

Metal Worker Intermediate Trade Test Study Material for Written Test

(Version : IMW-SM-EN-01)



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Metal Worker Intermediate Trade Test

Study Material for Written Test

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

1. The gap between the workbench and the abrasive wheel of bench grinder should be 3mm or less.
2. Bench grinder operator should stand slightly aside so as to prevent injuries from the fracture of abrasive wheel.
3. The non-slidable surface (i.e. patterned surface) on jaw plate (or jig) of vise jaw is to hold part in place easily.
4. Steel chequer plate (or diamond plate, i.e. steel sheet metal plate with embossed diamond pattern) is commonly used for stairs or platform plates.
5. For stainless steel surface with thin, dense, parallel and straight grains, it is commonly called hairline finish in the market.
6. Brass is formed by copper-zinc alloy.
7. Bronze is formed by copper-tin alloy.
8. To develop a sketch of truncated circular hollow section (CHS)/cylinder work piece, the drawing method is using parallel lines.
9. To develop a sketch of conical shape work piece, the drawing method is using radical method.
10. To develop a sketch of circular top and square base on a work piece, the drawing method is using triangular lines.
11. The basic step of heat treatment includes heating, preserving heat and cooling.
12. Quenching in heat treatment can enhance the hardness, tensile strength and abrasion resistance of steel.
13. During shielded metal arc welding, weld pool shall be protected by both gas and slag.
14. Slag produced during welding can protect the weld pool and allow melted metal to slowly solidify and cool down.

15. Builder's lift is an equipment suitable for transporting workers up and down a building under construction.
16. In case of break in the skin by rusted steel sheet or nail, it may cause tetanus.
17. Working at height means the distance between the workplace and the ground is 2m or above.
18. The top guard-rails of working platform should be ranged from 900 to 1150mm in height.
19. In case of any corruption/act of bribery happen in construction industry, it will cause decline in work quality.
20. The benefits of professional ethics and good conducts will improve construction industry and it will bring us mentally and physically well.

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