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: (2.5 points)

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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?

a.) As emission is one of the most challenging issues in the world, ; also, in Thailand, it affects everyone in many aspects including health, economy etc.

In order to cope with this issue, we need everyone to participate in reducing and avoiding emissions.

Moreover, for those countries that participate in the program, they will offer supports to those countries.

b.) Make the low carbon alternative energy to be more incentivized. Use less fossil fuel which emit a lot of carbon.

There are 2 main policies to reduce the risk from climate change

1) Mitigation policies : to reduce emissions and increase capacity to absorb greenhouse gas

→ Carbon pricing policies

- Carbon tax
- emission trading system → cap & trade

2) Adaptation policies : to minimize negative effects of climate change

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.

Agree

This policy is focused on controlling total quantity of emissions, and minimize the cost of control

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To minimizing the total cost of control, we should set the emission charge where the marginal cost of each firms is equal.
If the bundles that the firms used are not at the cost-effective allocation, there will be an additional cost

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