

最新AEE CEM題庫資源，CEM考古題分享



International Version

AEE
Association of Energy Engineers

Certified Energy Manager® Training Program

A Certified Energy Manager (CEM®) is an individual who optimizes the energy performance of a facility, building, or industrial plant. The CEM is a systems integrator for electrical, mechanical, process, and building infrastructure, analyzing the optimum solutions to reduce energy consumption using a cost-effective approach. CEM's are often team leaders and help to develop and implement their organizations' energy management strategies.

About this Program

AEE's premium training program is recognized across industry for providing energy professionals a holistic "big-picture" view of energy management for non-residential buildings and facilities. Over five days, attendees learn everything they need to know to optimize systems to help reduce costs, improve profits, and increase occupant satisfaction.

What You Will Learn

- Learn energy management from a global perspective, but also understand applicable codes, standards, and policies for your region or country.
- Learn how systems and energy-saving technologies can be used throughout a building, such as HVAC, lighting, motors, boilers, energy storage, CHP, etc.
- Learn how energy management strategies and practices, such as energy audits, or M&V, can help identify energy savings and reduce costs.
- Understand the economic aspects of energy management that you need to know for procurement, supply, and project financing.

At-a-Glance

- This training program prepares attendees to take the Certified Energy Manager® (CEM®) exam.
- This program is held over 5 days.
- You earn 33 CEU | 33 PDH | 6.6 AEE Credits for completing this program.

Key Takeaways

- Work through practical examples to demonstrate the topics and procedures covered.
- Review the various areas of the Body of Knowledge associated with AEE's certification exam.
- Discuss one-on-one with an instructor how to apply what you have learned to your business and applications to improve profitability.
- Leave with a course workbook that will become an invaluable desk reference.

Registration

Candidates should contact their local AEE approved training provider for information about available training programs, the certification application process, exam registration, and associated fees. To find your local training provider visit aee.center.org/training

CEM®

從Google Drive中免費下載最新的VCESoft CEM PDF版考試題庫：https://drive.google.com/open?id=10kDxVWtMyymMTmuG7wLkWz_55JyhO4d

關於CEM認證考試的相關資料，有很多網站都可以提供。但是，他們都不能保證考試資料的品質，同時也不能給你考試失敗就全額退款的保障。比起那些普通的參考資料，VCESoft的CEM考古題完全是一個值得你利用的工具。在VCESoft的指導和幫助下，你完全可以充分地準備考試，並且可以輕鬆地通過考試。如果你想在IT行業有更大的發展，那你有必要參加IT認證考試。如果你想順利通過你的IT考試嗎，那麼你完全有必要使用VCESoft的考古題。

通過VCESoft你可以獲得最新的關於AEE CEM 認證考試的練習題和答案。請早點擁有它吧，它能讓你通過你的第一次參加的AEE CEM 認證考試。目前最新的AEE CEM 認證考試的考試練習題和答案是VCESoft獨一無二擁有的。

>> 最新AEE CEM題庫資源 <<

CEM考古題分享 & 最新CEM考證

AEE的認證考試現在是很有人氣的考試。你已經取得了這個重要的認證資格嗎？比如，你已經參加了現在參加人數最多的CEM考試了嗎？如果還沒有的話，你應該儘快採取行動了。你必須要拿到如此重要的認證資格。在這裏我想說的就是怎樣才能更有效率地準備CEM考試，並且一次就通過考試拿到考試的認證資格。

最新的 Energy Management CEM 免費考試真題 (Q31-Q36):

問題 #31

A desk lamp is located inside a windowless office. The office is heated during the winter and cooled during the summer. When the

lamp is switched on, how much of the energy consumed by the lamp becomes heat in the office space?

- A. 120%
- B. 80%
- C. 100%
- D. 25%

答案： C

解題說明：

* All electrical energy consumed by the lamp is converted into heat within the space, either as direct heat or as waste heat from the light source.

* In a windowless office, no energy escapes as light. The light energy that is emitted eventually turns into heat through absorption by surfaces.

