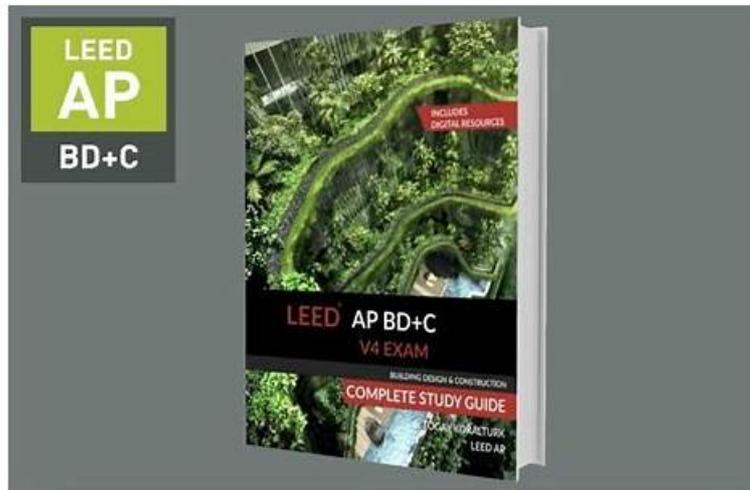


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The LEED AP Building Design + Construction (LEED AP BD+C) (LEED-AP-BD-C) practice exam software in desktop and web-based versions has a lot of premium features. One of which is the customization of LEED AP Building Design + Construction (LEED AP BD+C) (LEED-AP-BD-C) practice exams. The LEED-AP-BD-C Practice Tests are specially made for the customers so that they can practice unlimited times and improve day by day and pass USGBC LEED-AP-BD-C certification exam with good grades.

USGBC LEED-AP-BD-C Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> • Indoor Environmental Quality: This domain measures the skills of LEED Green Associates in creating healthy indoor environments. It emphasizes the importance of maintaining adequate ventilation levels through both natural and mechanical means. Additionally, candidates will be assessed on topics such as tobacco smoke control measures.

Topic 2	<ul style="list-style-type: none"> • Sustainable Sites: It covers site assessment and planning that involves evaluating various site characteristics, such as topography, hydrology, climate, vegetation, and soil conditions. It also covers assessing a site's potential as a resource for energy flows while addressing construction activity pollution prevention measures.
Topic 3	<ul style="list-style-type: none"> • Indoor Water Use Reduction: This section measures the skills of LEED Green Associates in minimizing indoor water consumption to reduce water use effectively, including toilets, urinals, faucets, and showerheads. Additionally, candidates will examine appliance types that consume water, such as cooling towers and washing machines.
Topic 4	<ul style="list-style-type: none"> • LEED Process: This topic tests the skills of LEED Green Associates involved in green building initiatives. It focuses on various methods to achieve LEED goals, such as developing credit interpretation rulings and utilizing Regional Priority Credits to explore synergies within the LEED system
Topic 5	<ul style="list-style-type: none"> • Project Surroundings and Public Outreach: LEED Green Associates learn about promoting sustainable practices, regional design considerations that incorporate green construction measures, cultural awareness issues related to historic or heritage impacts, and ensuring that sustainability efforts are respectful of local values.
Topic 6	<ul style="list-style-type: none"> • Integrative Strategies: It emphasizes the importance of an integrative process. The topic also covers their knowledge about the value of teamwork in developing integrative green strategies and how they can collaborate throughout different project phases.
Topic 7	<ul style="list-style-type: none"> • Water Efficiency: This topic measures the skills of LEED Green Associates in optimizing water use in building projects. It explores strategies for reducing outdoor water use through efficient irrigation practices, including landscape water requirements and irrigation systems. It also covers using native and adaptive plant species to minimize irrigation demands.
Topic 8	<ul style="list-style-type: none"> • Building Loads: This topic is focused on optimizing building performances through effective load management. It addresses design considerations such as building orientation and glazing selection while clarifying regional factors that influence these decisions.

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USGBC LEED AP Building Design + Construction (LEED AP BD+C) Sample Questions (Q223-Q228):

NEW QUESTION # 223

What is the minimum gross floor area required for a Building Design and Construction project to be eligible for certification?

- A. 1000 ft² (93 m²)
- B. 500 ft² (46 m²)
- C. 250 ft² (23 m²)
- D. 750 ft² (70 m²)

Answer: A

Explanation:

According to the LEED minimum program requirements, the LEED project must include a minimum of 1000 square feet (93 square meters) of gross floor area for the LEED BD+C and LEED O+M rating systems¹.

NEW QUESTION # 224

A design team pursuing LEED for a new office building project calculated that with the water fixtures specified for the project, a 24% water reduction can be achieved compared to the LEED baseline. What does this mean to the team in terms of pursuing LEED?

