



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Piling Operative (Percussive Pile) Skilled Trade Test Mock Oral Test Paper

此文件關於打樁大工（撞擊式樁）工藝測試考題。如有需要索取此文件的中文版本，請致電 2100 9232 與工藝測試中心聯絡。

Disclaimer

No part of this material may be reproduced or transmitted in any form or any means without the written permission of the CIC. Whilst reasonable efforts have been made to ensure the accuracy of the information contained in this material, the CIC nevertheless would encourage readers to seek appropriate independent advice from their professional advisers where possible and readers should not treat or rely on this material as a substitute for such professional advice for taking any relevant actions.

Enquiries

Enquiries on this Material may be made to the Trade Test Centre at:

95, Yue Kwong Road
Aberdeen
Hong Kong

Tel: (852) 2100 9232
Fax: (852) 2100 9249
Email: enquiry@cic.hk
Website: www.cic.hk

Construction Industry Council

Piling Operative (Percussive Pile) Trade Test Question

【Part A (Oral Test) Question】

Candidate's Name (Chinese): _____

Candidate No. : _____

HK ID No. : _____

Test Date : _____Y_____M_____D

Part A : Total 20 questions (time limit: 40 minutes)

Piling Operative (Percussive Pile) Trade Test

1. Please state the function of the vibration hammer. (1 mark)
2. What is the function of the leader (導架) in H-pile piling machine? (3 marks)
3. Can piling continue if the pile direction deviates during the piling process? (5 marks)
4. Please briefly state the procedure for final set. (3 marks)
5. How do you maintain verticality or correct inclination of the H-pile, and how do you handle when there is deviation? (4 marks)
6. Please briefly state the procedure for jacking pile (壓樁). (3 marks)
7. Briefly state how to judge the H-pile has reached the rock stratum or the designed depth. (2 marks)
8. What advance investigation must be conducted before piling work starts to ensure the piling process is safely and smoothly conducted? (3 marks)
9. Is there any time limit in driving H-piles? (2 marks)
10. What inspection should be carried out before operating the vibration hammer? (3 marks)
11. Try listing common hammers and briefly state their differences. (3 marks)
12. How do you conduct inspection if the driving speed of the hydraulic hammer suddenly slows down and what is the reason for the problem to occur more often? Try listing a few. (3 marks)
13. Why must pile caps be set up during piling? (2 marks)
14. How should H-piles be stored on the site? (3 marks)

15. Why are the lengths and dimensions on the pile subdivided? (3 marks)
16. Please briefly state the operation of diesel type hammer. (3 marks)
17. The hammers for driving H-piles have lighter weight (about 6-7 tons) and heavier (over 12 tons) ones. How do you effectively use them? (2 marks)
18. Please list the basic components of crawler-mounted piling machine. (3 marks)
19. Please list the solutions if the H-pile encounters loose rocks. (6 marks)
20. What measure should be taken when conducting piling work on grounds with soft soil to ensure that the piling machine works stably? (3 marks)

- End of Paper -