Unit 4 - Week 2 - Energy and quality of life, Country energy balance

Assignment 2

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

Due on 2020-02-12, 23:59 IST.

1) Which among the following is not a quality of life index? *1 point*

- GDP per capita
- Happy Planet Index
- Human Development Index
- Popsicle Index

No, the answer is incorrect.
Score: 0
Accepted Answers:
GDP per capita

2) Which among the following combine to form Human Development Index? (Select all correct options) *1 point*

- Education index
- Happiness index
- Health index
- Income index

No, the answer is incorrect.
Score: 0
Accepted Answers:
Education index
Health index
Income index

3) Calculate the health index of Country X given the following:

	Life Expectancy at birth	Mean years of schooling	Expected years of schooling	GDP/capita in PPP
Min	20 years	0 years	0 years	$ 100
Max	85 years	13 years	18 years	$ 40000
Country X	75 years	9 years	13 years	$ 15000

Hint

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Range) 0.830,0.860

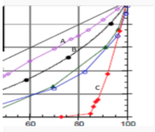
1 point

4) What would be the expression for the Lorenz curve if there was absolute equality? *1 point*

- $L(x) = 1$
- $L(x) = 0 \; for \; 0 \leq x < 1, L(1) = 1$
- $L(x) = x$
- None of the Above

No, the answer is incorrect.
Score: 0
Accepted Answers:
$L(x) = x$

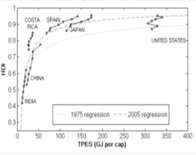
5) The Lorenz curve for countries A (pink), B (blue) and C (red) is given in the following figure. Arrange in order of increasing equality *1 point*



- A<B<C
- C<A<B
- C<B<A
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
C<B<A

6) Which of the following statements is true with respect to the following figure ? *1 point*



- The primary energy use and HDI are directly related in the initial years of a country's development
- Beyond a certain level of development, further use of energy does not make much difference in the development index
- US and Japan have similar levels of development with Japan using much less energy than the US
- All of the above

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

7) Increasing demand of oil imports is a risk to the energy security of India (true or false ?) *1 point*

- True
- False

No, the answer is incorrect.
Score: 0
Accepted Answers:
True

8) Diversification of energy supply _____ the energy security of a country *1 point*

- Does not affect
- Strengthens
- Is a risk to

No, the answer is incorrect.
Score: 0
Accepted Answers:
Strengthens

9) Identify the blackened spots *1 point*

- Happiness, happiness index
- Equality between the sexes, gender index
- Accessibility to basic amenities, livability index
- Gross National Income per capita, income index

No, the answer is incorrect.
Score: 0
Accepted Answers:
Gross National Income per capita, income index

10) If a country has a high self-sufficiency ratio, means that it imports most of its energy. *1 point*

- True
- False

No, the answer is incorrect.
Score: 0
Accepted Answers:
False

11) The Fukushima disaster lead to an increase in the use of nuclear power in Japan. *1 point*

- True
- False

No, the answer is incorrect.
Score: 0
Accepted Answers:
False

12) Japan is attempting to use this particular technology to power the Tokyo Olympics to a significant extent. *1 point*

- Coal
- Oil
- Fuel cell
- Batteries

No, the answer is incorrect.
Score: 0
Accepted Answers:
Fuel cell

13) Which policy measure played an important role in increasing the use of renewable power in Japan ? *1 point*

- Feed-in Premiums
- Feed-in Tariffs
- Certified Emission Reductions

No, the answer is incorrect.
Score: 0
Accepted Answers:
Feed-in Tariffs

14) Mexico is shifting from a gas based economy to an oil based economy. *1 point*

- True
- False

No, the answer is incorrect.
Score: 0
Accepted Answers:
False