



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Metal Scaffolder Skilled Trade Test Mock Written Test Paper

此文件關於金屬棚架大工工藝測試考題。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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1. Which of the following specification is for metal scaffolding ?
 - (a) HKJC
 - (b) HKQA
 - (c) BS 1139
 - (d) ISO 9001

2. Which one of the following members is a tube to form the support for boards or units forming the working platform ?
 - (a) standard
 - (b) ledger
 - (c) transom
 - (d) brace

3. The spacing of lines of ties should not exceed :
 - (a) 4.5 m
 - (b) 6.5 m
 - (c) 8.5 m
 - (d) 10.5 m

4. The joints in continuous diagonal bracing should be made by two tubes with overlapping :
 - (a) 300 mm
 - (b) 800 mm
 - (c) 1000 mm
 - (d) 2000 mm

5. A transom should be fixed to :
 - (a) standards
 - (b) ledgers
 - (c) standards and ledgers
 - (d) standards or ledgers

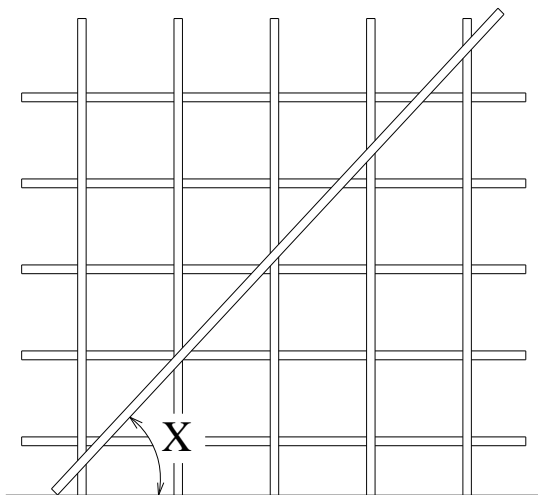
6. Which one of the following members of a scaffold is to take up dead load ?

- (a) putlog
- (b) transom
- (c) standard
- (d) ledger

7. The ledgers should be level to :

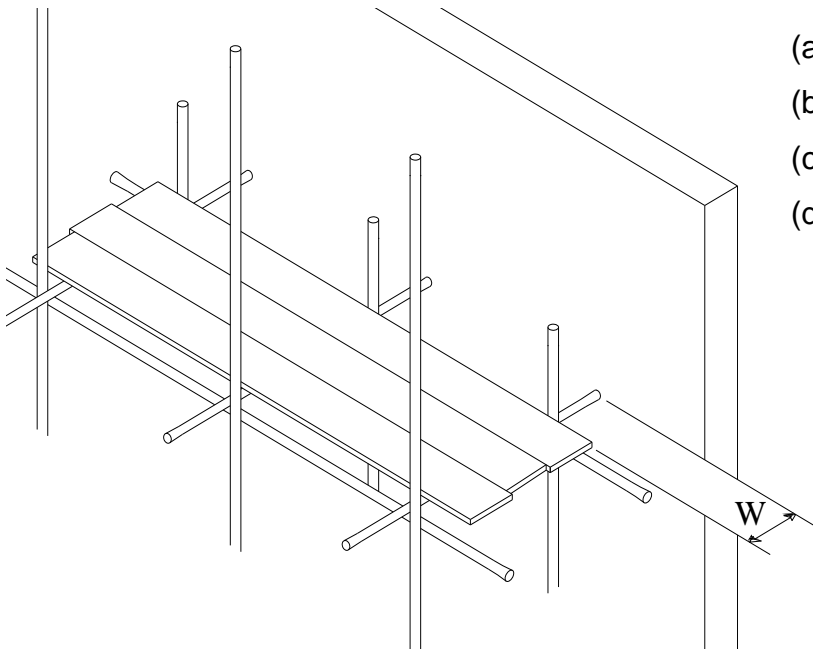
- (a) within +/- 10 mm in 2 m
- (b) within +/- 15 mm in 2 m
- (c) within +/- 20 mm in 2 m
- (d) within +/- 25 mm in 2 m

8. As the drawing shown below, X should be :



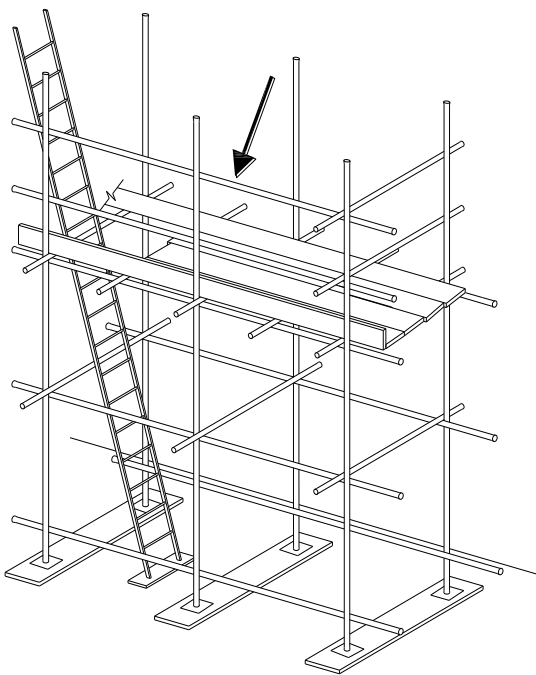
- (a) between 35° - 45°
- (b) between 35° - 55°
- (c) between 45° - 55°
- (d) between 45° - 65°

