



CONSTRUCTION  
INDUSTRY COUNCIL  
建造業議會

# **Piling Operator (Percussive Pile) Intermediate Trade Test Mock Written Test Paper**

此文件關於打樁中工（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 9000 與香港建造業工藝測試中心聯絡。

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**Construction Industry Council**  
**Piling Operator (Percussive Pile) Intermediate Trade Test Question**  
**【 Part B (Multiple Choice) Question 】**

Candidate's Name (Chinese): \_\_\_\_\_

Candidate No. : \_\_\_\_\_

HK ID No. : \_\_\_\_\_

Test Date : \_\_\_\_\_Y\_\_\_\_\_M\_\_\_\_\_D

Time Limit : 20 minutes

Multiple Choice Questions: Total 10 questions, 4 marks each

Notes to Candidates:

Please tick in the box next to the most suitable answer of the question ().

1. What must be noted when setting up the machine?
  - (a) Should coordinate with other machine sets to avoid collision and that the ground is stable and safe
  - (b) Should coordinate with other machine sets to avoid blocking fire escape
  - (c) Should coordinate with other machine sets to avoid blocking material transportation
  - (d) Should coordinate with other departments to avoid blocking pedestrian passageway
  
2. What are the specifications of man cage (吊人籠)?
  - (a) Man cage (吊人籠) must have sufficient guard rails which can provide protection in case of falling
  - (b) Man cage (吊人籠) must be inspected by a competent person and a certificate with the valid date be posted on the cage
  - (c) Man cage (吊人籠) must have extra space to carry other tools and equipment
  - (d) Must be inspected by the safety supervisor each day before use
  
3. Please briefly state what procedure should be taken after joining of H-piles before driving can continue?
  - (a) The piles have to pass various tests conducted by a competent welding inspector authorized by the engineer before use
  - (b) The piles have to be painted with a layer of protective paint by a competent person authorized by the engineer before use
  - (c) The piles have to be registered and the time recorded by a person authorized by the engineer before use
  - (d) The piles have to pass the inspection conducted by the engineer and the safety officer before use
  
4. What condition has to be reached before driving of H-piles can be regarded as complete?
  - (a) To be decided by the piling worker
  - (b) Evenly distribute the H-piles on the site and use them up
  - (c) When the depth required by the contract is reached and the H-pile encounters resistance with the noise becoming mute
  - (d) In general, the H-pile has to be driven to the designed depth or has reached the rock stratum and has to comply with the final set schedule on the approved plan, and pass the inspection conducted by the engineer

5. Suppose there are two H-piles on the site with the first two pairs of figures are the same but the last pair of figures is different, e.g. the figures on the first pile is 305 x 305 x 180, that on the second pile is 305 x 305 x 223. How do you identify their differences?
- (a) They are manufactured in different countries
  - (b) The two set of figures are different for ease of project recording
  - (c) The sizes of the two H-piles are basically the same but the weights are different. The second pile with the larger figure is heavier and has thicker material
  - (d) The sizes of the two H-piles are basically the same with the same weight. The difference is that they are manufactured on different dates
6. Which of the following is the height range of guard rails for working platform?
- (a) 400 to 550 mm
  - (b) 600 to 850 mm
  - (c) 900 to 1150 mm
  - (d) 1200 to 1450 mm
7. Why workers should not wear cotton gloves when operating machines with rotating parts?
- (a) Cotton gloves will absorb oil
  - (b) Cotton gloves will be damaged
  - (c) Cotton gloves will be entangled in the rotating parts of the machine
  - (d) Cotton gloves will easily cause skin allergy
8. What should first be worn when using abrasive wheel cutting machine to cut metal?
- (a) Cotton gloves
  - (b) Protective goggles
  - (c) Wellington boots
  - (d) Peaked cloth cap
9. The hand signal given by the person in the diagram during crane operation is:
- (a) Stop everything
  - (b) Emergency stop
  - (c) Travel
  - (d) Raise boom

10. The hand signal given by the person in the diagram during crane operation is:
- (a) Use auxiliary hoist鉤
  - (b) Reject the load
  - (c) Can put down the load forcefully
  - (d) Load is fragile