# SELF - ASSESSMENT GUIDE

**Qualification:**

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<th>PLUMBING NC I</th>
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<td>• Prepare Plumbing Layout</td>
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<td>• Make Piping Joints and Connections</td>
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<td>• Perform Minor Construction Works</td>
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<td>• Install and Assemble Single Plumbing Unit</td>
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## Instruction:
- Read each of the questions in the left-hand column of the chart.
- Place a check in the appropriate box opposite each question to indicate your answer.

### Can I?  

<table>
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<th>YES</th>
<th>NO</th>
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## PREPARE PLUMBING LAYOUT

- Identify and select tools and materials as per job requirements
- Select and use appropriate PPE as per job requirements
- Observe safety regulations and practices
- Identify locations of pipe stub outs as per job requirements.
- Check pipe stub-out plumbness and alignment prior to concrete pouring.
- Prepare pipe sleeve openings according to job requirements
- Cut pipes within tolerance / required length and according to specifications
- Check and verify tools and materials to ensure if free from any damage and defects
- Maintain tools in accordance with work place procedures.
- Demonstrate knowledge of faults and problems and common solutions
- Collect and store reusable materials as per standard practice
- Perform good housekeeping following safety standards
- Dispose waste and scrap materials as per environmental procedure
### MAKE PIPING JOINTS AND CONNECTIONS

- Set measurements following piping lay-out / plans and specifications
- Make joints according to perpendicularly and levelness of alignment
- Select and use pipe sealant in line with job requirements
- Clean pipes and fittings following standard operating procedure
- Perform trial fitting of pipes prior to final connection following standard operating procedure
- Select and use tools, materials and equipment according to job requirements
- Apply teflon tape and / or other related materials according to job requirements
- Perform threading connections following piping table and specifications
- Pack joints firmly with oakum or hemp and fitted with molten pig lead or epoxy to a depth of not less than 25.4 mm and are aligned with each other when using bell and spigot cast iron pipes and fittings
- Install couplers to connect pipes and fittings for cast iron hubless pipes and fittings
- Select and use PPE in line with job requirement
- Perform good housekeeping

### PERFORM MINOR CONSTRUCTION WORKS

- Interpret work instructions as to job requirements
- Select materials, tools and equipment in line with job requirements
- Select and use PPE in line with job requirements
- Perform piping lay-out and planting of pipe sleeves on walls and floors
- Set out dimensions and alignment according to specified roughing-in measurements
- Cut walls without causing damage to floors/walls and adjacent systems/installations
- Restore cut concrete walls and floors in original condition
- Perform good housekeeping
## INSTALL AND ASSEMBLE SINGLE PLUMBING UNIT

- Read and interpret work instructions/plans in accordance with the job requirements
- Select and prepare materials, tool and equipment in line with job requirements
- Install pipes and fittings according to plans and specifications following the Revised National Plumbing Code of the Philippines (RNPCP)
- Align drainage/sewer/vent piping system with water supply and provides clean-outs as indicated in the approved plan
- Use approved fittings in installing drainage/sewer pipes
- Observe correct usage of tools and equipment according to manufacturer's instruction manual
- Use correct specifications of materials for hot and cold water piping according to job requirements
- Install hot and cold water supply system according to the approved working plan
- Assemble leak free water supply line, aligned with drainage/vent/waste piping system
- Use correct specifications for pipe insulation materials according to job requirements
- Install water piping at least 0.3 meter above the sewer line
- Install plumbing fixtures according to specified roughing-in measurements and/or manufacturer's specifications and required standard in the RNPCP
- Secure plumbing fixtures rigidly with strict adherence to perpendicularity and levelness
- Follow safety regulations and practices*
- Use PPE in line with job requirements*
- Perform good housekeeping*

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*I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.

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<thead>
<tr>
<th>Candidate’s Name &amp; signature:</th>
<th>Date:</th>
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Plumbing NC I