



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Piling Operator (Bored Pile) Intermediate Trade Test Mock Oral Test Paper

此文件關於打樁中工(鑽孔樁)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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Piling Operator (Bored Pile) Intermediate Trade Test Question

【Part A (Oral Test) Question】

Candidate's Name (Chinese) : _____

Candidate No. : _____

HK ID Card No. : _____

Test Date : _____ Y _____ M _____ D

Piling Operator (Bored Pile)
Intermediate Trade Test

1. What should be observed during the foundation laying (種底) process? (4 marks)
2. When driving large diameter bored pile, can the pile shaft be driven to the required depth and level in one go and there is no need to repeatedly check whether the position is accurate? Please briefly state the reason. (2 marks)
3. What type of machinery and tool should be used with the vibration hammer to complete the whole process for the pile? (8 marks)
4. Why must the pile shaft be lifted during concrete casting or when it is just completed? (2 marks)
5. What is taking the initial sample? (2 marks)
6. When large diameter bored pile work is required to be carried out on the site, what preparation work should be done before excavation by the machinery? (2 marks)
7. Why the number of concrete mixer cannot be used to estimate the level of concrete inside the pile? (2 Marks)
8. How do you identify the differences between the reinforcement cage at the bottom of the large diameter bored pile (bottom cage) and general joint-required reinforcement cage (需接駁鋼筋籠)? (2 marks)
9. Please briefly state the different operating methods between vibrating vice (震鉗) and oscillator. (3 marks)
10. Under what circumstances must the reinforcement cage be cleaned up? (2 marks)
11. After the surveyor completed setting out process (放線工序), how do you fix the position and check the median and verticality of the bottom shaft? (3 marks)
12. When sub-standard concrete is encountered during casting of large diameter bored pile, how do you handle it and maintain continuity of the casting? (2 marks)
13. How do you prevent clamping (夾死) of the shaft? (4 marks)
14. What method can be used to examine the quality and depth of concrete in the pile after completion of concrete casting in the bored pile? (2 marks)
15. Please explain in details the process of how a RCD (Reverse Circulation Drill)

complete a large diameter bored pile. (7 marks)

16. What are the requirements in the specification of the main bar at the jointing position when jointing the reinforcement cage? (2 marks)
17. Please state briefly the jointing process of the joint-required reinforcement cage (需接駁的鋼筋籠) inside the bored pile. (4 marks)
18. What examination method can be used to find out that the silt and sediment inside the pile shaft are completely cleaned up? (2 marks)
19. Here are 3 bags of substances grabbed from the bored pile. Please identify and explain what types of substances they are. (3 marks)
20. Please give a brief account of the structure of the enlargement head (擴大器) of the bored pile. (2 marks)

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