

Ground Investigation Operator Intermediate Trade Test Study Material for Written Test

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This study material is a reference for candidate to prepare for attending written test in Intermediate Trade Test:

1. Hoisting plug connects the drill rods and rig for lifting the drill bit from drill hole.
2. Casing with outer diameter size of 89mm (3 ½") is classified as NW category.
3. The standard drop height of automatic trip release hammer is 760mm.
4. The function of installing a plastic pipe to Mazier is to collect mud sample.
5. The length of a 1.5m double layer core pipe with core bit is around 1.95m.
6. For triple core barrel, cored samples retained in split inner tube can be separated from middle tube by hydraulic method.
7. To collect intact good sample of completely decomposed soil, Mazier is a suitable extracting tool.
8. The good way for the sampler to seal with the wax is to apply several layers of molten wax until the required thickness is met.
9. The soil sampling tube needs to be preserved by wax sealing. The suitable temperature of liquid wax is heat until the wax starts melting.
10. The suggested distance between a drill rod and a rig head is around 1.5m.
11. When drilling into rock strata with a core barrel, sufficient water should be provided otherwise the drill bit will be burnt.
12. During ground investigation, the depth of mud sampling can be determined by casing.
13. The short core barrel is applied when reach rocks within 1m underground during exploration.
14. If SPT is required at 10M level, the casing tube should go till 10.0m
15. According to Factories and Industrial Undertakings Ordinance, every person carrying out construction work should hold valid certificate of Mandatory Basic Safety Training Course for Construction Industry, also known as Green Card.
16. According to Construction Sites (Safety) Regulations, no person should enter a construction site unless he/she is wearing a suitable safety helmet.

17. The top guard-rails of working platform should be ranged from 900 to 1150mm in height.
18. When working at height, the rope anchorage and vertical independent lifelines should be hung at a higher position and used at a lower position.
19. There is no minimum value or threshold for an advantage to 'qualify' as a bribe.
20. According to Prevention of Bribery Ordinance, the definition of "advantage" means any gift, loan and/or any other service.

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