

Unit 11 - Week 10

Course outline

How does an NPTEL online course work?

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Lecture 46 Vernacular Architecture - I

Lecture 47 Vernacular Architecture - II

Lecture 48 Codes and Standards

Lecture 49 Introduction to Whole Building Simulation - I

Lecture 50 Introduction to Whole Building Simulation - II

Quiz : Assignment 10

Solution for Assignment 10

Week 11

Week 12

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Assignment 10

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

Due on 2020-04-08, 23:59 IST.

- 1) Traditional Thai houses in Thailand have raised bamboo stilts _____
- To avoid ventilation
 - To facilitate ventilation
 - Because of poor soil conditions
 - Due to lack of availability of masonry materials

1 point

No, the answer is incorrect.
Score: 0

Accepted Answers:
To facilitate ventilation

- 2) Bhunga huts in Rajasthan have circular plans because of _____.

1 point

- People's beliefs towards circular plans
- Reduced surface area to volume ratio offered by circular plans
- Toughest construction technology
- Availability of material for spanning

No, the answer is incorrect.
Score: 0

Accepted Answers:
Reduced surface area to volume ratio offered by circular plans

- 3) Main purpose of having boundary in Musgum mud huts is to _____.

1 point

- Prevent Soil erosion during rains
- Prevent the sand entering to huts
- Prevent the animals
- Prevent the invaders from nearby communities

No, the answer is incorrect.
Score: 0

Accepted Answers:
Prevent the sand entering to huts

- 4) Mumbai falls under _____ climatic zone

1 point

- Hot and dry
- Warm and humid
- Cold
- Composite

No, the answer is incorrect.
Score: 0

Accepted Answers:
Warm and humid

- 5) ECBC does not discuss any other aspects of sustainability except energy aspects

1 point

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

- 6) EIA (Environmental Impact Assessment) is applicable to _____.

1 point

- Commercial buildings
- Schools
- Large Projects
- Residential projects

No, the answer is incorrect.
Score: 0

Accepted Answers:
Large Projects

- 7) Whole Building Simulation (WBS) is required to prove the compliance to Green Building rating systems/ Energy efficiency codes by establishing that the estimated performance of Proposed Case is better than that of _____.

1 point

- A predefined Base Case.
- Proposed case in the same locality
- Proposed case in other locality
- A building of same area with circular plan form

No, the answer is incorrect.
Score: 0

Accepted Answers:
A predefined Base Case.

- 8) Climatic data of the building location is needed as an input to perform the Whole building Simulation

1 point

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

- 9) Which of the following statements is true with respect to showing energy performance compliance through whole building energy simulation?

1 point

- Energy consumption of proposed case should be less than that of base case
- Energy consumption of proposed case should be more than that of base case
- Number of unmet hours of thermal comfort of proposed case is higher than that of base case
- EPI of the proposed case should be more than that of the base case

No, the answer is incorrect.
Score: 0

Accepted Answers:
Energy consumption of proposed case should be less than that of base case

- 10) Appendix G of ASHRAE 90.1 helps in defining the base case scenarios while performing the whole building simulation.

1 point

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True