Certification: Green Building - Residential Examiner

Exam ID: G1

- 50 multiple-choice questions
- 2-hour limit
- Open book

01 Green Building Introduction 20%

0101 Terminology 12%
Understand and apply the acronyms and other terminology used in Green Building methods and applications.

0102 Identification 4%
Identify how Green Building Technology applies to new and existing buildings, including planning, construction phases, and occupancy.

0103 Scope 4%
Understand the environmental scope and impact of Green Technology in design and construction practices.

02 General Plans and Inspections 14%

0201 Rating Point System Methods 6%
Understand rating point systems as applied to Green Building performance levels.

0202 Mandatory Items 2%
Understand Green Building practices that are mandatory and/or required by other codes and standards.

0203 Prescriptive vs. Performance 2%
Understand alternative methods for achieving compliance.

0204 Adequacy of Construction Documents 2%
Determine that the content of the construction documents and all supporting data is adequate to verify compliance with the relevant sections of the applicable codes and standards, as well as Green Building practices.

0205 General Inspection Tasks 2%
Determine if required materials and equipment are installed on-site as specified on the construction documents, manufacturer’s installation instructions, and as required by code.
03 Site Selection, Layout, and Development 16%

0301 Site Selection and Land Development 8%
Identify site selection and land development practices that minimize the environmental impact of the project.

0302 Site Design 8%
Identify how the project is designed to avoid detrimental environmental impacts, minimize or mitigate unavoidable impacts, and protect wildlife as well as natural resources.

04 Building Design and Systems 20%

0401 Building Envelope 6%
Determine that the building envelope and its components conform to established codes and standards.

0402 Water Efficiency 6%
Identify measures that reduce indoor and outdoor water usage, and ensure that building plumbing systems conform to established codes and standards.

0403 HVAC Systems 6%
Determine that the building HVAC systems conform to established codes and standards.

0404 Electrical Systems 2%
Determine that the building electrical systems conform to established codes and standards.

05 Resource Efficiency 14%

0501 Efficient Use of Materials 8%
Recognize design and construction practices that reduce environmental impact by incorporating efficient building sizing, systems, and materials usage, and reduction/recycling of waste generated during construction.

0502 Certified Materials 4%
Understand how materials production and transport factors impact Green Building ratings.

0503 Enhanced Durability 2%
Recognize how design, material choices, and construction practices result in improved durability and reduced in-service maintenance.
06 Indoor Environmental Quality 16%

0601 Moisture Control 4%
Identify strategies used for controlling moisture within the structure so as to prevent moisture damage and adverse indoor air quality impacts.

0602 Pollutant Sources 6%
Identify strategies used for minimizing indoor air pollutant sources including materials, cooking, and fuel-fired equipment sources.

0603 Pollutant Controls 6%
Identify strategies used for diluting and removing indoor air pollutants.