

Refrigeration / Air-conditioning / Ventilation Mechanic (Unitary System) Intermediate Trade Test Study Material for Written Test

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此文件關於空調製冷設備技工(獨立系統)中級工藝測試技術知識測試(筆試)內容參考資料。
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This study material is a reference for candidate to prepare for attending written test in Intermediate Trade Test:

1. When live phase conductor directly contacts neutral conductor, it will become short circuit.
2. The neutral wire is coated in blue colour.
3. The measuring unit of voltage is volt (V).
4. Brown coloured wire should connect to the position marked “L” inside the plug.
5. The measuring unit of current is ampere (A).
6. Yellow/green coloured wire should connect to the position marked “E” inside the plug.
7. Normal diameter of copper pipe is represented by external diameter of pipe.
8. Lubricant used for vacuum pump are specific oil for vacuum pump.
9. The function of thermostat in window type conditioning unit is to control room temperature.
10. Window type air conditioning unit is better to install at a height above the ground by approximately 1.5m.
11. Comparing thermal conductivity of water and air, water is better than air.
12. The function of earth leakage circuit breaker among the electricity safety device is to prevent electric shock.
13. To light up oxy-acetylene gas torch, flint gun should be used.
14. For pressurization and leakage survey in refrigeration system, nitrogen gas should be used.
15. When fault occurs in fixed electrical installation, it should be repaired by a registered electrical worker.
16. The storage cylinder of R410A is in pale red colour.
17. When there is a problem with an electrical tool, worker should stop using it and report to the person in charge/supervisor to arrange repairing.
18. After the completion of pressurization and leakage survey in a refrigeration system, evacuation should be completed first before injection of refrigerant.

19. Using mechanical aids should be considered first when carrying heavy objects.
20. When lifting heavy objects, one should use correct posture to lift it in order to prevent back injuries.

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