

# Plumber

## Intermediate Trade Test

### Practical Test Mock Paper

( Version : IPM-PM-EN-03 )



此文件關於水喉工中級工藝測試實務測試模擬試題。

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## Enquiries

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# Plumber Intermediate Trade Test

## Practical Test Mock Paper

**Trade:** Plumber

**Grade:** Semi Skilled Worker

**Test Content:** Complete the following items at designated location:

1. Installation of polyvinyl chloride pipes and copper pipes: bracket fixing, cutting and bending of pipes.
2. Make connections of various types of pipes and fittings and anti-syphonage trap(s): soldering, compression joint, adhesive type joint, threading joint, and process hydraulic (water pressure) test.
3. Installation of stainless steel kitchen sink with single bowl, compression fitting copper wallplate (copper wallplate), shower valve, shower head, and etc.

Note: Candidate is required to connect the anti-syphonage trap to a floor drain pipe on a metal scaffold preset in trade testing workshop, so as to simulate the working environment of the exterior wall of a building.

**Duration:** 3 hours and 30 minutes

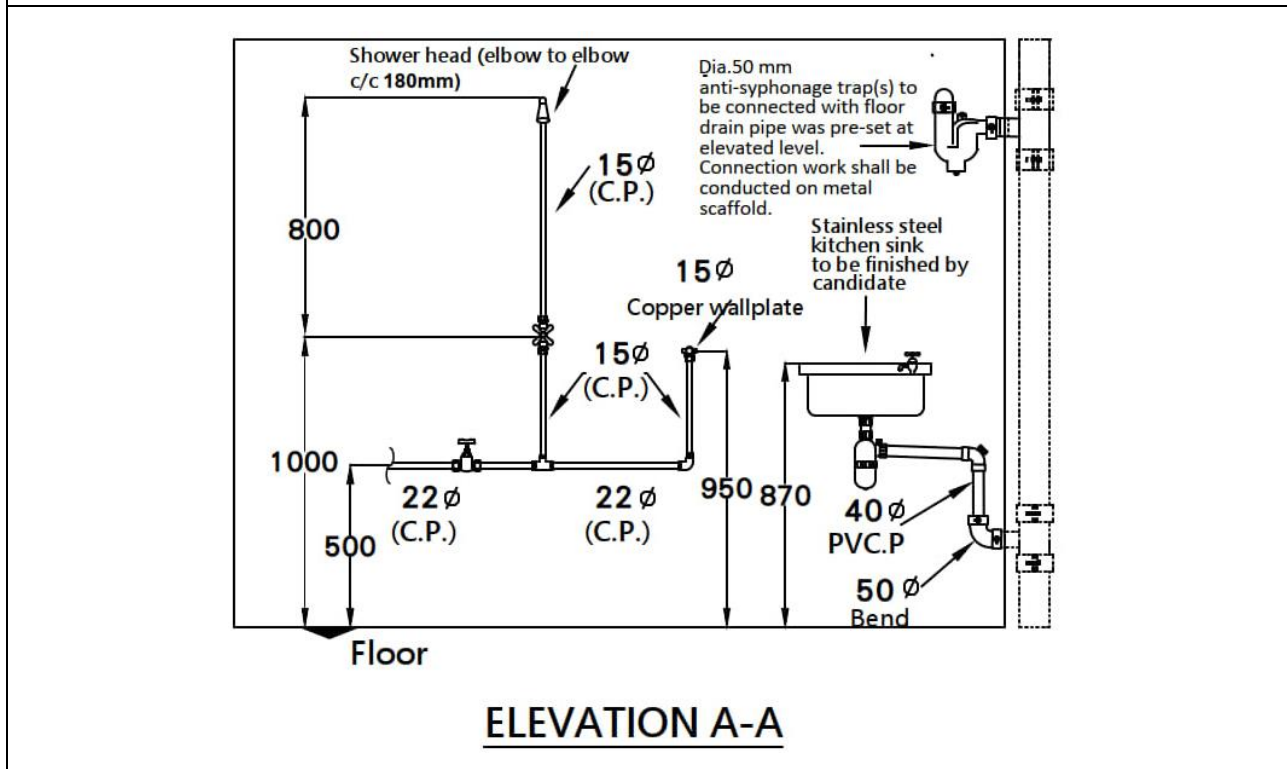
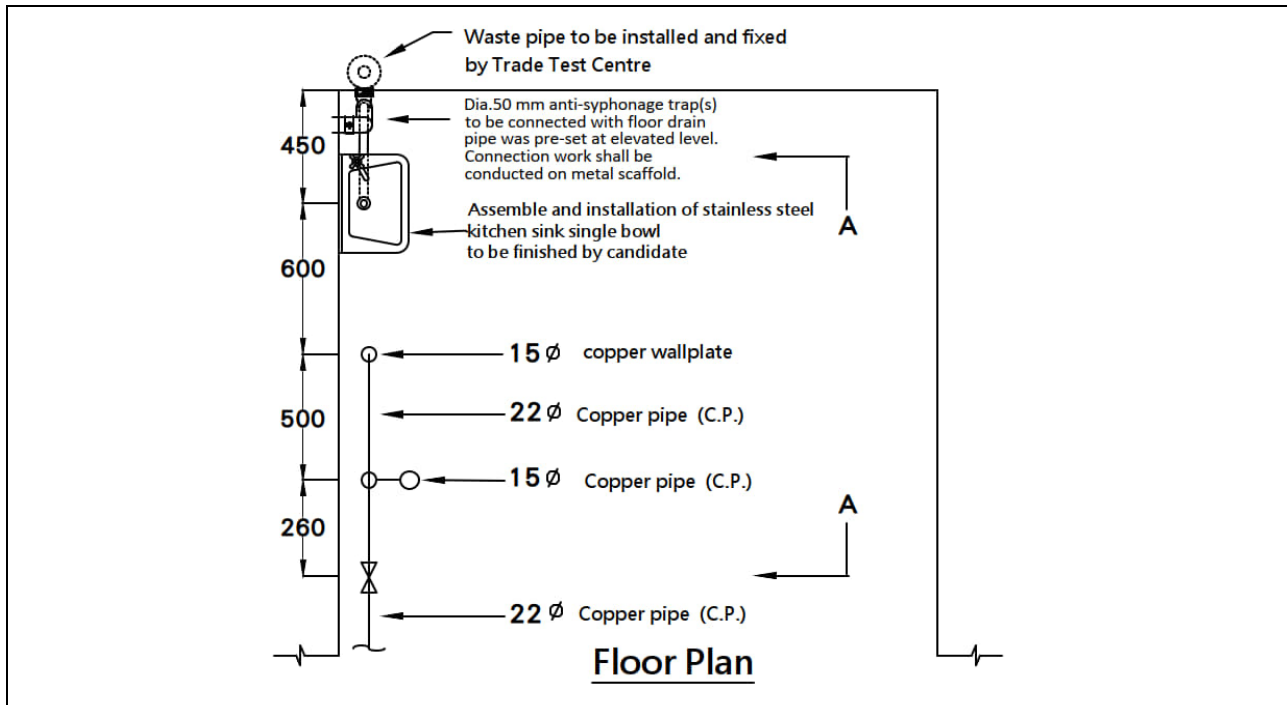
- Notes:**
- (1) Candidate should read the attached “Notes to Candidate” before commencement of work and comply with all test related rules and requirements.
  - (2) To achieve overall “Pass” grade in practical test of trade test, candidates should satisfy ALL testing requirements as stated below:
    - obtain “Pass” grade in technical skill section (i.e. achieve minimum 60 marks out of 100 marks, and no serious mistakes made in technical aspect and at works during the test,
    - meet the specific requirement(s) in specified item(s) of assessment criteria, and
    - obtain “Pass” grade in safety assessment (remarks: candidates will be deemed as candidates will be deemed as “Fail” if he/she fails to carry out necessary safety precautionary actions during the test).
  - (3) If the candidate cannot pass the water pressure test within the designated time period, the practical test will be marked fail.
  - (4) For the details of assessment criteria for practical test, please refer to “Major Assessment Criteria of Practical Test for Plumber Intermediate Trade 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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## Drawing for Plumber Intermediate Trade Test



