



## Unit 2 - Week 1

### Course outline

#### How to access the portal

#### Week 1

- Lecture 1: Life Cycle Assessment - Introduction
- Lecture 2: Life Cycle Assessment - Introduction (Contd.)
- Lecture 3: LCA and Sustainability
- Lecture 4: LCA and Environmental Systems
- Lecture 5: Water and Energy
- Week 1: Course Material
- Feedback for week 1
- Quiz : Assignment 1
- Assignment solution\_week 1

#### Week 2

#### Week 3

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## Assignment 1

The due date for submitting this assignment has passed. **Due on 2018-02-21, 23:59 IST**  
As per our records you have not submitted this assignment.

1) Which of the following energy source is used for major energy production in India? **1 point**

- Crude oil
- Coal
- Natural gas
- Hydro

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Coal*

2) In Asia, the major portion of withdrawn water is consumed by which of the following sector? **1 point**

- Industry
- Domestic
- Agriculture

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Agriculture*

3) Out of the following which is most efficient in terms of energy efficiency? **1 point**

- Incandescent bulb
- Human body
- Fluorescent bulb
- Steam turbine
- Fuel cell

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Fuel cell*

4) Out of the following, which are considered as the pillars of sustainability? **1 point**

- Planet
- Durability
- Profit
- People

Week 8

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**No, the answer is incorrect.****Score: 0****Accepted Answers:***Planet**Profit**People*

5) Which of the following energy sources are considered as fossil fuels?

**1 point**

- Renewable energy sources
- Coal
- Nuclear
- Natural gas
- Petroleum

**No, the answer is incorrect.****Score: 0****Accepted Answers:***Coal**Natural gas**Petroleum*6) Which are the additional factors need to be added to traditional engineering design criteria to make the product sustainable? **1 point**

- Society
- Environment
- Function
- Economy
- Safety

**No, the answer is incorrect.****Score: 0****Accepted Answers:***Society**Environment*7) Out of the following energy production sources which two are most preferable in terms of water use efficiency? **1 point**

- Biodiesel
- Hydroelectric
- Coal
- Natural gas
- Nuclear

**No, the answer is incorrect.****Score: 0****Accepted Answers:***Hydroelectric**Natural gas*8) Which of the following factors contribute impacts in the magnitude of sustainability challenge (IPAT equation)? **1 point**

- Polulation
- Affluence
- Society
- People
- Technology

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

*Polulation*  
*Affluence*  
*Technology*

9) Non-vegetarian diet requires less virtual water than vegetarian diet.

1 point

- True
- False

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*False*

10)The “6 RE philosophy” towards pollution prevention is Re-think, Re-duce, Re-place, Re-cycle, Re-use, Re-pair.

1 point

- True
- False

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*True*



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