

Leveller

Intermediate Trade Test

Study Material for Written Test

(Version : ILV-SM-EN-01)



此文件關於平水工中級工藝測試技術知識測試 (筆試) 內容參考資料。
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Enquiries

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

Address: 95 Yue Kwong Road, Aberdeen, Hong Kong

Tel: (852) 2100 9000

Fax: (852) 2100 9090

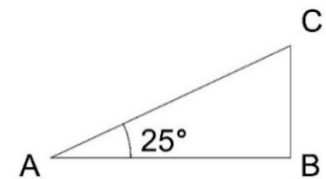
Email: hkcittc@cic.hk

Website: www.cic.hk

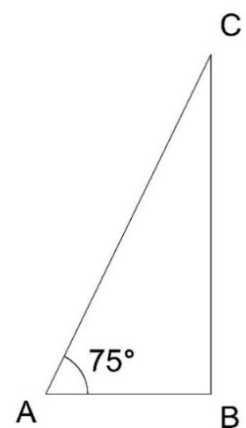
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This study material is a reference for candidate to prepare for attending written test in Intermediate Trade Test:

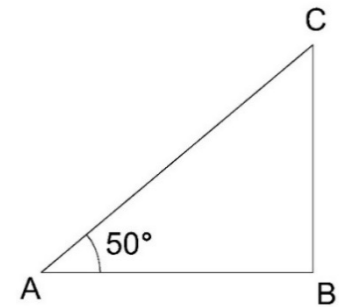
1. General building plan shows the building layout and dimensions.
2. The dimension shown in general building plans/drawings usually measured in millimetre (mm).
3. If an object is measured as 15mm on drawing, its actual length should be 1500mm if the drawing is presented in a scale of 1:100.
4. Benchmarks or level points are used to measure or calculate level.
5. For setting out on slab, dimension of the column could be found in the column schedule of structural drawing.
6. According to the diagram, if $\angle A$ and length AB are 25 o and 215mm respectively, then length BC should be equal to 100mm.



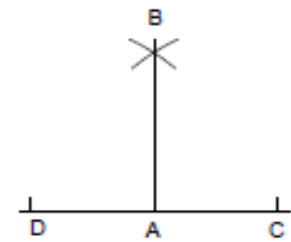
7. Refer to the diagram, if $\angle A$ and length BC are 75 o and 450mm respectively, then length AC should be equal to 466mm.



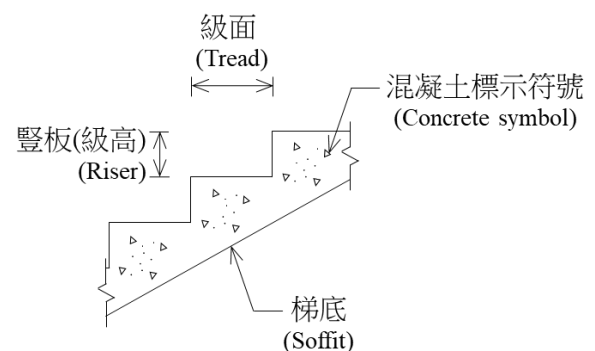
8. Refer to the diagram, if $\angle A$ and length AC are 50 o and 400mm respectively, then length AB should be equal to 257mm.



9. To set out a right angle from a point to a line on site, i.e. from point B to line CD, the point at right angle will be located at point A where it divided AD and AC in equal distance.



10. According to the Building (Planning) Regulations, the main staircase of every building which exceeds 1 storey in height should be constructed with risers, i.e. step height, not exceeding 175mm in height.
11. Levelling staff is commonly used with automatic level during levelling.
12. In practice, the set-up height of the levelling equipment, i.e. automatic level, is usually at the eye level of surveyor.
13. When cutting slope, slope rail is usually set up at the top of the slope.
14. Diagram shows the common terms and material symbol in the staircase.



15. The battery of the total station should be charged as soon as possible if it is about to be exhausted.
16. In best practice, total station should be put back into protective case after works complete in order to protect the equipment.
17. According to Construction Sites (Safety) Regulations, every person should wear a suitable safety helmet when entering construction site.
18. The major purpose of “Site Safety Talks” is to instil safety knowledge into workers regularly.

Precautions

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