Course outline

How does an NPTEL online course work?

Week 1

- Introduction to Environmental Economics and Environmental Kuznets Curve Hypothesis Part - 1
- Introduction to Environmental Economics and Environmental Kuznets Curve Hypothesis Part - 2
- Introduction to Environmental Economics and Environmental Kuznets Curve Hypothesis Part - 3
- Introduction to Environmental Economics and Environmental Kuznets Curve Hypothesis Part - 4
- Introduction to Environmental Economics and Environmental Kuznets Curve Hypothesis Part - 5
- Introduction to Environmental Economics and Environmental Kuznets Curve Hypothesis Part - 6
- Week 1 Feedback Form: Environmental & Resource Economics
- Quiz: Week 1: Assignment 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

DOWNLOAD VIDEOS

Week 1: Assignment 1

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

Due on 2021-08-18, 23:59 IST.

1) Environment Kuznets curve *1 point*

- Is a semi circular curve, suggesting increase in per-capita GDP as well as in pollution
- Is a U-shaped curve suggesting the level of development and carbon emission
- Suggests a U-shaped relationship between the carbon emission and ozone layer depletion
- Suggests an inverted U-shaped relationship between the carbon emission and ozone layer depletion
- Suggests a bell shaped relationship between the concentration of certain pollution emission and per-capita real GDP.

No, the answer is incorrect.
Score: 0
Accepted Answers:
Suggests a bell shaped relationship between the concentration of certain pollution emission and per-capita real GDP.

2) The scale effect of economic growth *1 point*

- has negative impact on the environmental quality
- has positive impact on the environmental quality
- has negative impact in the initial stages of growth and positive impact at higher levels of growth
- has positive impact in the initial stages of growth and negative impact at higher levels of growth
- does not have any impact on the environmental quality

No, the answer is incorrect.
Score: 0
Accepted Answers:
has negative impact on the environmental quality

3) At higher stages of growth, *1 point*

- Positive impact of composition and technological effect is higher than the negative impact of scale effect on the environmental quality
- Positive impact of composition and technological effect is smaller than the negative impact of scale effect on the environmental quality
- Negative impact of composition and technological effect is higher than the positive impact of scale effect on the environmental quality
- Negative impact of composition and technological effect is smaller than the positive impact of scale effect on the environmental quality
- Scale effect, composition effect and technological effect has a positive impact on the environmental quality

No, the answer is incorrect.
Score: 0
Accepted Answers:
Positive impact of composition and technological effect is smaller than the negative impact of scale effect on the environmental quality

4) Environmental resources are *1 point*

- The gross production value of the world's goods and services
- The maintenance of the productivity of natural, produced, and human assets to the next generation
- Resources provided by nature that cannot be allocated unit by unit
- The total amount of solar energy converted into biochemical energy through plant photo synthesis
- Both B and C

No, the answer is incorrect.
Score: 0
Accepted Answers:
Resources provided by nature that cannot be allocated unit by unit

5) The environmental Kuznets curve is a(n) _____ curve *1 point*

- S-shaped
- J-shaped
- Inverted J-shaped
- U-shaped
- Inverted U-shaped

No, the answer is incorrect.
Score: 0
Accepted Answers:
Inverted U-shaped

6) According to Simon Kuznets, the relationship between GNP per capita and inequality in the distribution of income can be expressed as *1 point*

- A strictly decreasing relationship
- A strictly increasing relationship
- First increasing and then decreasing
- First decreasing and then increasing
- No relationship

No, the answer is incorrect.
Score: 0
Accepted Answers:
First increasing and then decreasing

Consider the econometric model of Environment Kuznets curve (EKC) as given below

$Y_{it} = \alpha + \beta_1 x_{it} + \beta_2 x_{it}^2 + u_{it}$, where

Y_{it} is the pollution per capita of the ith country in t^{th} time period

X_{it} is the income per capita of the ith country in t^{th} time period

Answer questions 7-10 based on the information given above.

7) If $\alpha > 0$, $\beta_1 > 0$, $\beta_2 < 0$, the EKC will be *1 point*

- N-shaped
- J-shaped
- Inverted J-shaped
- U-shaped
- Inverted U-shaped

No, the answer is incorrect.
Score: 0
Accepted Answers:
Inverted U-shaped

8) If $\alpha > 0$, $\beta_1 < 0$, $\beta_2 > 0$, the EKC will be *1 point*

- N-shaped
- J-shaped
- Inverted J-shaped
- U-shaped
- Inverted U-shaped

No, the answer is incorrect.
Score: 0
Accepted Answers:
U-shaped

9) If $\alpha > 0$, $\beta_1 < 0$, $\beta_2 < 0$, the EKC will be *1 point*

- Straight line sloping downwards
- Straight line sloping upwards
- Inverted J-shaped
- U-shaped
- Inverted U-shaped

No, the answer is incorrect.
Score: 0
Accepted Answers:
Straight line sloping downwards

10) If $\alpha > 0$, $\beta_1 > 0$, $\beta_2 > 0$, the EKC will be *1 point*

- Straight line sloping downwards
- Straight line sloping upwards
- Inverted J-shaped
- U-shaped
- Inverted U-shaped

No, the answer is incorrect.
Score: 0
Accepted Answers:
Straight line sloping upwards

11) Environmental economics is concerned with *1 point*

- Production and allocation of natural resources
- Natural environment as a component of economic system
- Quantifying the environmental problems
- Valuation of environmental goods and services
- Both b and d

No, the answer is incorrect.
Score: 0
Accepted Answers:
Both b and d

12) Which of the following are reasons why conventional microeconomic principles cannot be used to study the allocation of environmental and natural resources? *1 point*

- conventional economics is static, generally neglecting future implications of investment decisions
- environmental and natural resources are often public goods, not subject to the exclusion principle
- many decisions about environmental and natural resources are irreversible
- market doesn't exist for most of the env good and services
- All of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
All of the above