

Pass Guaranteed Quiz EDGE - Unparalleled EDGE-Expert - Excellence in Design for Greater Efficiencies (EDGE Expert) Exam Passed



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You will need to pass the EDGE EDGE-Expert exam to achieve the Excellence in Design for Greater Efficiencies (EDGE Expert) Exam (EDGE-Expert) certification. Due to extremely high competition, passing the Excellence in Design for Greater Efficiencies (EDGE Expert) Exam (EDGE-Expert) exam is not easy; however, possible. You can use Actual4dump products to pass the Excellence in Design for Greater Efficiencies (EDGE Expert) Exam (EDGE-Expert) exam on the first attempt. The Excellence in Design for Greater Efficiencies (EDGE Expert) Exam (EDGE-Expert) practice exam gives you confidence and helps you understand the criteria of the testing authority and pass the Excellence in Design for Greater Efficiencies (EDGE Expert) Exam (EDGE-Expert) exam on the first attempt.

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Three User-Friendly Formats With Real EDGE EDGE-Expert Questions

Actual4dump's Excellence in Design for Greater Efficiencies (EDGE Expert) Exam (EDGE-Expert) exam questions contain EDGE EDGE-Expert real questions and answers that have been compiled and verified by EDGE specialists in the field. This demonstrates that the real questions and answers in the Excellence in Design for Greater Efficiencies (EDGE Expert) Exam (EDGE-Expert) material are legitimate for the Excellence in Design for Greater Efficiencies (EDGE Expert) Exam (EDGE-Expert) practice exam. The EDGE EDGE-Expert practice questions are intended to help you easily and confidently clear the Excellence in Design for Greater Efficiencies (EDGE Expert) Exam (EDGE-Expert).

EDGE Excellence in Design for Greater Efficiencies (EDGE Expert) Exam Sample Questions (Q57-Q62):

NEW QUESTION # 57

What are the benefits of using a pool cover that are recognized in EDGE?

- A. Reduce both water and energy demand
- B. Increase solar control and comfort
- C. Reduce chemical consumption and that of cleaning products
- D. Require less maintenance and work from employees

Answer: A

Explanation:

Pool covers are a water and energy efficiency measure in EDGE, particularly relevant for hotels with swimming pools. The EDGE User Guide outlines their benefits: "Pool covers reduce water demand by minimizing evaporation and energy demand by reducing the need for heating, as they retain heat in the pool."

In EDGE, the use of pool covers is recognized for its dual impact on reducing both water and energy consumption" (EDGE User Guide, Section 5.3: Additional Water Efficiency Measures). Option B, reduce both water and energy demand, directly aligns with this description. Option A (increase solar control and comfort) is incorrect, as pool covers are not recognized in EDGE for solar control or occupant comfort but for resource savings. Option C (require less maintenance and work from employees) and Option D (reduce chemical consumption and that of cleaning products) are potential secondary benefits but are not quantified or recognized in EDGE calculations, as confirmed by: "EDGE focuses on measurable water and energy savings from pool covers, not on maintenance or chemical use reductions" (EDGE Methodology Report Version 2.0, Section 4.3: Water Efficiency Calculations). Thus, Option B is the correct answer.

Reference: EDGE User Guide Version 2.1, Section 5.3: Additional Water Efficiency Measures; EDGE Methodology Report Version 2.0, Section 4.3: Water Efficiency Calculations.

NEW QUESTION # 58

The EDGE Preliminary Certificate is issued by the EDGE:

- A. Certification Provider.
- B. Auditor.
- C. Operations and Management Team
- D. Expert.

Answer: A

Explanation:

The issuance of certificates in the EDGE certification process is a defined responsibility assigned to specific roles. The EDGE Certification Protocol states: "The EDGE Preliminary Certificate, awarded at the design stage, is issued by the EDGE Certification Provider after the Auditor submits a recommendation for certification based on the design audit. The Certification Provider reviews the Auditor's report and, if compliant, issues the certificate" (EDGE Certification Protocol, Section 3.3: Certification Decision).

