



# Plumber Skilled Trade Test Mock Written Test Paper

此文件關於水喉大工工藝測試考題。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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## **Enquiries**

Enquiries on this Material may be made to the Hong Kong Construction Industry Trade Testing Centre at:

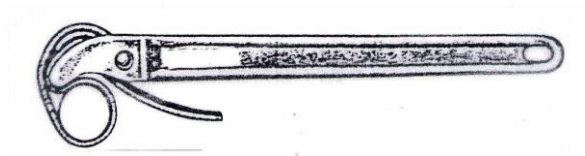
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## **Tools and equipment**

1. What are the main functions of a threading machine?
  - (A) Cutting, threading & reaming
  - (b) Threading, lubricating & reaming
  - (c) Cutting & roll grooving
  - (d) Threading, roll grooving & pipes assembling
  
2. The main purpose of plumb bob is to check the pipelines.
  - (A) Verticality
  - (b) Inclination
  - (c) Fall
  - (d) Curvature
  
3. Identify the name and use of the following tools?



- (a) Wire ferrule crumple, end loading wire tool
- (b) Calipers for the outside diameter
- (c) Strap wrench
- (d) Pipe cutter (steel iron pipe cutter)

## **Knowledge of materials and assessories**

4. What is the most suitable pipes for hot water system?
  - (A) Copper
  - (b) Cast iron
  - (c) Plastic
  - (d) Galvanised iron

5. Which is sealant material use for lined galvanised iron pipe connection?
- (a) Hemp, putty
  - (b) Steam (PTFE) tape
  - (c) Specified seating compound
  - (d) Resin, soldering tin wire
6. What is the minimum diameter in mm of the flushing pipe of a water closet?
- (a) 25
  - (B) 32
  - (c) 40
  - (d) 50

**Standard requirements**

7. The testing pressure in related with working pressure is?
- (a) 100%
  - (B) 150%
  - (c) 200%
  - (d) 250%
8. What is the minimum size in mm of warning pipe for water tank?
- (A) 25
  - (b) 32
  - (c) 40
  - (d) 50

9. For the inlet of central heating water storage system, what is the standard installation in the outlet from the sum tank?
- (A) Heater inlet is higher than cold water feed pipes
  - (b) Heater inlet is lower than cold water feed pipes
  - (c) Heater inlet and cold water feed pipes are at same level
  - (d) All are acceptable

**Interpretation of drawing / specification**

10. Which of the following symbol represents a non-return valve?

(a)



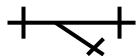
(B)



(c)

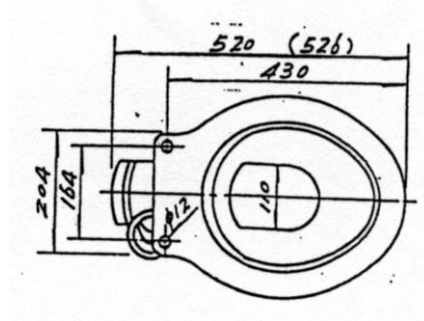


(d)



11. The following sketch is shown in mm. What is the dimension of the toilet cover screws?

- (a) 112
- (B) 164
- (c) 204
- (d) 430



### Measurement and Calculation

12. A 20-storey building, the height from the bottom of roof water tank to ground floor is 70 meters. What is the static pressure in  $\text{kg/cm}^2$  of the lowest down feed pipe from the roof to ground floor outlet?

- (A) 7
- (b) 8
- (c) 9
- (d) 10

13. If the flow rate of a draw-off-point is 4.5 l/s, how many minutes will it take to fill up a 4500 litres water tank?

- (a) 14
- (B) 17
- (c) 20
- (d) 23

### **Craftmanship**

14. For maintenance purpose. What is the type of fittings used in an re-connection of a straight pipeline?
- (a) Pipe – Cap – Plug
  - (b) Tee
  - (c) Long nipple with socket and lock nut
  - (d) Reducer
15. Which of the following methods are not used in bending plastic pipes?
- (a) Heating blower
  - (b) Pipe fittings
  - (c) Blow burner
  - (D) Hydraulic pressure bender
16. Which of the following welding method is in the order from high to low temperature?
- (a) Bronze welding, soft solders, sliver solders
  - (b) Sliver solders, soft solders, bronze welding
  - (c) Soft solders, sliver solders, bronze welding
  - (D) Bronze welding, sliver solders, soft solders

### **Safety Precautions**

17. Working at which level is defined as working in height?
- (a) 1 m or more
  - (B) 2 m or more
  - (c) 3 m or more
  - (d) 4 m or more

18. In case of fire, where do people get water for fire fighting?
- (a) Fire hydrant
  - (B) Hose reel
  - (c) Fire inlet
  - (d) Fire sprinkler
19. What is the most effective method of extinguishing a fire?
- (a) Clear access, adequate ventilation
  - (b) No smoking, safety use of electricity
  - (c) Isolation of oxygen, cooling, removal of fuel
  - (d) No welding, no fire

**Others**

20. What is the main purpose of using loose jumper type valve or non-return valve at the water meter position?
- (A) Back wash pollution prevention
  - (b) Exceeded water head deduction
  - (c) Flow rate deduction
  - (d) Water hammer prevention