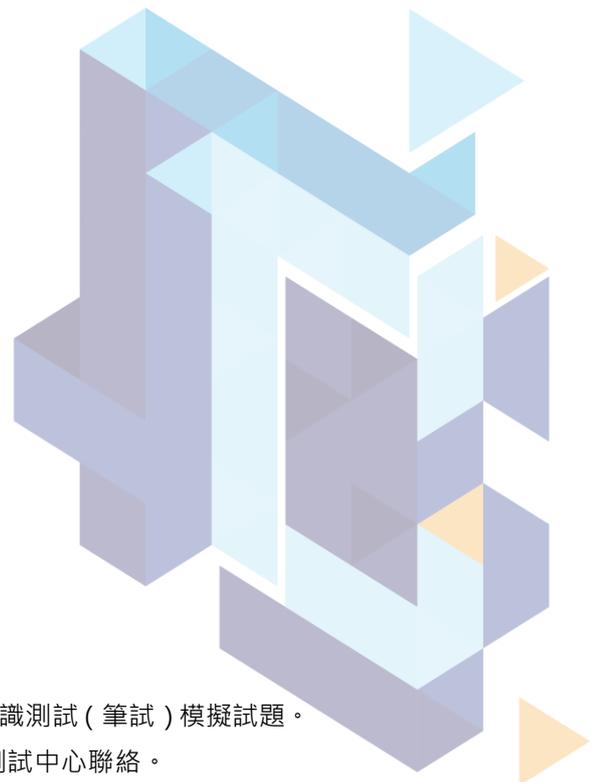


Refrigeration/ Air-conditioning/ Ventilation Mechanic (Unitary System) Trade Test Written Test Mock Paper

(Version : EAU-WM-EN-01)



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1. During maintenance of oxygen bottle, rubbing with oil will:
 - a. Cause explosion of bottle
 - b. Prevent rusting of bottle
 - c. Perform cleaning of steel bottle
 - d. Avoid leakage of oxygen bottle
2. When using oxy-acetylene flame for welding and cutting, what is the operational procedure before ignition?
 - a. No specified procedure
 - b. Switch on the valve for both oxygen and acetylene
 - c. Switch on the valve for oxygen first
 - d. Switch on the valve for acetylene first
3. Yellow colour rubber tube of refrigerant composite pressure gauges bar should be connected to:
 - a. Vacuum pump
 - b. High pressure side
 - c. Low pressure side
 - d. Any connector
4. What is the factor for maximum allowable container's storage volume for refrigerant?
 - a. 0.9
 - b. 0.7
 - c. 0.6
 - d. 0.8
5. In refrigerant pipes, commonly the diameter of high pressure pipe when compared with that of low pressure pipe is:
 - a. Smaller
 - b. Bigger
 - c. The same
 - d. Uncertain
6. The cause of frosting on refrigerant filter dryer outlet is:
 - a. Excessive refrigerant
 - b. Insufficient of refrigerant
 - c. Partial blockage of filter dryer
 - d. Blockage of filter dryer
7. One of the possible cause of high pressure in both high pressure and low pressure side of a split type air conditioning unit is:
 - a. Non-condensing gas inside system
 - b. Insufficient of refrigerant
 - c. High supply voltage
 - d. Low supply voltage
8. Cooling tower are performing _____ of part of water vapour in air, for water cooling.
 - a. Condensation
 - b. Sublimation
 - c. Liquidation
 - d. Evaporation

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Refrigeration/ Air-conditioning/ Ventilation Mechanic (Unitary System) Trade Test Written Test Mock Paper (Con't)

9. A possible cause of compressor not running of window air conditioner is:
- Thermostat failure (gas leak in sensing bulb)
 - Insufficient of refrigerant
 - Refrigerant has been leaked out completely
 - High supply voltage
10. If split type unit refrigerant pipe length is longer than the standard pipe length, its cooling capacity will _____.
- Be lost
 - Remain unchanged
 - Increase
 - Decrease
11. The function of capillary tube in window air conditioning unit is:
- To reduce pressure of refrigerant
 - To control flow rate of refrigerant
 - To increase cooling capacity
 - To increase condensing rate
12. Installation of window air conditioning unit should be:
- Tilted for both indoor and outdoor side
 - Level on indoor and outdoor
 - Tilted down to indoor side
 - Tilted down to outdoor side
13. Main components of refrigeration system are:
- Compressor, condenser, expansion valve, evaporator
 - Compressor, cooling tower, condenser, evaporator
 - Compressor, cooling tower, capillary tube, evaporator
 - Compressor, condenser, evaporator, Air handling unit
14. Refrigerant filter dryer is commonly installed between:
- Capillary tube and evaporator
 - Expansion valve and evaporator
 - Compressor and condenser
 - Condenser and expansion valve
15. Which of the following gas shall be used for detecting gas leakage in refrigeration system?
- Nitrogen gas
 - Oxygen
 - Compressed air
 - Hydrogen gas
16. Which of the followings will lead to frosting at the condenser of window air conditioning unit?
- Correct amount of refrigerant
 - Insufficient of refrigerant
 - Excessive refrigerant
 - Irrelevant to the amount of refrigerant

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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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