

# Electrical Wireman Trade Test Written Test Mock Paper

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## Electrical Wireman Trade Test Written Test Mock Paper

1. What was the phase sequence in power supply system in Hong Kong before 1 July 2009?
  - a. Red, Yellow, Blue, Black
  - b. Red, Blue, Yellow, Black
  - c. Yellow, Red, Blue, Black
  - d. Blue, Yellow, Red, Black
2. For a 13A socket outlet radial circuit adopting conductor of 4mm<sup>2</sup>, it provides a maximum power supply for floor areas of \_\_\_\_\_ m<sup>2</sup>.
  - a. 200
  - b. 100
  - c. 30
  - d. 50
3. Which of the following is the reason why a construction site worker must wear a safety helmet?
  - a. To withstand the sun
  - b. To identify different types of work
  - c. To withstand wind and rain
  - d. To protect one's head to avoid injuries. It is also a statutory requirement.
4. The bend on a plastic conduit should be smooth. What should be used to bend it?
  - a. With a metal pipe
  - b. With a spring
  - c. With hands
  - d. With a tube bender
5. When the riser passes through different floors, the position where it passes through must:
  - a. Be installed with fire-resistant device
  - b. Have a warning notice affixed
  - c. Have suitable cooling space
  - d. Be installed with an expansion unit
6. A certain armoured cable is printed with the wording "600/1000V". What does the 600V mean?
  - a. The amount of voltage that can be withstood between the neutral and the earth wire
  - b. The amount of voltage that can be withstood between the phase and the neutral wire
  - c. The amount of voltage that can be withstood between the line conductors
  - d. The amount of voltage that can be withstood between the phase and the earth wire
7. The largest permissible voltage drop of circuit terminals is:
  - a. 4%
  - b. 2%
  - c. 2.5%
  - d. 6%
8. "No sheathing cable" can only be:
  - a. Hidden in heat-proof material
  - b. Laid on cable trays or cable ladders
  - c. Used in mount installations
  - d. Used in conduits or trunkings

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9. Concealed conduits in floors should be installed \_\_\_\_\_, not more than two layers each.
- Under bottom layer or above top layer of rebar
  - Above top layer of rebar
  - Under bottom layer of rebar
  - Between top and bottom layer of rebar
10. For where PVC concealed conduit system is applied, what is the minimum thickness (in mm) of concrete, cement or plaster cover for all conduits installed and concealed inside floor slab, wall or partition for cable wiring?
- 60mm
  - 10mm
  - 5mm
  - 30mm
11. What is the minimum square millimeter (mm<sup>2</sup>) copper conductor size of the "single sheathing cable" installed in the conduit?
- 1
  - 1.5
  - 2.5
  - 4
12. Which kind of cable is not applicable to be installed surface wiring?
- Mineral insulated copper clad cable
  - Armoured cable
  - Double insulated PVC cable
  - Single insulated PVC cable
13. The general voltage of the high-voltage power supply ("power distribution") of sub stations ("transformer rooms") in Hong Kong is:
- 11kV
  - 6.6 kV
  - 3.3 kV
  - 1.1 kV
14. What is the new phase sequence in all newly fixed electrical installations from 1 July 2009 onwards?
- Grey, Black, Brown, Blue
  - Brown, Grey, Blue, Black
  - Brown, Blue, Black, Grey
  - Brown, Black, Grey, Blue
15. What is the earthing system currently in use in Hong Kong?
- T-T
  - TN-S
  - TN-C
  - TN-C-S
16. How many current-carrying miniature circuit breakers (MCB) should be used to protect the 13A socket outlet ring circuit?
- 45A
  - 20A
  - 16A
  - 30A

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17. What is the minimum amount of "interest" as stated in Prevention of Bribery Ordinance?
- \$100
  - \$200
  - \$500
  - No limited amount
18. A person should be serious at work and should uphold work ethics, including:
- Appropriation of other's property
  - Craving for personal interest and neglecting the damages dealt to others
  - Accepting money and other advantages
  - Integrity, be honest and responsible, keep moral principles. Never corrupt and accept illegal advantage.
19. When lifting heavy objects, which of the following methods is correct?
- Correct posture should be used. Workers should remain upright in their back.
  - Ask for a heavier load each time to hasten the process
  - Throw the object to higher places to strengthen the body
  - Hasten the speed of work suddenly
20. What may happen if working under hot and humid environments for a long period?
- Heat stroke
  - Temporary blindness
  - Hunger
  - Anaemia

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