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Courses » Sustainability through Green Manufacturing Systems: An Applied Approach

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Unit 9 - Week 7

Course outline

[How to access the portal](#)[Week 0](#)[Week 1](#)[Week 2](#)[Week 3](#)[Week 4](#)[Week 5](#)[Week 6](#)**Week 7**

- Lecture 22: Renewable Sources of Energy
- Lecture 23: Renewable Sources of Energy Continued
- Lecture 24: Renewable energy in India and Industrial Symbiosis
- Lecture 25: Demonstration

Assignment 7

The due date for submitting this assignment has passed.**As per our records you have not submitted this assignment. Due on 2018-10-17, 23:59 IST.**

1) Find a suitable match between column 1 and column 2

3 points

Column 1

Column 2

- | | |
|------------------------|---|
| (1) Dry steam plant | (a) The hot water is pumped under great pressure to the surface. When it reaches the surface the pressure is reduced and as a result, some of the water changes to steam. This steam is used for power generation |
| (2) Flash steam plant | (b) An organic compound with less boiling point is used to produce steam. That steam is used for electricity generation |
| (3) Binary cycle plant | (c) The under earth water steam is directly used for electricity generation |

- (1)-(c); (2)-(a); (3)-(b)
- (1)-(c); (2)-(b); (3)-(a)
- (1)-(b); (2)-(a); (3)-(c)
- (1)-(a); (2)-(c); (3)-(b)

No, the answer is incorrect.**Score: 0****Accepted Answers:****(1)-(c); (2)-(a); (3)-(b)**

2) Wind energy can be considered as a form of:

1 point

- Geothermal energy
- Biomass
- Solar energy

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- Quiz : Assignment 7
- Solution: Assignment 7
- WEEK 7 - FEEDBACK - Sustainability through Green Manufacturing Systems: An Applied Approach

Week 8

3) "Biomass energy is the greenest energy among all the other sustainable energy sources available in India" **1 point**

The above statement is:

- True
- False

No, the answer is incorrect.

Score: 0

Accepted Answers:

False

4) Which among the following is a disadvantage of using Natural gas as an energy source? **1 point**

- Hydrogen gas is required for this procedure
- It emits harmful gasses such as carbon dioxide
- Natural gasses are not easily available
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

It emits harmful gasses such as carbon dioxide

5) The geothermal energy plant where the under earth hot stream is used to boil some other organic chemical of lower boiling point is known as: **1 point**

- Dry steam geothermal plant
- Flash steam geothermal plant
- Binary cycle geothermal plant
- All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Binary cycle geothermal plant

6) "Windmills produce considerable noise pollution. Hence, normally windmills are set up to a distance from the civilization area." **1 point**

The above statement is:

- True
- False

No, the answer is incorrect.

Score: 0

Accepted Answers:

True

7) Which of the following is a benefit of industrial symbiosis? **1 point**

- Reduce the raw material and waste disposal
- Reduce the amount of waste and by products
- Helps in opening new business opportunities such as research and trading companies
- All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the above

8) Which among the following is an example of industrial symbiosis?

1 point

- Industry A manufactures product X whereas it also produces 'alpha' as a by-product. Industry B, situated 100 km away from industry A collects 'alpha' as a raw material from A and develops a product Y. Industry C collects the gasses released by industry B to manufacture product Z.
- Industry A manufactures a product X. Product X requires a large number of different kind of smaller parts, which are supplied by industries B and C.
- Industry A manufactures product X, and directly sells to the customer.
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Industry A manufactures product X whereas it also produces 'alpha' as a by-product. Industry B, situated 100 km away from industry A collects 'alpha' as a raw material from A and develops a product Y. Industry C collects the gasses released by industry B to manufacture product Z.

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