



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Ground Investigation Operator Trade Test Mock Practical Test Paper

此文件關於岩土勘探工藝測試考題。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

Enquiries on this Material may be made to the Hong Kong Construction Industry Trade Testing Centre at:

95, Yue Kwong Road
Aberdeen
Hong Kong

Tel: (852) 2100 9000
Fax: (852) 2100 9090
Email: enquiry@cic.hk
Website: www.cic.hk

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Trade Test Paper

Trade test : Ground Investigation Operator

Classification : Tradesman

Practical Task : Carry out and complete the following assignments according to the specification and standard set out by Geotechnical Engineering Office.

- (1) Mobilize drilling machine to designated position.
- (2) Carry out standard penetration test.
- (3) Take sample and record of “Mazier” undisturbed sample, take core and record of boulders (if any) and bedrock.
- (4) Prepare daily site record.
- (5) Clean up tools and restore site condition including backfill borehole with sand/cement.

The above trade test assignments are suitable to both land and marine ground investigation. Invigilator may change or revise the sequence or pattern of work to cope with actual ground condition.

Duration : 7 hours including 1 hour lunch break

- Notes :
- (1) Trade test will be assessed as “Failed” if candidate does not conduct the task with necessary safety measures.
 - (2) Full mark of trade test is 100 and pass mark is 60.

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