



CONSTRUCTION  
INDUSTRY COUNCIL  
建造業議會

# Ground Investigation Operator Trade Test Mock Written Test Paper

此文件關於岩土勘探工藝測試考題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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1. The drill getting from the drilled hole is \_\_\_\_\_.
  - A. U70
  - B. Hoisting Plugs
  - C. U100
  - D. Core Barrel Head coupling
  
2. Which category does the size of casing with 89mm ( 3 1/2" ) diameter belongs to?
  - A. HW
  - B. PW
  - C. NW
  - D. SW
  
3. The length of the plastic tube that can be placed in the MAZIER is \_\_\_\_\_.
  - A. 1.0M
  - B. 0.9M
  - C. 1.1M
  - D. 1.2M
  
4. The reason why the litmus extraction of double-layer core barrel is more completed than single-layer core barrel is that \_\_\_\_\_.
  - A. The bearing and inner tube could protect the rock core
  - B. It has diamond Reaming Shells
  - C. There is water channel
  - D. There are different drill bits
  
5. The height per pump (standard) of SPT auto hammer is \_\_\_\_\_.
  - A. 700mm
  - B. 730mm
  - C. 760mm
  - D. 980mm

6. Please state the function of the slingshot inside the Mazier \_\_\_\_\_.
  - A. Protect the inner tube of Mazier
  - B. Easier to clean with water
  - C. Protect the Bit of Mazier from abrasion
  - D. Possess flexibility to adapt to geological changes
  
7. The long plug of Mazier is suitable for \_\_\_\_\_.
  - A. Drill and extract stiff mud
  - B. Drill and extract weathered stone
  - C. Drill and extract ooze
  - D. Drill into head rock
  
8. What is the length of a 1.50M double layer core pipe (with core bit)?
  - A. Around 1.75m
  - B. Around 1.95m
  - C. Around 2.20m
  - D. Around 2.15m
  
9. What is the function of the pressurized water-holes of a triple core barrel?
  - A. Pressurize the rock out from the drilling inner tube
  - B. Pressurize water to flush rock fines
  - C. Pressurize water to cool the reaming bit
  - D. To reduce the pressure inside the tube by ventilation
  
10. What is the function of the core lifter in the case of the double core barrel ?
  - A. To facilitate Smoother flushing
  - B. To stabilize the inner tube
  - C. To lock the core tightly to disable the exit outside of core barrel
  - D. To keep the inner tube vertical

11. While extracting mud with PISTON SAMPLER, where will the air and water inside the mud tube come out from?
- A. Piston
  - B. The connecting rod of piston sampler
  - C. Sample tube of Piston sampler
  - D. Relief hole
12. Drilling and extracting mud sample with Mazier requires a suitable amount of flushing water. If the drill holes does not return water, what is the appropriate indicator for determining the amount of flushing water?
- A. Size of hydraulic throttle valve
  - B. Hydraulic gauge changes
  - C. Size of gate valve
  - D. The maximum amount of flushing water
13. When using a diamond drill bit to extract the core from grade 1 rock, how should the R.P.M and pushing force be to achieve an optimal drilling speed?
- A. High R.P.M. and low pushing force
  - B. Low R.P.M. and high pushing force
  - C. High R.P.M. and pushing force
  - D. No restriction
14. What is the suggested distance between a drill rod and a rig head:
- A. Around 0.85m
  - B. Around 3.0m
  - C. Around 1.5m
  - D. Around 4.0m
15. Which of the following explains why workers cannot wear a pair of cotton gloves when operating a machine with revolving parts?
- A. Cotton gloves will absorb oil
  - B. Cotton gloves will be damaged
  - C. It is easy for cotton gloves to cause skin allergy
  - D. Cotton gloves will be entangled in the revolving parts

16. When workers lift and handle heavy objects, which of the following parts will be likely to get hurt if their lifting posture is incorrect?
- A. The waist
  - B. The neck
  - C. Calf
  - D. Arm
17. What should be worn when working under noisy environment?
- A. Safety goggles
  - B. Ear protectors
  - C. A safety harness
  - D. Safety shoes
18. In accordance with the Prevention of Bribery Ordinance, what is the minimum amount of "advantage"?
- A. \$100
  - B. \$500
  - C. \$1000
  - D. No amount limit
19. Before the ground investigation starts, the working platform must be inspected as a matter of routine by a licensed supervisor and the form filled with the time recorded. The routine inspection should be carries out \_\_\_\_\_.
- A. Every 12 days
  - B. Every 14 days
  - C. Every week
  - D. Every month
20. The expiry date of Certificate of Test and Thorough Examinations of Chains, Ropes and Lifting Gear (Form 6/7) is \_\_\_\_\_.
- A. 1 month
  - B. 3 months
  - C. 6 months
  - D. 12 months