Option C, Certification Provider, aligns with this process, as entities like GBCI are responsible for issuing certificates. Option A (Auditor) is incorrect, as Auditors only recommend certification: "The Auditor's role is to provide a recommendation, not to issue the certificate" (EDGE Expert and Auditor Protocols, Section 2.2):

Roles of EDGE Auditor). Option B (Expert) is also incorrect, as Experts advise on design, not certification:

"EDGE Experts assist with project design and self-assessment, not certification issuance" (EDGE Expert and Auditor Protocols, Section 2.1: Roles of EDGE Expert). Option D (Operations and Management Team) is wrong, as this team supports the overall program, not individual certifications: "The EDGE Operations and Management Team oversees program development, not certificate issuance" (EDGE Certification Protocol, Section 1.3: Program Structure). Thus, the Preliminary Certificate is issued by the Certification Provider (Option C).

Reference: EDGE Certification Protocol, Section 3.3: Certification Decision, Section 1.3: Program Structure; EDGE Expert and Auditor Protocols, Section 2.1: Roles of EDGE Expert, Section 2.2: Roles of EDGE Auditor.

NEW QUESTION # 59

For a project in a hot and dry climate with no air-conditioning system, which of the following will NOT have an impact on the occupants' thermal comfort?

- A. Ceiling fans
- B. Wall and roof insulation
- C. Solar shading

- D. Solar photovoltaics

Answer: D

Explanation:

In a hot and dry climate without air-conditioning, thermal comfort relies on passive design strategies that reduce heat gain or improve air movement. The EDGE User Guide discusses passive measures for thermal comfort: "In hot climates without air-conditioning, thermal comfort can be improved through ceiling fans, which enhance air movement, solar shading, which reduces solar heat gain, and wall and roof insulation, which minimizes heat transfer into the building" (EDGE User Guide, Section 3.5: Passive Design Strategies).

Option A (ceiling fans) improves air movement, directly impacting thermal comfort: "Ceiling fans increase air speed, enhancing evaporative cooling on occupants' skin" (EDGE Methodology Report Version 2.0, Section 5.5: Thermal Comfort Measures).

Option B (solar shading) reduces heat gain, improving comfort: "External shading reduces solar radiation entering the building, lowering indoor temperatures" (EDGE User Guide, Section 3.5: Passive Design Strategies). Option C (wall and roof insulation) also enhances comfort by reducing heat transfer: "Insulation lowers the U-value of the building envelope, maintaining cooler indoor temperatures" (EDGE User Guide, Section 4.1: Insulation Measures). Option D (solar photovoltaics) generates electricity but does not directly affect thermal comfort in a building without air-conditioning: "Solar photovoltaics contribute to energy supply but do not directly influence indoor thermal comfort unless used to power cooling systems, which are absent in this scenario" (EDGE Methodology Report Version 2.0, Section 5.3: Energy Measures).

Thus, solar photovoltaics (Option D) will not impact thermal comfort in this context.

Reference:EDGE User Guide Version 2.1, Section 3.5: Passive Design Strategies, Section 4.1: Insulation Measures; EDGE Methodology Report Version 2.0, Section 5.5: Thermal Comfort Measures, Section 5.3: Energy Measures.

NEW QUESTION # 60

Is it possible to be both the EDGE Expert and Auditor on a project?

- A. Yes, but only in the case that there are no other EDGE Auditors available for the project.
- B. No, even if EDGE Certifier agrees to special terms to have no conflict of interest.
- C. Yes, they can be both an EDGE Auditor and EDGE Expert in all cases.
- D. No, an EDGE Expert cannot be the EDGE Auditor on the same project.

