

IT-Tests LEED-AP-BD-C Test Study Guide, Answer USGBC LEED-AP-BD-C Practice Exam Questions

LEED v4 AP BD+C PRACTICE TEST #1 | 100 QUESTIONS| WITH CORRECT ANSWERS!!

A project's total site area is 280,000 SF (26,000 m²). The total previously developed area on site is 100,000 SF (9,290 m²). The building FAR is 1.7. How much financial support would an owner have to provide to earn SS credit Site Development - Protect or Restore Habitat?

- A) \$112,000
- B) \$72,000
- C) \$122,400
- D) \$40,000 Answer - A) \$112,000

Feedback:

This type of question will likely include additional, extraneous information to cause confusion. For Option 2 Financial Support, the requirement is as follows:

\$0.40/SF (\$4/m²) for the total site area including the building footprint.

$280,000 \times \$0.40 = \$112,000$

Which "non-mandatory" steps could a project team take prior to conducting air-quality testing that would "improve" the test results for EQ Credit IAQ Assessment? (Choose 2)

- A) Vacuum using a vacuum cleaner with filtration media.
 - B) Test and balance the HVAC system
 - C) Install finishes and furniture
 - D) Clean with low-emitting cleaning products
 - E) Complete punch-list items that would generate VOCs or other contaminants.
- Answer - A) Vacuum using a vacuum cleaner with filtration media.
D) Clean with low-emitting cleaning products

Notes:

Here are the required steps before a flush-out or air testing:
Install all finishes and furniture
For residential projects, install owner-provided furniture
Complete punch-list items that would generate VOCs or other contaminants
Test and balance the HVAC system

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The USGBC LEED-AP-BD-C certification examination is an essential component of professional development, and passing this USGBC LEED-AP-BD-C test can increase career options and a rise in salary. Nonetheless, getting ready for the LEED AP Building Design + Construction (LEED AP BD+C) (LEED-AP-BD-C) exam may be difficult, and many working professionals have trouble locating the USGBC LEED-AP-BD-C practice questions they need to succeed in this endeavor.

You will need to pass the LEED AP Building Design + Construction (LEED AP BD+C) (LEED-AP-BD-C) exam to achieve the USGBC LEED-AP-BD-C certification. Due to extremely high competition, passing the USGBC LEED-AP-BD-C exam is not easy; however, possible. You can use PrepAwayTest products to pass the LEED-AP-BD-C Exam on the first attempt. The USGBC practice exam gives you confidence and helps you understand the criteria of the testing authority and pass the LEED AP Building Design + Construction (LEED AP BD+C) (LEED-AP-BD-C) exam on the first attempt.

>> LEED-AP-BD-C Lab Questions <<

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USGBC LEED AP Building Design + Construction (LEED AP BD+C) Sample Questions (Q295-Q300):

NEW QUESTION # 295

Which of the following would be most useful to a school project that is attempting to pursue Water Efficiency Credit, Indoor Water Use Reduction?

- A. Commercial dishwasher that is ENERGY STAR labeled or performance equivalent
- B. A standard garbage disposal
- C. An open-loop HVAC system that discharges potable cooling water to a nearby lake
- D. Electronic submeter at the domestic water supply pipe to the building

Answer: A

Explanation:

The Water Efficiency Credit, Indoor Water Use Reduction aims to reduce indoor water consumption by installing water-efficient fixtures and fittings, such as faucets, showerheads, toilets, and urinals¹. A commercial dishwasher that is ENERGY STAR labeled or performance equivalent would help reduce the water use for dishwashing, which is one of the process water uses included in the credit calculation². A standard garbage disposal would not reduce water use, but rather increase it. An electronic submeter at the domestic water supply pipe to the building would help measure and monitor water use, but not directly reduce it. An open-loop HVAC system that discharges potable cooling water to a nearby lake would waste a lot of water and potentially harm the environment.

References:

* Indoor Water Use Reduction

* "Maximizing Water Efficiency in Commercial Buildings: Understanding LEED BD+C Water Efficiency Credits"

NEW QUESTION # 296

Which of the following strategies would be considered an acceptable minor improvement within the wetland buffer for Location and Transportation Credit, Sensitive Land Protection?

