



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Ground Investigation Operator Intermediate 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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Intermediate Trade Test Paper

Trade : Ground Investigation Operator

Grade : Semi-skilled worker

Test Content : According to the trade skill requirement to complete the following activities:

1. To execute the safety working measure.
2. To execute the proper checking to the plants, equipments and tools before the operation.
3. To Shift and set up the drill rig to the designated location (Shift distance about 1 meter).
4. To execute the preparation works before works commence.
5. Select the proper size and length of Casing to form a hole and then boring down into the soil stratum by Wash boring method until 5 meter depth or Bedrock Level.
6. When the proper Casing reached 2.50m and 5.00m depth, measuring the actual depth of hole and recording the data on the proper record sheet (Acceptant error is $\pm 50\text{mm}$).
7. Assemble and Disassemble the SPT(Standard penetration test) set and M101(Mazier sampler) set.
8. Refer to the rock texture, select a proper drill bit and assemble on rock core barrel to retrieve quality rock specimens.
9. Completed th ground investigation record sheets.
- 10 Backfilling the drillhole, Site clearing and tidying after works and . maintain the tools and equipments in good condition.

Duration : 3 Hours

- Notes :
- (1) Candidate should read the attached "Notes to Candidates" before commencement of work
 - (2) Candidate will be marked as fail if he / she does not carry out safety precautions during the test.

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