9. As the drawing shown below, W should not be greater than :



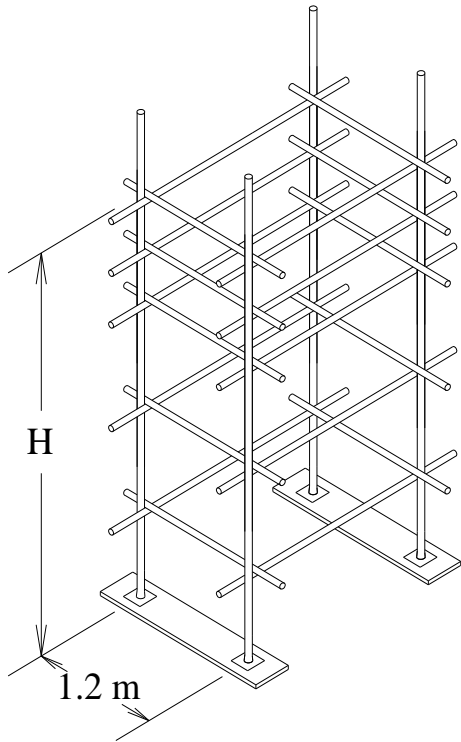
- (a) 100 mm
- (b) 200 mm
- (c) 300 mm
- (d) 400 mm

