

Unit 13 - Week 11 - Net Energy Analysis (Continued), Energy Policy

Course outline

How does an NPTEL online course work?

Practice Assignment

Week 1 - Introduction

Week 2 - Energy and quality of life, Country energy balance

Week 3 - Energy Economics

Week 4 - Energy Resources

Week 5 - Non-Renewable Resource Economics

Week 6 - Preferences, Utility and Social choices

Week 7 - Public and private goods, Externalities

Week 8 - Energy and Financing

Week 9 - Input-Output Analysis

Week 10 - Primary Energy Analysis, Net Energy Analysis

Week 11 - Net Energy Analysis (Continued), Energy Policy

Lecture 22A: Net Energy Analysis-Part 3

Lecture 22B: Net Energy Analysis- Part 4

Lecture 23A: Energy Policy- Part 1

Lecture 23B: Energy Policy- Part 2

Lecture 24A: Energy Policy Examples-Part 1

Quiz : Assignment 11

Assignment 11 Solutions

Additional Learning

Download Videos

Weekly Feedback

Week 12 - Energy policy (continued), Future Energy Systems

Text Transcripts

Assignment 11

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-04-15, 23:59 IST.

1) The concept of sustainability analysis involves:

1 point

- Thermodynamic analysis
 Economic analysis
 Life cycle analysis
 All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

2) For a zinc production facility, having an average annual production of 118 tonnes, the cumulative energy demand (CED) is 5 MJ/kg. Find out the total input energy consumed (in TJ) over the entire lifetime of 30 years. (1 tonne = 1000 kg, 1 TJ = 10¹² J = 10⁶ MJ)

1 point

- 17.7
 177.7
 11.5
 188.6

No, the answer is incorrect.
Score: 0

Accepted Answers:
17.7

3) For the Q.2, if the total CO₂ emissions over the entire lifetime of the plant is 2832 tonnes, find out the Carbon Emission Footprint (CEF) [(kg CO₂ / kg zinc)].

1 point

- 0.9
 8
 0.8
 9

No, the answer is incorrect.
Score: 0

Accepted Answers:
0.8

4) Which of the following are the energy goals as defined by Global Energy Assessment

1 point

- Increase energy access for better quality of life
 Reduction of environmental and human health impacts
 Management of energy related market power
 Only b and c
 All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

5) What type of policy instrument is the Bharat Stage emission standards which are applicable on the motor vehicles in India ?

1 point

- Regulating instrument
 Implied deregulation
 Fiscal and financial instrument
 Supportive action

No, the answer is incorrect.
Score: 0

Accepted Answers:
Regulating instrument

6) LPG subsidy is a _____ instrument to encourage the use of LPG among those who cannot afford it otherwise.

1 point

- Regulating instrument
 Fiscal and financial
 Supportive action
 None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Fiscal and financial

7) The resistance of a policy to external factors, such as any change in the environmental or political conditions is reflected by which criterion ?

1 point

- Economic efficiency
 Equity
 Policy robustness
 Political acceptability

No, the answer is incorrect.
Score: 0

Accepted Answers:
Policy robustness

8) ECBC and TERI GRIHA come under what type of energy policy ?

1 point

- Standards and Labelling
 Preferential Tariffs
 Building codes
 Carbon Tax

No, the answer is incorrect.
Score: 0

Accepted Answers:
Building codes

9) When a production subsidy or consumption subsidy is provided on the fuel price, the environmental damage _____

1 point

- Increases
 Decreases
 Remains same

No, the answer is incorrect.
Score: 0

Accepted Answers:
Increases

10) Consider the analysis of the Odd-Even policy launched by the Government of Delhi .

1 point

Match Column I with Column II

Column I	Column II
1. Institution	a. Residents, public transport, commuters, police.
2. Policy instrument	b. Improvement of air quality in Delhi
3. Goal	c. Changes in PM 2.5 level
4. Stakeholders	d. Command and control
5. Method of analysis	e. Delhi Government, CPCB, Police

- 1-a, 2-d, 3-b, 4-e, 5-c
 1-e, 2-d, 3-b, 4-a, 5-c
 1-e, 2-d, 3-c, 4-a, 5-b
 1-a, 2-d, 3-c, 4-e, 5-b

No, the answer is incorrect.
Score: 0

Accepted Answers:
1-e, 2-d, 3-b, 4-a, 5-c

11) Which among the following is the stakeholder of India's Intended Nationally Determined Contributions (INDCs) to UNFCCC?

1 point

- Government of India
 Financing institutions
 Energy industry
 All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above

12) India's INDC commits to reducing the carbon intensity of the GDP by 33%-35% of the 2005 level by 2030. This can be achieved by

1 point

- Reducing the carbon intensity of the energy sector
 Reducing the energy intensity of GDP
 Change the structure of economy
 Only a and b
 All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of the above