THAMMASAT

Quiz 3

(5 points)

Time: 29 October 2021 at 14:50-15:20 (30 minutes)

There are 2 questions. You need to answer all two questions. Please **submit** your answers in a PDF file with a file name "**Quiz3_StudentID_FirstName Surname**" via BE Moodle class before **15:30**.

Question 1: (2.5 points)

"Thailand will formally announce a new pledge to achieve carbon neutrality by 2065 at the COP26 in UK in November 2021."

a. What could be the reasons driving Thailand to set carbon neutrality target at COP26?
b. What policies could be used to achieve carbon neutrality in Thailand?

Question 2: (2.5 points)

"A cost-effective allocation of a uniformly mixed fund pollutant is where marginal costs are equalized for all sources or firms." Do you agree with this statement? Explain the reasons supporting your answer.

Question 1

a) The reasons could be that Thailand aim to reduce GHG emissions and reach long-term temperature goal which is the limitation of global warming to be below 2°C or preferably 1.5°C. Also, Thailand will gain funds from other developed countries as we set a new pledge at COP26 in UK.

b) To achieve carbon neutrality, Thailand could use mitigation policies which focus on reducing emissions and increasing the ability to absorb emissions and adaptation policies which focus on minimizing the harm from Climate Change impacts.

EX Mitigation Policies : put a price on CO_2, Cap-and-Trade

Adaptation Policies : investment in more resilient infrastructure

Question 2

I agree with the statement, the marginal control costs and the marginal damage costs are equal with the quantity of emissions reduced combined for all sources is within the target reduction EX total target = 15 units source 1 = 10 units, source 2 = 5 units

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