



## Unit 5 - Week 4

### Course outline

How to access the portal

#### Week 1

#### Week 2

#### Week 3

#### Week 4

- Lecture 16: LCA - A Detailed Methodology
- Lecture 17: LCA - A Detailed Methodology (Contd.)
- Lecture 18: LCA Benefits and Drawbacks
- Lecture 19: History of LCA
- Lecture 20: The ISO Framework
- Week 4: Course Material
- Feedback for week 4
- Quiz : Assignment 4
- Assignment Solution: Week 4

#### Week 5

#### Week 6

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#### Week 8

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## Assignment 4

The due date for submitting this assignment has passed. **Due on 2018-03-07, 23:59 IST**  
As per our records you have not submitted this assignment.

1) What is the first step in the study of LCA? 1 point

- Understanding life cycle impact
- Defining goal and scope
- Analyzing Life cycle inventory
- None of these

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Defining goal and scope*

2) How many independent parameters human brain can consider during solving a problem? 1 point

- 3
- 5
- 7
- 10

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*7*

3) Which of the following organization doesn't contribute in creating the Ecoinvent database? 1 point

- SimaPro
- ETH UNS
- ETH LTC
- ETH PPC

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*SimaPro*

4) Which of the followings material has highest CO2 emission in its production? 1 point

- 1 kg HDPE
- 1 kg LDPE
- 1 kg PET
- 1 m3 concrete

## Tutorials

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*1 m3 concrete*

5) Which organization first worked on LCA?

1 point

- Government of California
- Coca-Cola company
- Environmental report on packaging
- Ecoinvent center



**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Coca-Cola company*

6) What are the major compounds causing aquatic eutrophication?

1 point

- Phosphate
- Carbon dioxide
- Nitrate
- Sulphur dioxide



**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Phosphate*

*Nitrate*

7) Which of the following tools are used for environmental assessment?

1 point

- Risk Assessment
- Environmental Impact Assessment
- Substance Flow Analysis
- Impact modelling

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Risk Assessment*

*Environmental Impact Assessment*

*Substance Flow Analysis*

8) 1 kg of CH<sub>4</sub> emission is equivalent to 20 kg CO<sub>2</sub> emission.

1 point

- True
- False

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*False*

9) It is necessary to adopt same functional unit for the comparison among two different systems.

1 point

- True
- False

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*True*

10) Compact fluorescent bulb gives more heat rather than incandescent bulb.

1 point

- True
- False

No, the answer is incorrect.

Score: 0

Accepted Answers:

False

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