10. The member as arrowed is called :



- (a) standard
- (b) ledger
- (c) transom
- (d) brace

11. As a metal tower is adjacent to building, H should not be more than :

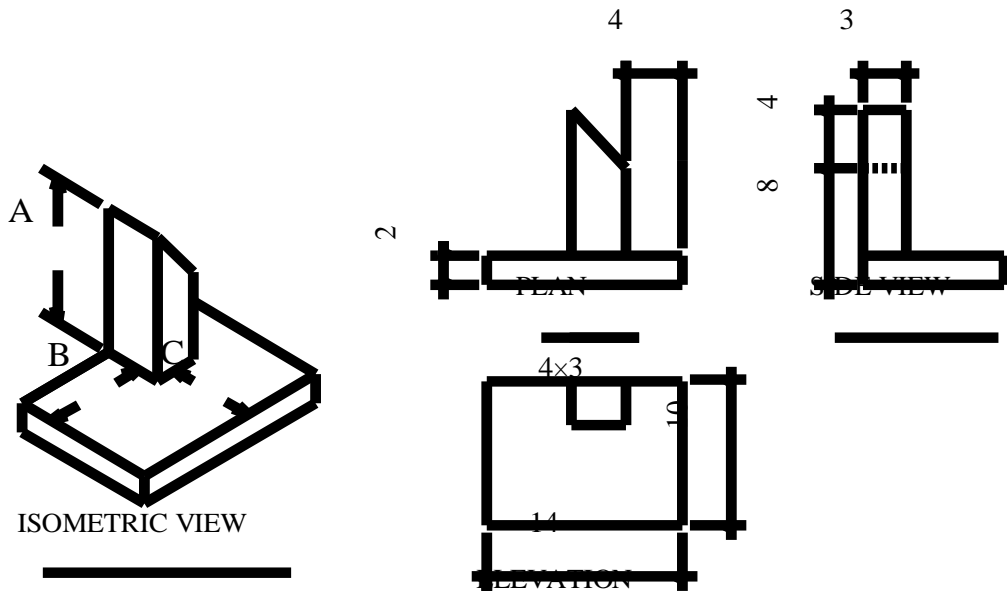


- (a) 3.0 m
- (b) 3.6 m
- (c) 4.2 m
- (d) 4.8 m

12. Which one of the following couplers should be used in fixing facade brace to transom ?

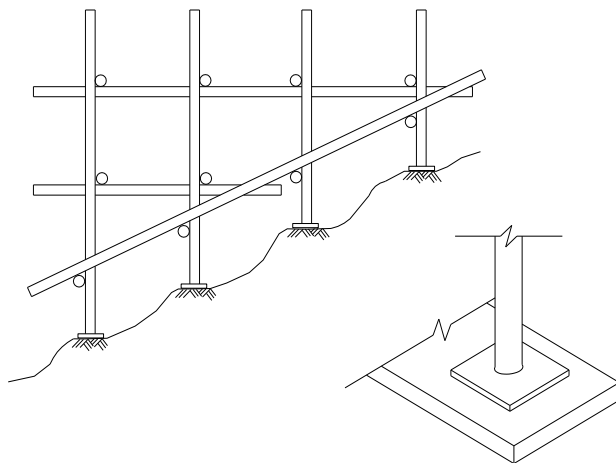
- (a) A coupler with a central vertical hole and a horizontal hole, designed for a vertical post and a horizontal brace.
- (b) A coupler with two vertical holes and a horizontal hole, designed for two vertical posts and a horizontal brace.
- (c) A coupler with two horizontal holes and a vertical hole, designed for two horizontal transoms and a vertical post.
- (d) A coupler with two horizontal holes and a vertical hole, designed for two horizontal transoms and a vertical post, with a different internal structure than (c).

13. According to the details shown below, the dimension of C should be :



- (a) 5
- (b) 6
- (c) 7
- (d) 8

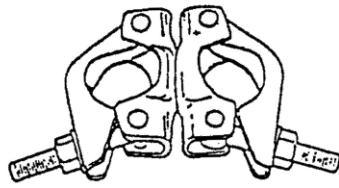
14. The sole plate of timber shown should not be less than :



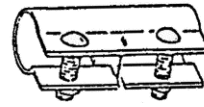
- (a) 15 mm in thickness
- (b) 25 mm in thickness
- (c) 35 mm in thickness
- (d) 45 mm in thickness

15. Which two of the following couplers should be used for the joint of standards ?

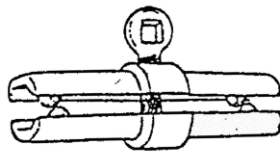
- (a) A and B
- (b) B and C
- (c) C and D
- (d) A and D



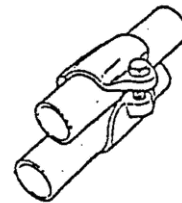
A



C

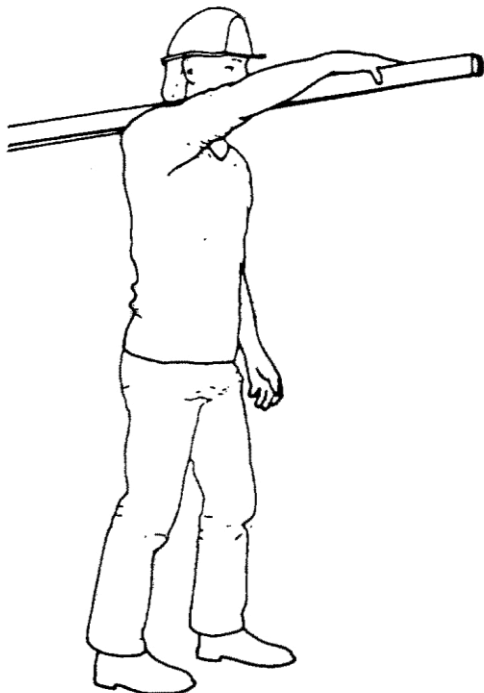


B

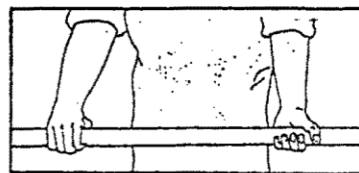


D

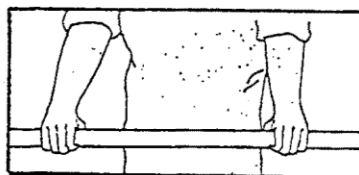
16. Refer to the drawings shows below, which one of the postures is correct in manual handling of tubes ?



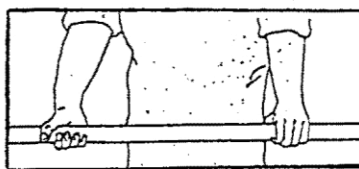
(a)



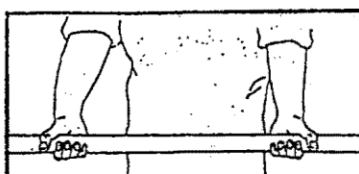
(b)



(c)



(d)



17. According to the " Code of Practice for Metal Scaffolding Safety", a scaffold shall not be used unless it has been inspected by a :
- (a) safety officer
 - (b) structure engineer
 - (c) competent person
 - (d) consultant
18. A scaffold shall be periodically inspected. Define "periodically" :
- (a) At regular intervals not exceeding 7 days
 - (b) At regular intervals not exceeding 14 days
 - (c) At regular intervals not exceeding 21 days
 - (d) At regular intervals not exceeding 30 days
19. The height of guardrails should not be less than :
- (a) 800 mm
 - (b) 900 mm
 - (c) 1000 mm
 - (d) 1100 mm
20. The "Code of Practice for Metal Scaffolding Safety" is issued by :
- (a) Buildings Department
 - (b) Labour Department
 - (c) Housing Department
 - (d) Fire Services Department