Answer: D

Explanation:

The EDGE framework strictly enforces separation of roles to maintain integrity and avoid conflicts of interest during the certification process. The EDGE Expert and Auditor Protocols explicitly address this issue: "An individual cannot serve as both the EDGE Expert and EDGE Auditor on the same project. This separation ensures independence in the audit process, as the Expert's role as a consultant advising the project team could bias the Auditor's objective assessment of the project's compliance with EDGE standards" (EDGE Expert and Auditor Protocols, Section 2.3: Conflict of Interest). Option A, no, an EDGE Expert cannot be the EDGE Auditor on the same project, directly reflects this rule. Option B (no, even if the Certifier agrees to special terms) adds an unnecessary condition, as the protocols do not allow exceptions: "No exceptions are permitted for an individual to serve in both roles on the same project, regardless of agreements or special terms" (EDGE Expert and Auditor Protocols, Section 2.3: Conflict of Interest). Option C (yes, in all cases) is incorrect, as it contradicts the conflict-of-interest rules: "Allowing dual roles in all cases would undermine the impartiality required for certification" (EDGE Certification Protocol, Section 3.1: Certification Process). Option D (yes, if no other Auditors are available) is also incorrect, as availability does not override the conflict-of-interest prohibition: "Even if no other Auditors are available, the roles must remain separate; the Client must find a different Auditor or delay the audit" (EDGE Expert and Auditor Protocols, Section 4.1: Audit Process). The EDGE User Guide reinforces this principle: "The separation of Expert and Auditor roles ensures a fair and unbiased certification process, protecting the credibility of EDGE certification" (EDGE User Guide, Section 6.4: Working with EDGE Experts). Thus, it is not possible to be both (Option A).

Reference:EDGE Expert and Auditor Protocols, Section 2.3: Conflict of Interest, Section 4.1: Audit Process; EDGE Certification Protocol, Section 3.1: Certification Process; EDGE User Guide Version 2.1, Section 6.4: Working with EDGE Experts.

NEW QUESTION # 61

The COP of the water-cooled chiller is 6, and the cooling thermal load is 3516 W. What is the power rating of the chiller?

- A. 586 W

- B. 21096 W
- C. 3522 W
- D. 3510 W

Answer: A

Explanation:

The Coefficient of Performance (COP) is used in EDGE to calculate the electrical power input required for a given thermal output of a chiller. The EDGE Methodology Report defines COP as: "COP is the ratio of thermal output to electrical input, expressed as COP = Thermal Output / Electrical Input. To find the electrical input (power rating), rearrange the formula: Electrical Input = Thermal Output / COP" (EDGE Methodology Report Version 2.0, Section 5.1: Energy Efficiency Metrics). Given the COP of the water-cooled chiller as 6 and the cooling thermal load (thermal output) as 3516 W, the power rating is calculated as follows: Electrical Input = $3516 \text{ W} / 6 = 586 \text{ W}$. Option A, 586 W, matches this calculation. Option B (3510 W) is incorrect, as it is slightly less than the thermal output, implying an unrealistic COP near 1. Option C (3522 W) is slightly above the thermal output, also incorrect. Option D (21096 W) is the result of multiplying the thermal output by the COP (3516×6), which is the inverse of the correct calculation. The EDGE User Guide confirms: "For a chiller with a COP of 6, the electrical input is one-sixth of the thermal output, ensuring energy efficiency is accurately assessed" (EDGE User Guide, Section 4.2: Energy Efficiency Measures). Thus, the power rating is

586 W (Option A).

Reference:EDGE Methodology Report Version 2.0, Section 5.1: Energy Efficiency Metrics; EDGE User Guide Version 2.1, Section 4.2: Energy Efficiency Measures.

NEW QUESTION # 62

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The certification is necessary to get a job in your desired EDGE company. Success in the test gives you an edge over the others because you will have certified skills that will make a good impression on the interviewer. Most people preparing for the EDGE-Expert Exam are confused about preparation. How will they get real and updated Excellence in Design for Greater Efficiencies (EDGE Expert) Exam (EDGE-Expert) exam questions?

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