



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

General Welder Skilled Trade Test Mock Written Test Paper

此文件關於普通焊接大工工藝測試考題。如有需要索取此文件的中文版本，請致電 2100 9232 與工藝測試中心聯絡。

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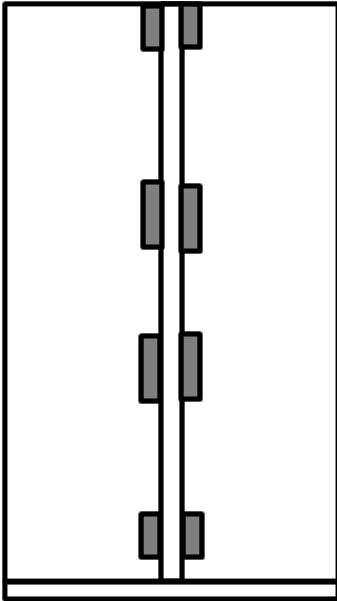
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1. Refer to the figure, the weld type is :



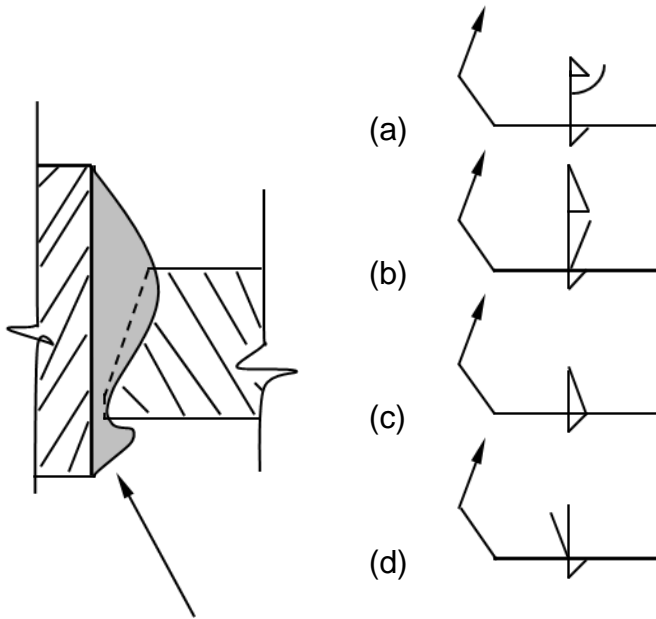
- (a) Lap joint
- (b) Slot weld
- (c) Chain intermittent fillet weld
- (d) Groove weld

2. Refer to the figure, the weld type is :

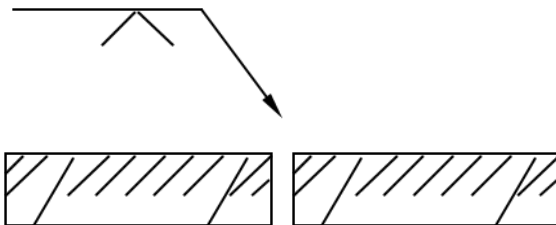


- (a) Lap joint
- (b) Slot weld
- (c) Fillet weld
- (d) Groove weld

3. Refer to figure, the welding symbol is :



4. Refer to the welding symbol, which is the correct figure ?

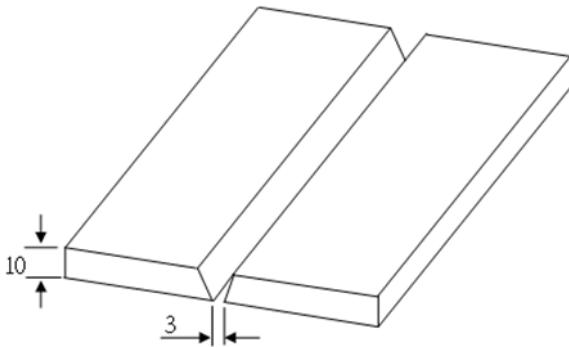


- (a)
- (b)
- (c)
- (d)

5. Welding current is too low for shielded metal arc welding, the weld bead will be :

- (a) concave
- (b) convex
- (c) squqre
- (d) flat

6. Refer to the figure, what is the appropriate size of electrode to weld the first weld bead when using SMAW ?



- (a) 6# (5.0mm)
- (b) 12# (2.6mm)
- (c) 10# (3.2mm)
- (d) 14# (2mm)

7. The flame of oxyacetylene cutting is called to as :

- (a) oxidizing flame
- (b) carbonizing flame
- (c) neutral flame
- (d) light carbonizing flame

8. The wide kerf in oxyacetylene cutting is resulted from :
- (a) air hose is too long
 - (b) pressure of oxygen is too low
 - (c) pressure of oxygen is too high
 - (d) pressure of acetylene is too high
9. The purpose of preheat is to :
- (a) decrease the speed of heat input
 - (b) decrease the temperature
 - (c) slow down the cooling rate
 - (d) decrease the time of high temperature
10. Wet electrodes cause :
- (a) undercut
 - (b) porosity
 - (c) slag inclusion
 - (d) incomplete fusion
11. The welding process that the arc and molten metal are shielded by a blanket of granular flux on the workpiece is :
- (a) shielded metal arc welding
 - (b) submerged arc welding
 - (c) gas metal arc welding
 - (d) oxyacetylene welding

12. The main reason of burn through is :
- (a) fast welding speed
 - (b) high welding current
 - (c) low welding current
 - (d) use of wet electrodes
13. The main cause of the deformed workpiece is resulted from :
- (a) using of wet electrodes
 - (b) fast welding speed
 - (c) high carbon content
 - (d) uneven distribution of heat
14. Which of the following method is non-destructive testing ?
- (a) tensile test
 - (b) bend test
 - (c) macro test
 - (d) radiograph test
15. Penetrant test can detect the weld's :
- (a) hardness
 - (b) surface defect
 - (c) internal crack
 - (d) internal porosity

16. The macro testing can detect the weld's :
- (a) strength
 - (b) ductility
 - (c) weldability
 - (d) integrity
17. The most dangerous defect in welding is :
- (a) undercut
 - (b) crack
 - (c) porosity
 - (d) lack of penetration
18. The main objective of factories and industrial undertaking regulation is :
- (a) accident prevention
 - (b) to ensure the industrial to operate
 - (c) to ensure the people to be employed
 - (d) to supervise the equipment of safety
19. Which of the following cannot be absorbed by the filter lens when welding :
- (a) infrared
 - (b) arc
 - (c) ultra violet
 - (d) x ray

20. The main function of flashback arrester is to :
- (a) prevent shock
 - (b) prevent deformation of the workpiece
 - (c) prevent explosion of the gas cylinder
 - (d) prevent explosion of the cutting torch or welding torch