- A. The project can meet the Water Efficiency Prerequisite, Indoor Water Use Reduction, but cannot earn any points under Water Efficiency Credit, Indoor Water Use Reduction
- **B. The project may pursue Water Efficiency Credit, Indoor Water Use Reduction**
- C. The project does not meet Water Efficiency Prerequisite, Indoor Water Use Reduction, but can make up the points elsewhere in the rating system
- D. The project cannot pursue LEED

Answer: B

Explanation:

According to the LEED AP Building Design + Construction (LEED AP BD+C) V4 resources, the Water Efficiency Prerequisite for Indoor Water Use Reduction requires the project to reduce aggregate water consumption by 20% from the baseline. Therefore, the project can meet this prerequisite with a 24% water reduction. However, to earn points under the Water Efficiency Credit for Indoor Water Use Reduction, the project needs to achieve a higher level of water reduction, ranging from 25% to 50%. The credit awards points based on the percentage of water reduction achieved, as shown in Table 1. Thus, the project may pursue this credit if it can further reduce its water consumption by installing more efficient fixtures and fittings, appliances, equipment and processes. References: As per the LEED AP Building Design + Construction (LEED AP BD+C) V4 resources, the Water Efficiency Prerequisite and Credit for Indoor Water Use Reduction are based on an "efficiency first" approach to water conservation. The prerequisite sets a minimum standard of 20% water reduction from the baseline, while the credit rewards higher levels of performance up to 50% water reduction. The baseline water consumption of fixtures and fittings is based on the volumes and flow rates shown in Table 2. The credit also requires that all newly installed toilets, urinals, private lavatory faucets and showerheads that are eligible for labeling must be WaterSense labeled (or a local equivalent for projects outside the U.S.). For more detailed information, you can refer to the web-based reference guide in the credit library at USGBC's official website.

NEW QUESTION # 225

What information must be provided to demonstrate compliance with the Owner's Project Requirements (OPR)?

- A. Design charrette plan
- B. Renewable Energy Certificates (RECs)
- **C. Basis of Design (BOD)**
- D. Preliminary data collection

Answer: C

Explanation:

Detailed Explanation:

The Basis of Design (BOD) outlines the project design decisions and criteria, linking them to the Owner's Project Requirements (OPR). LEED requires this documentation to demonstrate alignment between the owner's goals and the building design, ensuring that sustainability objectives are met throughout the project lifecycle.

NEW QUESTION # 226

For a task chair purchased for a healthcare facility, which portion of the product contributes toward Materials and Resources Credit, Furniture and Medical Furnishings?

- A. Plastic armrests, 30% of product by weight, with added antimicrobial treatment
- B. Wheels, 4% of product by weight, that do not contain lead, mercury, cadmium or antimony
- C. Fabric, 5% of product by weight, with stain resistant treatment containing Perfluorinated Compounds (PFCs)
- **D. Metal base, 20% of product by weight, which do not contain heavy metals and is not plated with hexavalent chromium**

Answer: D

Explanation:

Explanation

The metal base, 20% of product by weight, which do not contain heavy metals and is not plated with hexavalent chromium, contributes toward Materials and Resources Credit, Furniture and Medical Furnishings.

This is because it meets the criteria of Option 1: Minimal Chemical Content, which requires that all components that constitute at least 5%, by weight, of a furniture or medical furnishing assembly must contain less than 100 ppm of at least four of the five chemical groups listed in the option. The other portions of the product either do not meet the 5% weight threshold (wheels), or contain chemicals that are restricted by Option 1 (fabric, armrests).References: LEED v4 BD+C Reference Guide, Materials and Resources Category, MRc Furniture and Medical Furnishings, Option 1. Minimal Chemical Content, page 711.

NEW QUESTION # 227

Which of the following is the location of CO2 sensors in naturally ventilated spaces to comply with the Indoor Environmental Quality Prerequisite, Minimum Indoor Air Quality Performance?

- A. On the ceiling 3 ft. (1 m) away from adjacent walls
- B. At least 3 ft. (1 m) away from windows
- C. At least 6 ft. (2 m) above the floor
- D. Between 3 ft. and 6 ft. (1 m and 2 m) above the floor

Answer: D

Explanation:

Explanation

According to the LEED v4: Building Design + Construction Guide, the location of CO2 sensors in naturally ventilated spaces to comply with the Indoor Environmental Quality Prerequisite, Minimum Indoor Air Quality Performance is between 3 ft. and 6 ft. (1 m and 2 m) above the floor. This is one of the requirements for Option 2. Naturally Ventilated Spaces, which applies to projects that rely on natural ventilation for all or part of the occupied spaces. The CO2 sensors must be located in each zone with natural ventilation openings, and must be capable of generating an alarm when the CO2 concentration exceeds the design value1.

The other choices are not correct, because:

* At least 6 ft.(2 m) above the floor is the location of CO2 sensors in mechanically ventilated spaces, not naturally ventilated spaces1.

* At least 3 ft.(1 m) away from windows is a general guideline for locating CO2 sensors, but it does not specify the height above the floor2.

* On the ceiling 3 ft.(1 m) away from adjacent walls is not a recommended location for CO2 sensors, as it may not reflect the actual CO2 concentration at the breathing zone of the occupants2.

References: LEED v4: Building Design + Construction Guide, Indoor Environmental Quality Prerequisite, Minimum Indoor Air Quality Performance, Option 2.Naturally Ventilated Spaces, Requirements1; ASHRAE Standard 62.1-2016, User's Manual, Chapter 6, Section 6.2.72

NEW QUESTION # 228

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