

Unit 2 - Practice Assignment

Course outline

How does an NPTEL online course work?

Practice Assignment

Quiz : Assignment 0

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

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

Text Transcripts

Assignment 0

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

Due on 2020-01-27, 23:59 IST.

1) Energy can be defined as:

- Rate of work done
- The capacity to do work
- The rate of change of speed

No, the answer is incorrect. Score: 0

Accepted Answers:
The capacity to do work

1 point

2) Which of the following are units of energy?

- Joule
- kilowatt
- kilowatt-hr
- Calorie

No, the answer is incorrect. Score: 0

Accepted Answers:
Joule
kilowatt-hr
Calorie

1 point

3) What is 'calorific value' of a fuel?

- Amount of energy required to combust the unit mass of fuel
- Quantity of CO2 emitted after combustion of unit mass of fuel
- Amount of heat released after combustion of unit mass of fuel

No, the answer is incorrect. Score: 0

Accepted Answers:
Amount of heat released after combustion of unit mass of fuel

1 point

4) Which prefix corresponds to 10^{15} units?

- Mega
- Giga
- Tera
- Peta

No, the answer is incorrect. Score: 0

Accepted Answers:
Peta

1 point

5) Which amongst the following is not a greenhouse gas?

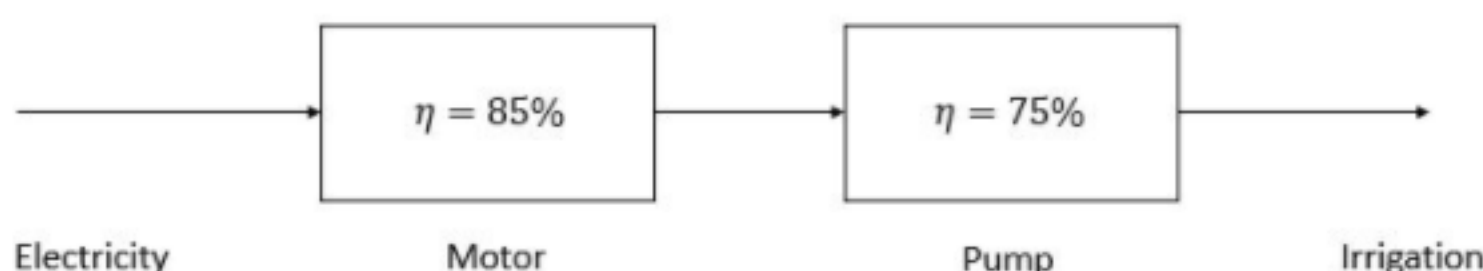
- Methane
- Water vapour
- Oxygen
- Carbon dioxide

No, the answer is incorrect. Score: 0

Accepted Answers:
Oxygen

1 point

6) What is the overall efficiency for the process shown below?



- 80%
- 63.75%
- 36.25%
- 55%

No, the answer is incorrect. Score: 0

Accepted Answers:
63.75%

1 point

7) Which amongst the following are conventional energy sources?

- Coal
- Oil
- Geothermal Energy
- Natural gas

No, the answer is incorrect. Score: 0

Accepted Answers:
Coal
Oil
Natural gas

1 point

8) Solar energy is a renewable energy resource

- True
- False

No, the answer is incorrect. Score: 0

Accepted Answers:
True

1 point

9) Electricity consumption is measured in kilowatt-hours (kWh). How many kilojoules are there in 1 unit of electricity?

(Hint: 1 unit = 1kWh, Watt = Joule/s)

Hint

No, the answer is incorrect. Score: 0

Accepted Answers:
(Type: Numeric) 3600

1 point

10) Choose correct option(s) from the following:

- Global warming is an effect of increased emission of greenhouse gases
- Energy cannot be created but it can be destroyed
- Energy can be converted from one form to another form
- Fossil Fuels are inexhaustible energy resource

No, the answer is incorrect. Score: 0

Accepted Answers:
Global warming is an effect of increased emission of greenhouse gases
Energy can be converted from one form to another form

1 point