- Drawing not to scale.
- All dimensions are in mm.
- Water pressure test 150psi (or 10.5kg/cm<sup>2</sup>).
- During water pressure testing, the reading of 100mm $\phi$  water test pressure gauge shall prevail.

### Notes:

1. Prior to commence the work, candidate should estimate the required length of pipe for piping and pipe cutting works.
2. Bracket position and 's'-shaped bending size shall refer to test sample and actual installation conditions.

## Notes to Candidate

1. Candidates should read the test papers carefully and ask the invigilator for any queries.
2. Practical test making scheme is based on the following criteria:
  - a. Understanding of drawing and specification
  - b. Preparation works before commencement of test
  - c. Working procedures, accuracy, quality of works
  - d. Proper handling and use of materials
  - e. Proper use of tools and equipment
  - f. Housekeeping after completion of test
  - g. Safety precautions
3. Candidates should study the drawings and specifications attached to the test paper, if any, before the test begins.
4. Candidates should carry out the test according to test papers, working drawings and specifications provided.
5. Candidates shall bring their own safety shoes and appropriate workwear, other safety equipment will be provided by HKCITTC. Candidates must take all necessary safety precautions to ensure work safety.
6. All tools and materials required by the test will be provided by HKCITTC, candidates should check and ensure their adequacy and quality. All the tools must be returned to HKCITTC after the test. The candidates may ask the invigilator for any problems.
7. Candidates are required to handle and move the tools and materials for use in the test, and to carry out associated works.
8. All candidates must stop when time is up.
9. Candidates are required to return the test paper to invigilator after the test.
10. Invigilator will take record photos periodically during the test.
11. Candidates are not allowed to take any photo or video with cameras or mobile phones.
12. Candidates are not allowed to use their mobile phones during the trade tests, except for emergency situation.
13. Offering bribe to invigilator is an offence in law and HKCITTC will report to the ICAC for any such case.
14. Subject to certain situations and/or conditions of the date of event, trade tests/courses could be at any moment suspended or postponed at discretion of the invigilators. Examples of such situation/condition could be, but not limited to, (a) sudden operation disruptions to classrooms, test venues, test equipment or tools etc. due to unforeseeable mishaps; (b) sickness or injury of candidates, students or elated staff of the HKCITTC; (c) adverse weather condition. The HKCITTC will rearrange another appointment, for free, with the candidates/students affected. Whilst every effort is made to ensure the smooth running of trade test/courses, the HKCITTC will not resume any liability any loss/damage directly or indirectly related to such arrangement.

In the event that the candidate fails to take any necessary safety precautions and / or works in any dangerous situations, he / she will be assessed failed.