

Plumber Intermediate Trade Test Major Assessment Criteria of Practical Test

(Version : IPM-AC-EN-03)

This document covers the major assessment criteria of the updated test scope for Plumber Intermediate Trade Test.

Applicants Please Note:

- For all Plumber Intermediate Trade Test applications submitted on or after 1 July 2022, the updated test scope will be applied to the scheduled test.
- For Plumber Intermediate Trade Test applications submitted on or before 30 June 2022, please feel free to indicate clearly the preferred test version (i.e. existing test scope / updated test scope) in the application form for our arrangement. Otherwise, the existing test scope will be implied to the scheduled practical test.

For the existing test scope, please refer to the CIC website or contact Hong Kong Construction Industry Trade Testing Centre at 2100 9000.

此文件關於水喉工中級工藝測試實務測試主要評分範圍。

如需索取此文件的中文版本，請致電 2100 9000 與香港建造業工藝測試中心聯絡。

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Major Assessment Criteria of Practical Test

A. Technical Assessment:

Area of Assessment	Major Assessment Criteria	Score %
(1) Understanding of drawing and specification of works	Read the test papers, drawing(s) and requirement(s) and works in accordance with the test drawing(s)/ requirement(s)/ specification(s)*	5%
(2) Preparation prior to works	Preparation prior to works including checking tools and materials, and complete the checklist	5%
(3) Works procedure, accuracy and quality	<p><u>Installation of water supply system</u> Works procedure including measuring and marking, drilling holes, fixing pipe bracket(s), fixing and bending pipe(s), pipes connection by soldering and compression and water pressure test Accuracy and quality of works including techniques of fixing pipe bracket(s) and bending pipe(s), accuracy and quality of installing faucet seat and connecting pipes, accuracy and quality of fixing pipes, shower-tap*, valve, associated fittings, and etc. and water pressure test (hydraulic test)*</p> <p><u>Installation of kitchen sink with single bowl, drain system and others</u> Works procedure including measuring and cutting pipes, fixing pipe bracket(s), connecting pipes and associated fittings, and installing stainless steel kitchen sink with single bowl, faucets, shower head, shower valve, anti-syphonage traps, drains, and etc. Accuracy and quality of works including position, level, stability and completeness of installing stainless steel kitchen sink with single bowl and associated fittings, workmanship and quality of installing pipe brackets, grip collars, faucets, shower head, shower valve, anti-syphonage traps, drains, pipes and associated fittings</p>	75%
(4) Application and handling of materials	Proper choose and use of materials including pipes, pipe bracket(s) and fittings	5%
(5) Proper use of tools and equipment	Proper use of tools and equipment including spirit level, electric drill, adjustable wrench/plier, blow torch, test pump and etc.	5%
(6) Housekeeping after work	Housekeeping after work including cleanliness and tidiness of workplace, tools, fittings and toolbox	5%

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Major Assessment Criteria of Practical Test (Cont.)

A. Technical Assessment (Cont.):



Candidate who fails to comply with any specified requirements listed below during the test will lead to fail of the test.

Specific Requirement	Test/ Assessment Item
* Failing in <u>any ONE item(s) (or above) listed on the right column</u> will lead of fail of the test	Assessment item(s) : 1. Read the test papers, drawing(s) and requirement(s) and works in accordance with the test drawing(s)/ requirement(s)/ specification(s) 2. Accuracy in installation of shower-tap 3. Water pressure test (hydraulic test)

B. Safety Assessment:



Candidate who fails to comply any safety requirements or performs any unsafe act during the test, marks will be deducted in accordance with the degree and recurrence of unsafe act and will lead to fail of the test.

Violations/ Dangerous Conditions to Avoid	
Applies to use and handling of tools/ equipment	<ul style="list-style-type: none"> Improper use of electric drills, blow torch, pipe bender and test pump
Applies to work-at-height	<ul style="list-style-type: none"> Improper use of ladder platform/ safety step stool/ metal scaffold working platform/ full body harness/ connect of harness lanyard to suitable anchor point Improper/ failed to use fall arrestor/ independent lifeline Falling object from height during work on working platform
Applies to whole test	<ul style="list-style-type: none"> Improper/ without use of safety helmet/ safety helmet belt chin strap/ safety glasses or goggles

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Major Assessment Criteria of Practical Test (Cont.)

Overall Assessment Framework:

Assessment Item	Passing Requirements
A. Technical Assessment	Achieve 60 marks out of 100 marks; and meet the specific requirement(s) in specified item(s) of the technical assessment.
B. Safety Assessment	Achieve 6 marks out of 10 marks.

Candidate must fulfil the passing requirements of both Part A and B listed above to achieve an overall “Pass” grade in the practical test.

Precautions

This document is provided as reference for test preparation only. Under all circumstances all content in the official test papers, including but not limited to the terms and conditions therein, prevails. There are different versions of the test paper, content include but not limited to tools, materials, equipment, drawing, construction details or procedures and different simulated site environments. Candidates should refer to the official test documents during testing.

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