



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Fire Service Mechanical Fitter Intermediate Trade Test Mock Practical Test Paper

此文件關於消防機械裝配工工藝測試考題。如有需要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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Enquiries

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Trade Test Paper

Trade: Fire Service Mechanical Fitter

Grade: Semi-skilled Worker

Test Contents: Complete the following tasks in the specified location: (please refer to the working drawing)

1. Choose the appropriate galvanized pipes and its associated fittings in accordance with the drawing.
2. With reference to the object on site, prepare portion A and B galvanized pipes with correct length.
3. Refer to the drawing requirement, conduct processing works for portion A and B galvanized pipes. Works includes threading, grooving, and connecting to the assigned fittings.
4. Install the sprinkler nozzle and its associated fittings correctly in accordance with the drawing.
5. Upon completion of the entire installation and connection, perform a 17-bar (kgf/cm²) hydraulic pressure test with 15 minutes holding time.

Requirements: 1. If the candidate cannot pass the water pressure test within the designated time period, the practical test will be marked as fail.

Duration: 3 hours

- Notes:
- (1) Candidate should read the test paper and notes for candidate carefully. Should you have any question, please ask an invigilator immediately.
 - (2) Candidate will be marked as fail if he/she does not carry out safety precaution during the test.
 - (3) After the test, clean up the venue and restore its original condition as instructed by the invigilators.
 - (4) Total score is 100. The minimum passing mark is 60.

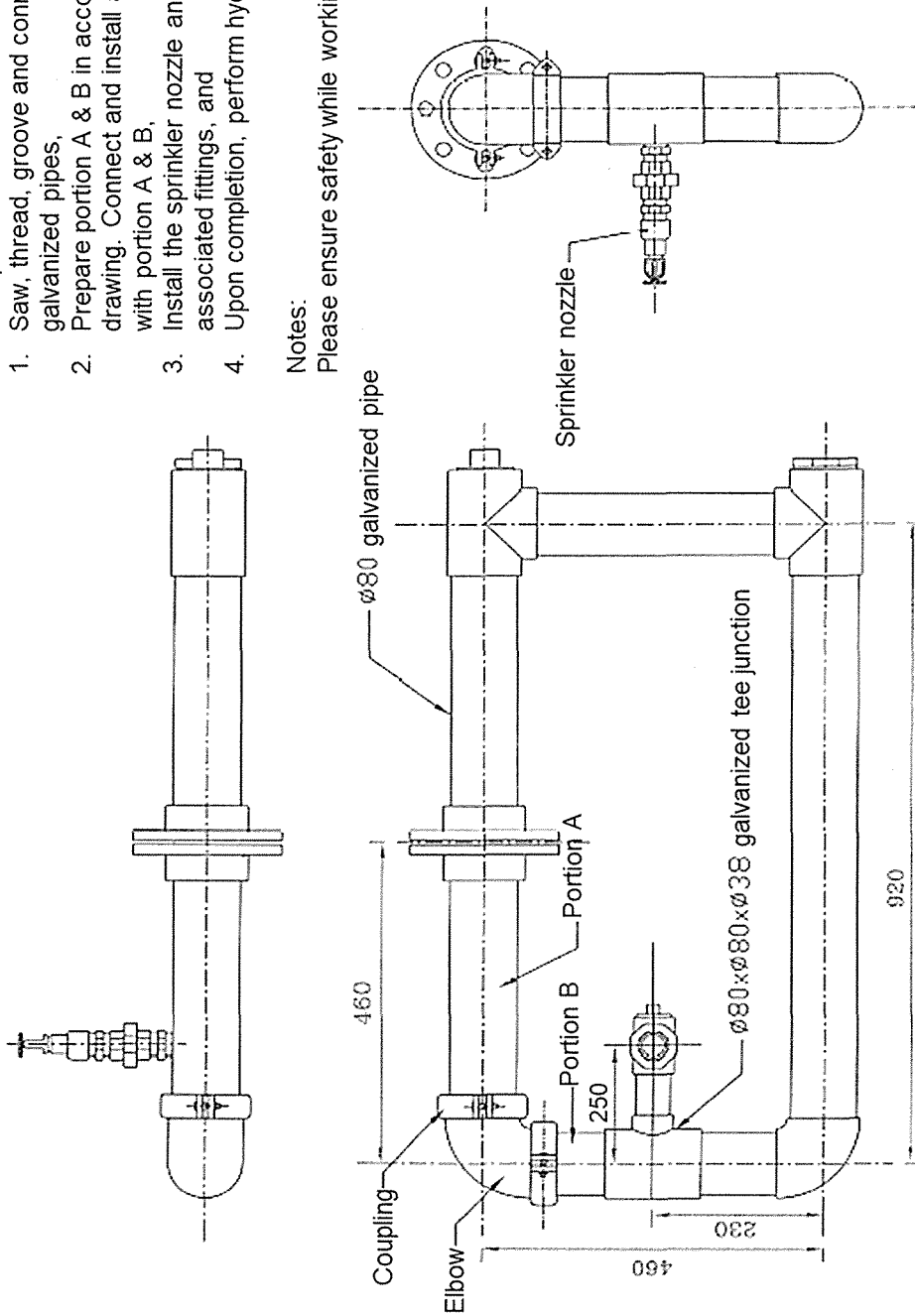
Drawing for Fire Service Mechanical Fitter (Intermediate) Practical Test

Work requirement:

1. Saw, thread, groove and connect the galvanized pipes,
2. Prepare portion A & B in accordance with the drawing. Connect and install associated fitting with portion A & B,
3. Install the sprinkler nozzle and connect it with associated fittings, and
4. Upon completion, perform hydrostatic test.

Notes:

Please ensure safety while working.



Notes to Candidates:

1. Candidates should read the test papers carefully and ask the invigilator for any queries.
2. Candidates should study the drawings and specifications attached to test papers, if any, before the test begins.
3. Candidates should carry out the test according to test papers, working drawings and specifications provided.
4. Candidates shall bring their own safety shoes, other safety equipment will be provided by trade testing centre. Candidates must take all necessary safety precautions to ensure work safety.
5. All tools and materials required by the test will be provided by trade testing centre, candidates should check and ensure their adequacy and quality. Candidates shall use the tools and materials properly based on trade practice. All the tools must be returned to trade testing centre after the test. The candidates may ask the invigilator for any problems.
6. Candidates are required to handle and move the tools and materials for use in the test, and to carry out associated works.
7. Invigilator will take record photos periodically during the test.
8. Candidates are not allowed to take any photo or video with cameras or mobile phones.
9. Candidates are not allowed to use their mobile phones during the trade tests, except for emergency situation.
10. The marking scheme is based on the following criteria :
 - a) Understanding of drawing and specification
 - b) Preparation works before commencement of test
 - c) Working procedures
 - d) Accuracy and quality of works
 - e) Progress of works
 - f) Proper handling and use of materials
 - g) Proper use of tools and equipment

- h) Safety precautions
- i) Considerate of other trades
- j) Housekeeping after completion of test

11. All candidates must stop when time is up.
12. Candidates are required to return the test paper to invigilator after the test.
13. Offering bribe to invigilator is an offence in law and trade testing centre will report to the ICAC for any such case.

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