

Bamboo Scaffolder Skilled Trade Test Mock Practical Test Paper

此文件關於竹棚工工藝測試考題。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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Enquiries

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Trade Test Paper

Trade : Bamboo Scaffolding
Grade : Craftsman
Test Contents : Complete the following items at designated location : -

<u>Items</u>	<u>Score</u>
1. Dismantle a bamboo scaffolding and associated structures (approximately 3.8 M x 4.6 M) in a safe manner (to ensure the stability of the scaffolding at all times) as follows: (i) Inspect / repair as necessary before dismantling work. (ii) Dismantle the scaffolding. (iii) Stack up properly the dismantled materials. (iv) Tidy up job site.	25
2. Erect the following bamboo scaffolding and associated structures (approximately 3.8 M x 4.6 M) according to the given drawing: (i) a double-row scaffolding. (ii) closely spaced lifts. (with a working platform) (iii) a cantilever	75

Specification : (1) Candidates should read the attached test requirement before commencement of work.
(2) Item 1 must be completed before item 2.
(3) Candidates should not drop any tools / bamboos when working on scaffold.

Duration : 6 1/2 hours (excluding lunch time)

Notes : (1) Candidates should read the attached notes carefully.
(2) Candidates will be marked as fail if he does not carry out safety precautions during the test;
(3) The test paper consists of 4 pages. Total score is 100.
Passing mark is 60.

Notes to Candidate

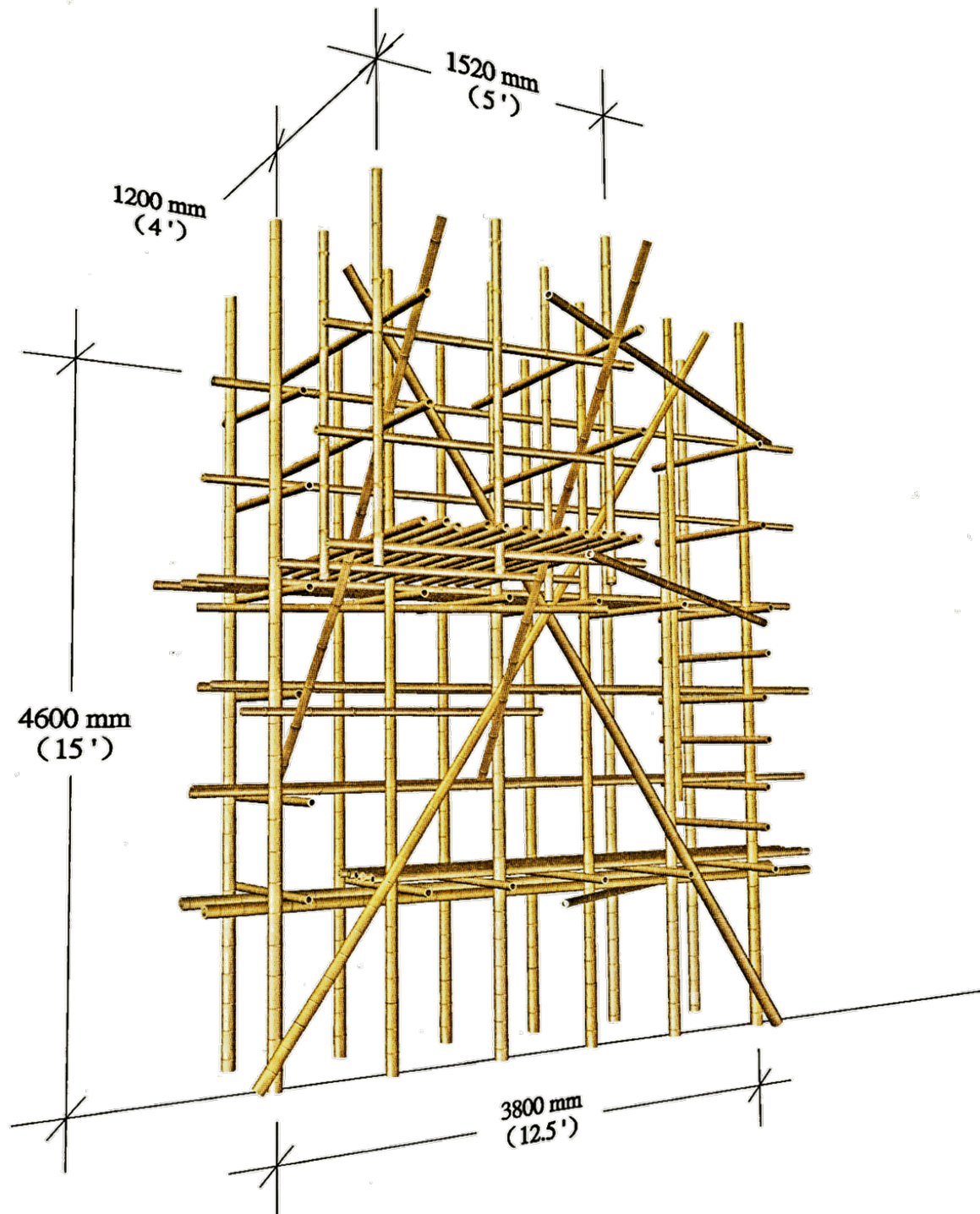
1. Candidates should read the test papers carefully and ask the invigilator for any queries.
2. Candidates should study the drawings and specifications attached to the test paper, if any, before the test begins.
3. Candidates should carry out the test according to test papers, working drawings and specifications provided.
4. Candidates shall bring their own safety shoes, other safety equipment will be provided by trade testing centre. Candidates must take all necessary safety precautions to ensure work safety.
5. All tools and materials required by the test will be provided by trade testing centre, candidates should check and ensure their adequacy and quality. Candidates shall use the tools and materials properly based on trade practice. All the tools must be returned to trade testing centre after the test. The candidates may ask the invigilator for any problems.
6. Candidates are required to handle and move the tools and materials for use in the test, and to carry out associated works.
7. Invigilator will take record photos periodically during the test.
8. Candidates are not allowed to take any photo or video with cameras or mobile phones.
9. Candidates are not allowed to use their mobile phones during the trade tests, except for emergency situation.
10. The marking scheme is based on the following criteria :
 - a. Understanding of drawing and specification
 - b. Preparation works before commencement of test
 - c. Working procedures
 - d. Accuracy and quality of works
 - e. Progress of works
 - f. Proper handling and use of materials
 - g. Proper use of tools and equipment
 - h. Safety precautions
 - i. Considerate of other trades
 - j. House keeping after completion of test
11. All candidates must stop when time is up.
12. Candidates are required to return the test paper to invigilator after the test.
13. Offering bribe to invigilator is an offence in law and trade testing centre will report to the ICAC for any such case.

