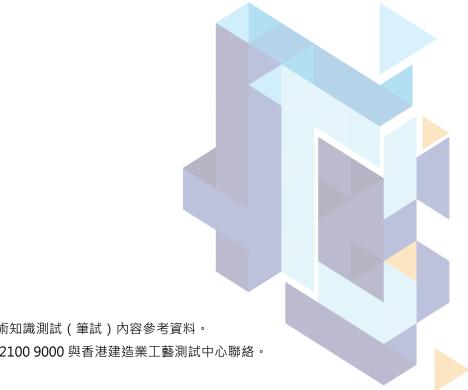


HONG KONG CONSTRUCTION INDUSTRY TRADE TESTING CENTRE 香港建造業工藝測試中心

Concretor Intermediate Trade Test Study Material for Written Test

(Version: ICN-SM-EN-02)



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

- 1. Concrete is measured in volume, i.e. cubic metre, m³.
- 2. The purpose of tamping concrete is to compact the concrete to make it more dense and better strength.
- 3. Tamping concrete is to eliminate air bubbles trapped inside concrete.
- 4. Poker vibrator should be inserted vertically into the concrete.
- 5. Poker vibrator should be inserted into the concrete as quickly as possible and slowly withdrawn from concrete.
- 6. One of the major reasons that cause honeycombing inside concrete elements is inadequate compacting of concrete.
- 7. The purpose of completely wetting the formwork is to prevent water inside fresh concrete being absorbed by wooden formwork.
- 8. Before concreting with pump truck, the tightness of hose clamp of the whole concrete conveying/pump pipe should be checked.
- 9. The tool to prepare rough brushed concrete surface is iron broom.
- 10. Adding retarding admixture into concrete is to delay the setting time of concrete.
- 11. The size of the test cube for testing of compressive strength of concrete should be 150mm x 150mm x 150mm.
- 12. In curing concrete carriageway, concrete surface should be covered with hessian and kept constantly wet, i.e. generally, spraying water by two to three times per day.
- 13. The tool to connect the concrete conveying/pump pipe should be metallic hose clamp.

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14. The name of the tool shown in the picture is poker vibrator.



- 15. The width of any working platform should not be less than 400mm.
- 16. The advantages of doing warm-up exercise before lifting and handling heavy objects are helping the muscles and the cardiovascular system to get ready and avoiding getting hurt.
- 17. The height of top guardrails should be installed between 900mm 1150mm above the platform of scaffolding.
- 18. According to the ordinance, worker should hold valid certificate of Mandatory Basic Safety Training Course for Construction Industry (commonly known as "Green/Safety Card") when entering the construction site.
- 19. If corruption happened in construction industry, it may affect the quality of works.
- 20. According to "Prevention of Bribery Ordinance", there is no minimum value or threshold for an advantage to 'qualify' as a bribe.

<u>Precautions</u>

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