Thus, the correct answer is C. 100%.

問題 #32

Which of the following is NOT a renewable-energy resource?

SELECT THE CORRECT ANSWER

- A. Geothermal heat
- B. Crop residue
- C. Ocean waves
- D. Saw grass
- E. Shale gas

答案： E

解題說明：

Renewable energy resources are naturally replenished on a human timescale. Let's evaluate each option:

A). Saw grass:

A biomass resource, renewable through regrowth.

B). Shale gas:

A fossil fuel extracted from shale formations, non-renewable.

C). Geothermal heat:

Energy from Earth's internal heat, renewable.

D). Ocean waves:

Mechanical energy from ocean surface waves, renewable.

E). Crop residue:

Organic materials from agriculture, renewable.

Conclusion:

Shale gas is not a renewable energy resource. Therefore, the correct answer is B.

問題 #33

How can commissioning reduce the life-cycle cost to owners and operators?

- A. Improve the performance of energy systems
- B. Improve the effectiveness of operations and maintenance
- C. Reduce the cost of change orders during construction
- D. Improve the satisfaction of building occupants
- E. All of the above

答案： E

解題說明：

1) Life-Cycle Cost Reduction via Commissioning (CEM Guidance)

The AEE CEM Body of Knowledge emphasizes that commissioning reduces total life-cycle cost, not just first cost, through multiple pathways.

2) Evaluation of Each Option

- * A. Reduce the cost of change orders during construction
 - * Early detection of design and coordination issues reduces rework.
 - * B. Improve the performance of energy systems
 - * Ensures systems operate at intended efficiency.
 - * C. Improve the satisfaction of building occupants
 - * Better comfort reduces complaints and operational disruptions.
 - * D. Improve the effectiveness of operations and maintenance
 - * Training and documentation improve long-term reliability and efficiency.
- All are documented commissioning benefits in AEE CEM training materials.

問題 #34

A concentrating solar thermal system collects 5 GJ/h of thermal heat, which is delivered to a 94% efficient hot water generator. The hot water generator is used to raise the water temperature from 15°C to 65°C. The specific heat of water (C_p) is 4.2 kJ/kg-°C. What flow rate (liter/second) of hot water can be delivered from the hot water generator?

- A. 12.0 liter/second
- B. 9.2 liter/second
- C. 6.2 liter/second
- D. 4.2 liter/second

答案： B

解題說明：

Step 1: Compute Useful Thermal Energy Output

Given:

* Solar system delivers 5 GJ/h

* Hot water generator efficiency = 94%

A screenshot of a math problem AI-generated content may be incorrect.

問題 #35

Thermal scans of electrical equipment are useful for:

- A. Locating areas of high power factor
- B. Measuring the load on a refrigerant system
- C. Locating a loose electrical connection
- D. Reading current carrying capacity of installed conductors

答案： C

解題說明：

Step 1: Purpose of Thermal Scans

Thermal scans (infrared thermography) detect temperature variations in electrical components.

* Loose connections increase resistance # cause overheating, which is visible in thermal scans.

Step 2: Analysis of Each Option

* A. Locating areas of high power factor # Incorrect # Power factor is measured with power meters.

* B. Reading current-carrying capacity of conductors # Incorrect # Measured using ammeters and engineering data.

* C. Locating a loose electrical connection # Correct # Loose connections cause heat buildup, easily detected with thermal scans.

* D. Measuring the load on a refrigerant system # Incorrect # Refrigerant loads are measured using pressure sensors and flow meters.

Thus, the correct answer is C. Locating a loose electrical connection.

問題 #36

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在 VCESoft 網站上你可以免費下載我們提供的關於 AEE CEM 認證考試的部分考題及答案測驗我們的可靠性。VCESoft 提供的產品是可以 100% 把你推上成功，那麼 IT 行業的巔峰離你又近了一步。

CEM 考古題分享: <https://www.vcesoft.com/CEM-pdf.html>

