Assignment 11

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

1. Which simulation engines are used behind Design Builder for thermal and energy calculations?
   - Energy Plus
   - Radiance
   - Openstudio
   - TRNSYS
   No, the grader is incorrect.
   Accepted Answers: Energy Plus

2. Common function of Virtual Partition in Design Builder is to:
   - Create standard partition wall between rooms where the heat gain in the partition area may be calculated
   - Create a virtual partition between neighboring buildings
   - Create standard partition wall between rooms where the heat gain in the partition area may be calculated
   - Create a virtual partition between neighboring buildings
   No, the grader is incorrect.
   Accepted Answers: Create standard partition wall between rooms where the heat gain in the partition area may be calculated

3. Which of the following statement is false in relation to base-case and purpose-case simulation models for Green Building compliance?
   - Does not apply to purpose-case simulation models
   - Does not apply to base-case simulation models
   - Does not apply to purpose-case simulation model
   - Does not apply to base-case simulation model
   No, the grader is incorrect.
   Accepted Answers: Does not apply to purpose-case simulation models

4. Which of the following statements is true in relation to Design Builder?
   - Changes made at Building Level are applied for (inherited) to Block and Zone level
   - Changes made at Building Level are not applied for (inherited) to Block and Zone level
   - Changes made at Zone level are applied for (inherited) to Building level
   - Changes made at Block level are applied for (inherited) to Building level
   No, the grader is incorrect.
   Accepted Answers: Changes made at Building Level are applied for (inherited) to Block and Zone level

5. In Design Builder, envelop blocks (Blanket type) are created at the site level primarily for which of the following functions?
   - Specifying to other blocks, reflection, and visualization
   - Specifying to other blocks, reflection, and visualization
   - Creating surface adjacent to Radiant zones
   - Creating surface adjacent to Radiant zones
   No, the grader is incorrect.
   Accepted Answers: Creating surface adjacent to Radiant zones

6. Appropriateness of infiltration of the building construction for base-case simulation model for Green Building compliance is usually prescribed by which of the following AHRAV standards?
   - ASHRAE 61.1
   - ASHRAE 61.1 Appendix G
   - ASHRAE 62.2
   - ASHRAE 62
   No, the grader is incorrect.
   Accepted Answers: ASHRAE 61.1

7. What is the full form of LPR in the context of building energy simulations?
   - Lighting Power Density
   - Lighting Power Power
   - Lighting Prevention Device
   - Lighting Power Density
   No, the grader is incorrect.
   Accepted Answers: Lighting Power Density

8. Which of the following statements is true in the context of building energy simulation for Green Building compliance?
   - For base-case simulation models, lighting control is not required to be modeled
   - For purpose-case simulation models, lighting control cannot be modeled
   - For purpose case simulation models, lighting control is not allowed for buildings in India
   - For purpose-case simulation models, lighting control is not allowed for buildings in India
   No, the grader is incorrect.
   Accepted Answers: For purpose-case simulation models, lighting control is not required to be modeled

9. How many results for a particular output variable are obtained from an annual hour simulation?
   - 1000
   - 10
   - 700
   - 8760
   No, the grader is incorrect.
   Accepted Answers: 8760

10. What does COP stand for, in the context of modeling of HVAC systems?
    - Coefficient of Performance
    - Coefficient of Particulate
    - Coefficient of Power
    - Coefficient of Pressure
    No, the grader is incorrect.
    Accepted Answers: Coefficient of Performance