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NPTEL

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Courses » Sustainable Engineering Concepts And Life Cycle Analysis

Announcements Course Ask a Question Progress



Unit 3 - Week 2

Course outline

How to access the portal

Week 1

Week 2

- Lecture 6: RISK Assessment and LCA Frameworks
- Lecture 7: RISK Assessment - Toxicology
- Lecture 8: RISK Assessment Methods
- Lecture 9: RISK Assessment Methods (Contd.)
- Lecture 10: Environmental Risk Assessment
- Week 2: Course Material
- Feedback for week 2
- Quiz : Assignment 2
- Assignment solution_week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Assignment 2

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) What is the risk ratio for cancer? 1 point

- 5
- 7
- 3
- 10

No, the answer is incorrect.

Score: 0

Accepted Answers:

3

2) Which organ of the human body has highest cancer risk ratio? 1 point

- Breast
- Lungs
- Bladder
- Prostate

No, the answer is incorrect.

Score: 0

Accepted Answers:

Lungs

3) What is the unit of reference dose? 1 point

- mg/L-day
- mg/kg-day
- ml/L-day
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

mg/kg-day

4) Libby town was contaminated by which pollutant? 1 point

- Dioxin
- Polychlorinated biphenyls
- Asbestos fibers
- Lead

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No, the answer is incorrect.

Score: 0

Accepted Answers:

Asbestos fibers

5) Which is used to designate the time difference between exposure and response?

1 point

- Lag
- Log
- Stationary
- Latency

No, the answer is incorrect.

Score: 0

Accepted Answers:

Latency

6) Which of the following parameters are the function of environmental risk?

1 point

- Exposure
- Concentration
- Reactivity potential
- Hazard

No, the answer is incorrect.

Score: 0

Accepted Answers:

Exposure

Hazard

7) What are the key characteristics of toxicants?

1 point

- Bioavailability
- Harmfulness
- Bioaccumulation potential
- Inertness

No, the answer is incorrect.

Score: 0

Accepted Answers:

Bioavailability

Harmfulness

Bioaccumulation potential

8) Which of the following steps must be considered during Dose-response assessment?

1 point

- Identification of the chemicals
- Discovery of Reference dose or Risk specific dose
- Data validation
- Carcinogen or not

No, the answer is incorrect.

Score: 0

Accepted Answers:

Discovery of Reference dose or Risk specific dose

Data validation

9) Lead ingested by preschoolers remains in their body in much lower concentration rather than adults. **1 point**

- A. True
- B. False

No, the answer is incorrect.

Score: 0



Accepted Answers:

B. False

10) Toxicology is the study of how chemicals increases an organism's ability to survive and reproduce.

1 point

- A. True
 B. False

No, the answer is incorrect.

Score: 0

Accepted Answers:

B. False



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