

Trade Test (Intermediate Trade Tests) for Plumber

Reference Material for Intermediate Trade Test (Written)

(Issued on 1st December 2019)

Disclaimer

No part of this material may be reproduced or transmitted in any form or any means without the written permission of the Construction Industrial Council (CIC). Whilst reasonable efforts have been made to ensure the accuracy of the information contained in this material, the CIC nevertheless would encourage readers to seek appropriate independent advice from their professional advisers where possible and readers should not treat or rely on this material as a substitute for such professional advice for taking any relevant actions.

Reference material to prepare for written test

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

1. During pressure test to test for water leakage, it is necessary to allow gas exhaust from pipes when injecting water into pipes, check whether the draft line moves downward during pressurisation and make sure the test pressure satisfy the construction requirement.
2. The label “C/C” shown on the drawing stands for centre to centre distance of the pipes.
3. According to the Waterworks Regulations, provisions must be made for a drain-off pipe to enable the cistern to be emptied.
4. To tighten flanges, it should be tighten gradually in diagonal angles.
5. Plastic and cast iron pipes are the most suitable pipes for foul drain

such as fecal.

6. The main reason of leakage at the welded part of copper pipes are the pipes melted for too long time and the melting temperature is too high.
7. Pipes made of copper is the most suitable pipes for hot water system.
8. To distinguish copper gate valve and loose jumper type stopcock (stop valve) by appearance, loose jumper type stopcock has water flow direction mark and an adjustable switch handle.
9. Where pipes pass through the slab or wall, pipe sleeve shall be provided with uniform annular clearance of 2 - 12mm to the pipe in order to allow expansion and movement of pipe.
10. The internal diameter of flushing pipes shall in the case of watercloset fittings, trough watercloset and slop sinks, be not less than 32mm.
11. The internal diameter of every anti-siphonage pipe shall, if the diameter of the soil pipe or waster pipe to which it is connected is 80mm or more, be not less than 50mm.
12. Flushing cistern shall, discharge to the watercloset fitment of slop sink, on each occasion such fitment is used, not less than 7.5L of water.
13. To ensure safety, worker should wear proper Personal Protective Equipment (PPE) including safety helmet and protective goggles when using hand-held hammer and steel chisel to open up/drilling holes on wall.
14. The symbol “回” showed on hand-held electrical tools means it is double insulated and no earthing is needed.
15. According to the "Construction Sites (Safety) Regulations", safety

helmet shall be worn when entering a construction site.

16. According to the Waterworks Ordinance (WWO), water samples from new fresh water supply system should test for lead concentration.
17. According to Hong Kong Waterworks Standard Requirements for Plumbing Installation in Buildings, loose jumper type stopcock and gate valves/non-return valve shall be provided before meter positions.
18. If the electrical tool is malfunction, worker should stop operating the tool and report to the supervisor to arrange for repairing.
19. Safety harness should be worn when working at height. The proper way to wear the safety harness is to attach the snaphook at higher level than user's waist.
20. The minimum width of the working platform for a double-layered scaffold is 400mm.