

Unit 4 - Week 3

Course outline

How does an NPTEL online course work?

Week 1

Week 2

Week 3

● Lecture 11 Definition and Characteristics of Sustainability

● Lecture 12 Flavors of Sustainable Architecture

● Lecture 13 Indicators and Terminologies in Sustainable Architecture

○ Lecture 14 Process of Designing Green Buildings

● Lecture 15 Green Building Ratings and Components

○ Quiz : Assignment 3

● Solution for Assignment 3

Week 4

Week 5

Week 6

Week 7

Week 8

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Week 11

Week 12

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Assignment 3

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

Due on 2020-02-19, 23:59 IST.

- 1) Prince Sadruddin Aga Khan House designed by Hassan Fathy uses the following: 1 point
- Locally available materials
 - Traditional design techniques
 - Courtyards.

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

- 2) Which of the following is not seen as a relation of site to regional context 1 point

- Cultural and economic assets
 Climatic characteristics of bio regional system
 Natural disasters
 Micro-climatic conditions

No, the answer is incorrect.
Score: 0

Accepted Answers:
Micro-climatic conditions

- 3) Environmental aspects of Architecture and Buildings are _____ 1 point

- Tangible
 Intangible
 Cannot be quantified
 Cannot be assessed

No, the answer is incorrect.
Score: 0

Accepted Answers:
Tangible

- 4) Which of the following statements are true regarding Green buildings 1 point

- Make efficient use of resources
- Have significant operational savings
- Decreases work space productivity

- All the three a,b,c
 Only a and b
 Only b and c
 Only a
 Only b

No, the answer is incorrect.
Score: 0

Accepted Answers:
Only a and b

- 5) Which one among the following compounds has highest GWP (for 100 years)? 1 point

- N₂O
 CO₂
 HFC-134a
 CH₄

No, the answer is incorrect.
Score: 0

Accepted Answers:
HFC-134a

- 6) Which one among the following is the ISO standard dealing with service life planning? 1 point

- ISO 15686
 ISO 14041
 ISO 14042
 ISO 15681

No, the answer is incorrect.
Score: 0

Accepted Answers:
ISO 15686

- 7) Which of the following is not a passive strategy for a sustainable building 1 point

- Earth air-tunnel cooling
 Geo thermal cooling
 Wind catchers
 HVAC systems with high CoP

No, the answer is incorrect.
Score: 0

Accepted Answers:
HVAC systems with high CoP

- 8) For a climatic study, along with the place and climatic conditions, we have to also understand the physiological objectives of design for that place 1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

- 9) Correct chronological order of year in which the rating systems were launched 1 point

- A) IGBC.
B) LEED.
C) BREEAM

- A B C
 C B A
 B A C
 B C A

No, the answer is incorrect.
Score: 0

Accepted Answers:
C B A

- 10) Reason for considering less weightage for water in 'Green Mark' certification program, even though there is a crisis of water in Singapore,(Green mark) is 1 point

- Singapore has an existing separate state policy for water
 Water is a very cheap resource in Singapore
 There are other national priorities than water
 Singapore is surrounded by oceans

No, the answer is incorrect.
Score: 0

Accepted Answers:
Singapore has an existing separate state policy for water