- A. Provide a vehicular access drive that is less than 16 ft. (5 m) in width
- B. Remove trees that are less than 6 inches (15.24 cm) diameter at breast height
- C. Build a two-story fitness facility
- D. Change the grade to install a security fence

Answer: A

Explanation:

Providing a vehicular access drive that is less than 16 ft. (5 m) in width is considered an acceptable minor improvement within the wetland buffer for Location and Transportation Credit, Sensitive Land Protection. This credit requires avoiding development on land that meets one or more of the following criteria: prime farmland, floodplains, threatened or endangered species habitat, water bodies, wetlands, or land within 100 feet (30 meters) of these water bodies or wetlands¹. However, the credit allows minor improvements within the wetland buffer if they are necessary for the project and have minimal environmental impact². Examples of minor improvements include trails, boardwalks, stormwater outfalls, and utility crossings². Reference:

Credit: Sensitive land protection | U.S. Green Building Council

NC-v4.1 LTc2: Sensitive land protection | LEEDuser

NEW QUESTION # 297

Which system is eligible for the Energy and Atmosphere Credit, Renewable Energy Production?

- A. Ground-source heat pumps
- B. Tidal-based electrical production
- C. Passive solar and daylighting strategies

- D. Municipal solid waste combustion

Answer: B

Explanation:

Tidal-based electrical production is eligible for the Energy and Atmosphere Credit, Renewable Energy Production. This credit rewards projects that use renewable energy systems to offset building energy cost.

According to the LEED v4 BD+C Reference Guide, renewable energy systems are defined as "those that use resources that are naturally replenished within a 100-year or shorter cycle and that are greenhouse gas neutral on an annual basis" 1. Tidal-based electrical production meets this definition, as it uses the kinetic energy of the tides to generate electricity without emitting greenhouse gases. The other options are not eligible for this credit, as ground-source heat pumps are not considered renewable energy systems, municipal solid waste combustion is not greenhouse gas neutral, and passive solar and daylighting strategies do not offset building energy cost.

NEW QUESTION # 298

A new five-story building with a 30,000 ft² (2 800 m²) footprint is being designed on a previously disturbed 100,000 ft² (9 290 m²) site. The remaining on-grade surface will be 35,000 ft² (3 250 m²) of asphalt parking, and 35,000 ft² (3 250 m²) of native vegetated open space. To achieve a point for exemplary performance under Option 1 of Sustainable Sites Credit, Site Development - Protect or Restore Habitat, the design team will have to incorporate a native and/or adapted vegetated roof with a minimum area of

- A. 25,000 ft² (2 300 m²)
- B. 35,000 ft² (3 250 m²)
- C. 12,500 ft² (1 160 m²)
- D. 15,000 ft² (1 400 m²)

Answer: A

Explanation:

According to the LEED v4 Reference Guide for Building Design and Construction, Option 1 of the Site Development - Protect or Restore Habitat credit requires restoring 25% of the site area (including the building footprint) with native or adapted vegetation¹. To achieve exemplary performance, the project must double the credit requirements and restore 50% of the site area². In this case, the site area is 100,000 ft² (9 290 m²), so the project must restore 50,000 ft² (4 645 m²) with vegetation. The project already has 35,000 ft² (3 250 m²) of native vegetated open space, so it needs to add another 15,000 ft² (1 395 m²) of vegetation. Since the on-grade surface is fully occupied by the building footprint and the asphalt parking, the only option is to incorporate a vegetated roof. Therefore, the design team will have to incorporate a native and/or adapted vegetated roof with a minimum area of 15,000 ft² (1 395 m²). Reference: SS Credit Site Development - Protect or Restore Habitat, LEED v4 Reference Guide for Building Design and Construction¹³

NEW QUESTION # 299

Which of the following prerequisites or credits are affected by using plug-in devices when attempting to achieve Indoor Environmental Quality Credit. Thermal Comfort?

- A. Energy and Atmosphere Credit. Advanced Energy Metering
- B. Energy and Atmosphere Prerequisite. Minimum Energy Performance
- C. Energy and Atmosphere Credit. Demand Response
- D. Energy and Atmosphere Prerequisite. Building Level Energy Metering

Answer: B

Explanation:

Using plug-in devices can affect the energy performance of the building, which is one of the criteria for achieving Indoor Environmental Quality Credit. Thermal Comfort. The LEED v4 Reference Guide for Building Design and Construction states that "the project team must demonstrate that the proposed design meets the minimum energy performance requirements of ASHRAE Standard 90.1-2010, Appendix G, with errata"¹. Plug-in devices are considered as part of the process loads in the energy model, and they can increase the energy consumption and demand of the building. Therefore, the project team must account for the plug-in devices in the energy model and ensure that the proposed design meets or exceeds the baseline performance rating.

References:

* LEED v4 Reference Guide for Building Design and Construction, Energy and Atmosphere Prerequisite:

NEW QUESTION # 300

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