

## POABC LEVEL I EXAMINATION

### Exam Basis

The exam is based on the job tasks performed by a Level I Plumbing Official involved with enforcing the plumbing provisions of the *British Columbia Building Code*. The exam outline is derived from an analysis of the job tasks and is grouped into content areas. The Content Outline shows the number of questions included on the exam for each content area and job task. Each exam question is based on one of the job tasks listed below.

### Exam Reference

Questions are referenced to the 2018 British Columbia Building Code Book I and British Columbia Plumbing Code Book II. Questions are supported by a Section, Subsection, Article, Sentence, Clause, or Subclause of one of the following:

#### BCBC Book I

Division B, Part 3 (Sections 3.7 and 3.8)

Division B, Part 9 (Sections 9.14 and 9.31)

#### BCPC Book II

All Divisions and all Parts

### Exam Format

Two and a half-hour time limit, 70 multiple choice questions, open book (code book may be used during exam).

## EXAM CONTENT OUTLINE

| <b>LEVEL I – POABC Plumbing Official</b> |  | <b># of Questions</b> |
|--|--|-----------------------|
| <b>01</b>                                | <b>General Requirements (Content Area)</b>   | <b>14</b>             |
| 0101                                     | <u>Service Connections and Fixture Locations</u> (Task)<br>Inspect piping systems for proper connection to public systems.   | 1                     |
| 0102                                     | <u>Qualified Personnel</u> (Task)<br>Verify that piping systems are installed by qualified personnel with proper credentials to inspect piping systems.  | 1                     |
| 0103                                     | <u>Code Definitions, Usage, and Terms</u> (Task)<br>Communicate with associates, contractors, and the public using code definitions and accepted trade terms found on supply lists, drawings, blue prints, sketches, and specifications.           | 5                     |
| 0104                                     | <u>Plan Reading and Drawings</u> (Task)<br>Read plans and drawings and verify piping systems, fixtures, and appliances are in compliance with code provisions.   | 4                     |
| 0105                                     | <u>Compliance</u> (Task)<br>Determine compliance using Alternative Solutions or Acceptable Solutions of the Code.  | 1                     |
| 0106                                     | <u>Plumbing Facilities</u> (Task)<br>Determine minimum required plumbing facilities for buildings and occupancies.   | 2                     |
|  |  |                       |
| <b>02</b>                                | <b>Materials and Equipment (Content Area)</b>  | <b>8</b>              |
| 0201                                     | <u>Conformance to Standards</u> (Task)<br>Determine conformance to standards for materials and equipment.  | 5                     |
| 0202                                     | <u>Location, Clearance, and Access</u> (Task)<br>Inspect the installation of fixtures, traps and interceptors, fittings and materials to determine they are installed in compliance with code provisions including clearances, access and sealing. | 3                     |
|  |  |                       |
| <b>03</b>                                | <b>Piping (Content Area)</b>   | <b>5</b>              |
| 0301                                     | <u>Piping Joints and Connections</u> (Task)<br>Inspect piping system joints and connections for compliance with code provisions.   | 2                     |
| 0302                                     | <u>Piping Protection, Support, Sleeves &amp; Penetrations</u> (Task)   | 1                     |

|           |   |           |
|-----------|---|-----------|
|           | Inspect piping systems to insure they are protected from corrosion, stress and strain, freezing, physical damage including proper bedding and backfilling is used, and determine proper support, sleeving, penetrations and waterproofing of exterior openings. |           |
| 0303      | <u>Required Testing of Plumbing Systems</u> (Task)<br>Determine that required tests of piping systems are performed   | 2         |
| <b>04</b> | <b>Drainage Systems (Content Area)</b>  | <b>10</b> |
| 0401      | <u>Connection to Drainage Systems</u> (Task)<br>Determine the connection of fixtures and piping to sanitary drainage systems complies with code provisions for approved materials and use of proper fittings, joints, and connectors.                           | 2         |
| 0402      | <u>Location of Fixtures</u> (Task)<br>Determine that fixtures are located as required by the code for with proper locations, clearances, protection, pans and seismic restraint.  | 1         |
| 0403      | <u>Treatment of Sewage and Wastes</u> (Task)<br>Determine that provisions are made for treatment of sewage and wastes including chemical treatment, high-temperature and neutralization systems.  | 1         |
| 0404      | <u>Traps</u> (Task)<br>Verify that traps are installed according to code provisions including correct type, size, design, and location.   | 2         |
| 0405      | <u>Drainage Piping</u> (Task)<br>Verify that drainage piping is installed according to all code provisions including size, location, slope, cleanouts, backflow prevention, sumps, and required ejectors.   | 2         |
| 0406      | <u>Foundation Drainage</u> (Task)<br>Verify that foundation drainage piping is installed according to all code provisions including size and location.  | 2         |
| <b>05</b> | <b>Venting Systems (Content Area)</b>   | <b>13</b> |
| 0501      | <u>Vent Sizing</u> (Task)<br>Inspect for proper sizing and the minimum venting requirements.  | 8         |
| 0502      | <u>Venting Methods</u> (Task)<br>Determine that wet venting, circuit venting, air admittance valves, and other venting methods comply with code requirements.   | 5         |
| <b>06</b> | <b>Potable Water Systems</b>  | <b>15</b> |
| 0601      | <u>Materials, Joints, and Connections</u> (Task)<br>Determine that approved materials, joints and connections are used.   | 2         |
| 0602      | <u>Identification, Sizing, and Valving</u> (Task)<br>Inspect the service and distribution piping for proper Installation of cold and hot water delivery, identification, sizing and valving.  | 7         |
| 0603      | <u>Protection against Contamination</u> (Task)<br>Inspect the potable water supply and distribution piping for proper protection against contamination.   | 4         |
| 0604      | <u>Pressure and Volume Requirements</u> (Task)<br>Verify the minimum and maximum pressure and volume requirements.  | 1         |
| 0605      | <u>Water Efficiency</u> (Task)<br>Determine that flow rates of fittings supplying water to plumbing fixtures and fixture efficiency comply with code provisions.  | 1         |
| <b>07</b> | <b>Non-Potable Water Systems (Content Area)</b>   | <b>1</b>  |
| 0701      | <u>Non-Potable Systems</u> (Task)<br>Determine that non-potable water systems comply with code requirements including connections, identification, and location.  | 1         |
| <b>08</b> | <b>Accessibility Requirements (Content Area)</b>  | <b>4</b>  |
| 0801      | <u>Accessibility Requirements for Plumbing Fixtures</u> (Task)<br>Verify locations and dimensions for installation of accessible plumbing fixtures.   | 4         |
|           | <b>Total</b>  | <b>70</b> |