In the event that the candidate fails to take any necessary safety precautions and / or works in any dangerous situations, he / she will be assessed failed.

Test requirement

1. Every candidate is required to wear a safety belt / harness, together with suitable lanyard, attaching to an independent life line or secure anchorage and fittings, or a secure fixing point at all the times when working at heights.
2. All fastenings between bamboos should be tight and secure, bound up to 5 coils with tight knots.
3. Bamboos used as posts, bracings and the base ledgers should be “Mao Jue” (large bamboo), the rest of the members should be “Kao Jue” (normal bamboo).
4. Outer layer
 - i. The distance between two adjacent posts should be 750 mm.
 - ii. The distance between two ledgers should be 660 mm.
 - iii. Posts should be 900 mm apart the wall.
 - iv. Bracing should be erected at 45⁰-60⁰ from the horizontal level.
 - v. One of the posts should be join to used, and with 3 joint-tying
5. Inner layer
 - i. The distance between two adjacent posts should be 750 mm.
 - ii. The height of the lower closely spaced lift should be 1200mm from the ground.
 - iii. The width of closely spaced lifts should be 600mm. Spacing between adjacent ledgers not more than 100mm wide.
 - iv. The parallel ledgers should be 300mm apart the wall.
 - v. The working platform on the scaffold should be closely planked.
 - vi. Working platform should be provided with suitable guardrails and toe-boards.
6. Cantilever
 - i. To be erected by using rakers, standards should not rest on the ground during erection.
 - ii. Two projecting layers should be symmetrical.
 - iii. Projection-ties should not be obstructive.
 - iv. Closely spaced base platform, transoms should not exceed 100mm apart.

Trade Test for Bamboo Scaffolder



Double-row with Cantilever Scaffold (Not to Scale)