

## TECHNOLOGY MODULE CONTENT OUTLINE

**EXAM ID: 02**

- **75 multiple-choice questions**
- **2-hour and 10-minute time limit**
- **Open book**

**01. ARCHITECTURAL PLAN REVIEW 35%**

**0101. Use and Occupancy Classification**

Determine use and occupancy classification of structures for building code compliance.

**0102. Construction Classification**

Determine required construction classification for code compliance.

**0103. Means of Egress Provisions**

Determine compliance of the means of egress provisions of the structure with the building code.

**0104. Light, Ventilation and Sanitation Provisions**

Determine compliance with light, ventilation and sanitation provisions of the structure with the building code.

**0105. Fire Resistance Provisions**

Determine compliance with fire resistance provisions of the structure with the building code.

**0106. Fire Protection Provisions**

Determine compliance with fire protection provisions for the structure with the building code.

**0107. Accessibility Provisions**

Determine compliance with provisions for accessibility for the structure with the building code.

**0108. Environmental and Natural Hazard Provisions**

Determine location for risk of, flood plain, seismic, wind and snow of the structure with the building code.

**0109. Special Use/Occupancy Provisions**

Determine compliance with special use occupancy provisions of the structure with the building code.

**0110. Energy Conservation Provisions**

Determine compliance of the structure with the energy code.

**02. STRUCTURAL PLAN REVIEW 12%**

**0201. Structural Provisions**

Evaluate building elements for compliance with required structural loads including wind, seismic, soil bearing capacity and snow loads.

**0202. Material Standards and Construction Methods**

Determine compliance for building materials and required methods of construction.

**03. BUILDING SYSTEMS PLAN REVIEW 18%**

**0301. Mechanical Provisions**

Determine compliance with the mechanical and fuel gas code.

**0302. Plumbing Provisions**

Determine compliance with the plumbing code.

**0303. Electrical Provisions**

Determine compliance with the electrical code.

**0304. Fire Suppression and Alarm Provisions**

Determine compliance with fire suppression and fire alarm provisions.

**04. FIELD INSPECTION 35%**

**0401. Site Inspection**

Evaluate site for soil conditions excavation and public protection with the code and approved plans.

**0402. Foundation Inspection**

Evaluate footings and foundation with the code and approved plans..

**0403. Structural Frame Inspection**

Evaluate structural frame with the code and approved plans..

**0404. Building Envelope Inspection**

Evaluate building envelope, insulation and finishes with the code and approved plans.

**0405. Electrical Inspection**

Evaluate electrical installation with the code and approved plans..

**0406. Plumbing Inspection**

Evaluate plumbing installation with the code and approved plans..

**0407. Mechanical Inspection**

Evaluate mechanical installation with the code and approved plans..

**0408. Fire Protection Inspection**

Evaluate fire protection, smoke control, suppression and alarm systems with the code and approved plans..

**0409. Final Building Inspection**

Evaluate the completed structure and systems with the code and approved plans.