



CONSTRUCTION  
INDUSTRY COUNCIL  
建造業議會

# **Piling Operator (Bored Pile) Intermediate Trade Test Mock Written 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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**Construction Industry Council**  
**Piling Operator (Bored Pile) Intermediate Trade Test Question**  
**【 Part B (Multiple Choice) Questions 】**

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

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

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

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

Time Limit : 20 minutes

Multiple Choice Questions: Total of 10 questions, 4 marks each

**Piling Operator (Bored Pile)**  
**Intermediate Trade Test**

1. Please select the correct composition of machineries for a set of large diameter bored pile machine:
  - (a) Crane, vibration vice, hammer grab, oscillator
  - (b) Reverse circulation drill (RCD), enlargement head (Bell-out, Reamer)
  - (c) Ram (chisel), shaft, flushing tremie pipe (吹水導管) and air compressor
  - (d) All of the above
  
2. What should be done when, after oscillating 3 shafts, the pile shaft is found to be skewed?
  - (a) Extract all pile shafts and replace all of them
  - (b) Immediately inform the superior to revise the depth of the pile
  - (c) No need to inform others to avoid waste of time and causing trouble
  - (d) Immediately inform the superior. Start all over again if the skew exceeds the tolerance
  
3. Why is water injected when the pile shaft penetrates through a certain depth of the stratum?
  - (a) To facilitate extraction of pile shaft after completion
  - (b) To clean the pile shaft and facilitate inspection of the depth
  - (c) To wash away the soil, clean the pile shaft and keep good looking
  - (d) To off set the pressure of surrounding soil, else the pile shaft will deform
  
4. What is the consequence of clamping the shaft (夾死通)?
  - (a) The reinforcement cage cannot be put inside the pile shaft
  - (b) Cannot retrieve the RCD drill bit
  - (c) The pile shaft is buried underground making the foundation more stable
  - (d) Burying the pile shaft underground will waste material and increase the cost, but the most serious consequence is that no other location can substitute on design
  
5. What is the purpose of flushing (吹水)?
  - (a) The pile shaft can be extracted easily
  - (b) To prevent the pile shaft from absorbing the moisture in the concrete
  - (c) To prevent miscellaneous articles, soil and stones from coming in between the concrete and rock surface at the bottom of the pile
  - (d) To prevent the concrete from setting too early during casting

6. The validity of the certificate of wires for lifting is:
- (a) 1 month
  - (b) 3 months
  - (c) 6 months
  - (d) 9 months
7. The major purpose of “site safety talks” is:
- (a) To provide refreshment to entertain the workers
  - (b) A routine to make up the working hours
  - (c) To report and discuss work progress
  - (d) To regularly inculcate safety knowledge into workers
8. Which of the following is the height range of guard rails on working platforms?
- (a) 600 to 850 mm
  - (b) 900 to 1150 mm
  - (c) 1200 to 1450 mm
  - (d) 400 to 550 mm
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) Beware of object below
  - (b) Lower boom slowly
  - (c) Put hoist on the ground
  - (d) Put hoist on the load