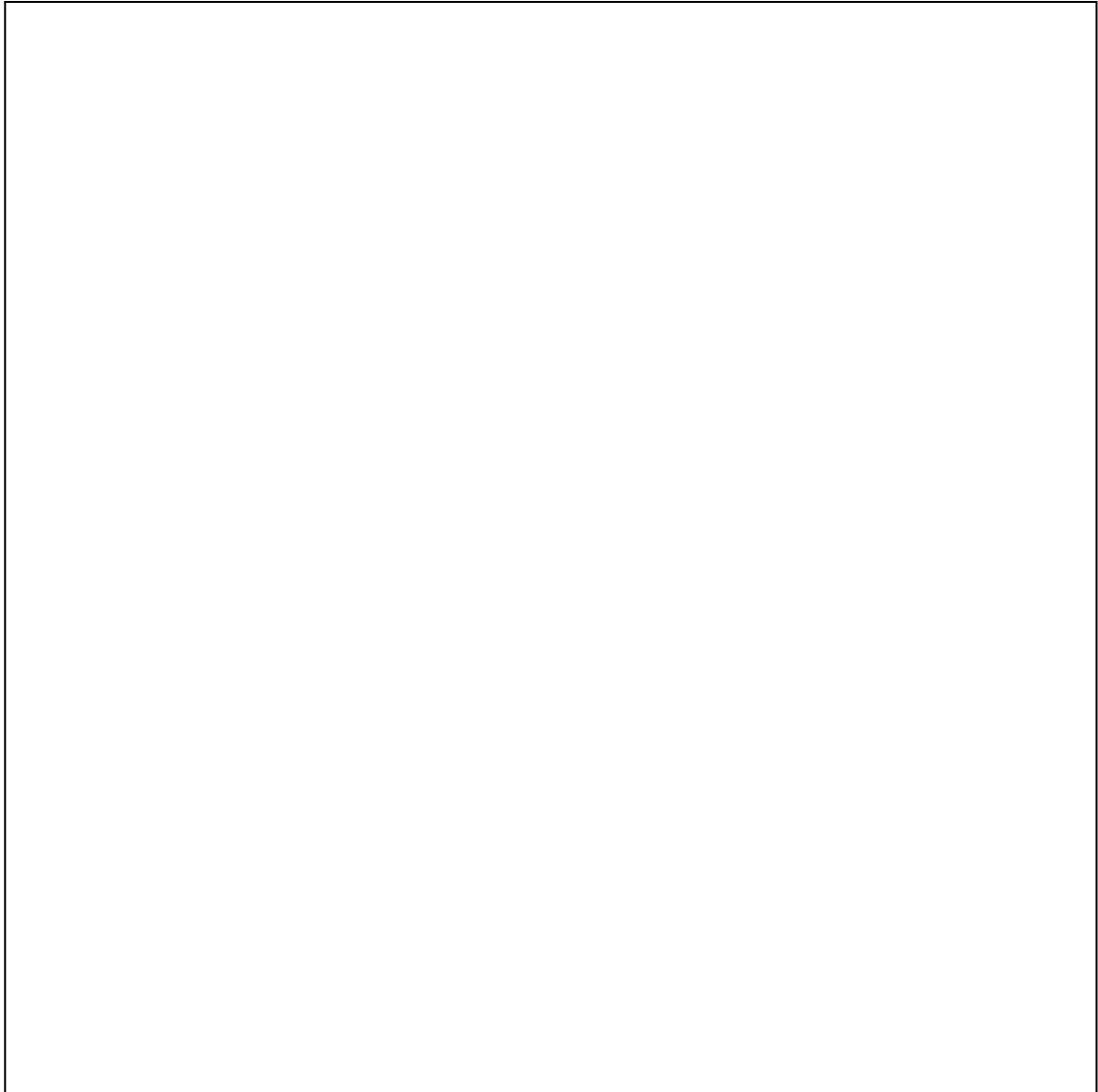
A large, empty rectangular box with a black border, intended for the student's answer to question (i) (B).

(j)

A large, empty rectangular box with a black border, intended for the student's answer to question (j).

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(k)



(l) Which of the following statements explains why ε is less than the ideal value?
Tick the correct answer(s). There can be more than one correct answer.

- I
- II
- III
- IV