

Carpenter (Formwork – Civil Construction) Skilled Trade Test Mock Written Test Paper

此文件關於木模板大 (土木工程) 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

Enquiries on this Material may be made to the Trade Test Centre at:

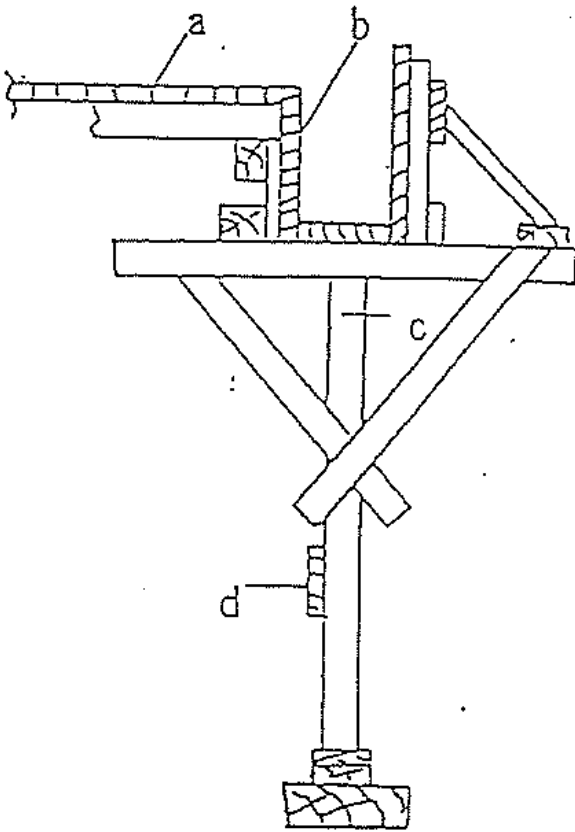
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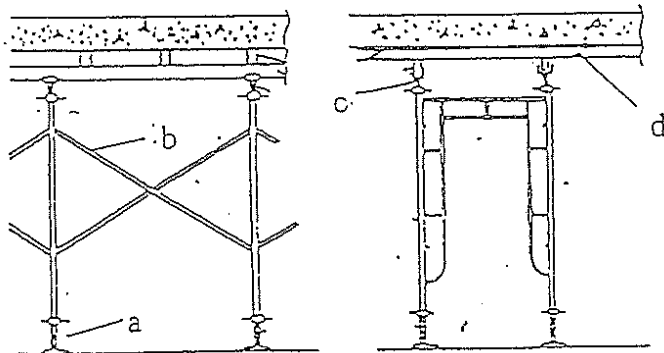
Please select the appropriate answer, each question has one answer only.

1. Identify the names of the following formwork :



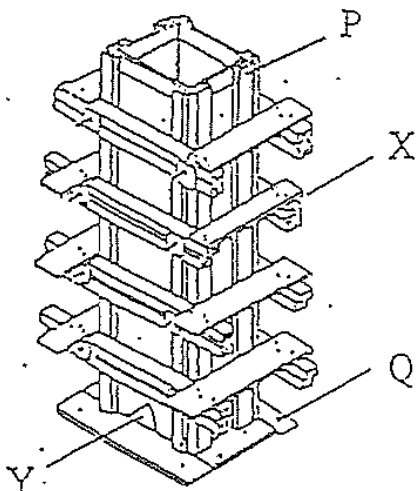
	<u>TEE-PROPS</u>	<u>BRACE</u>	<u>SIDE OF BEA</u>	<u>TIMBER BOARDING</u>
(A)	☐	☐	☐	☐
(B)	☐	☐	☐	☐
(C)	☐	☐	☐	☐
(D)	☐	☐	☐	☐

2. Identify the parts of falsework :



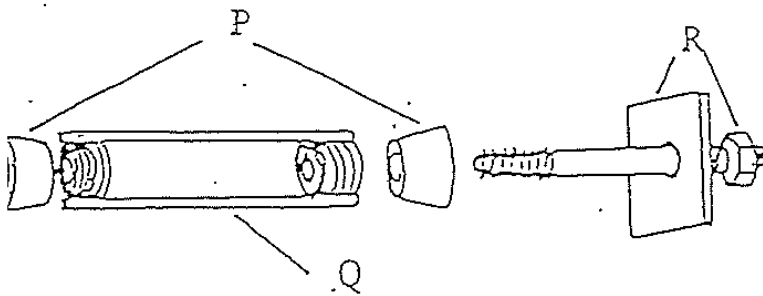
	<u>FORMWORK</u>	<u>SCREWED LEG & BASE PLATE</u>	<u>CROSS-BRACE</u>	<u>ADJUSTABLE U-HEAD</u>
(A)	☐	☐	☐	☐
(B)	☐	☐	☐	☐
(C)	☐	☐	☐	☐
(D)	☐	☐	☐	☐

3. Identify the parts of column formwork :



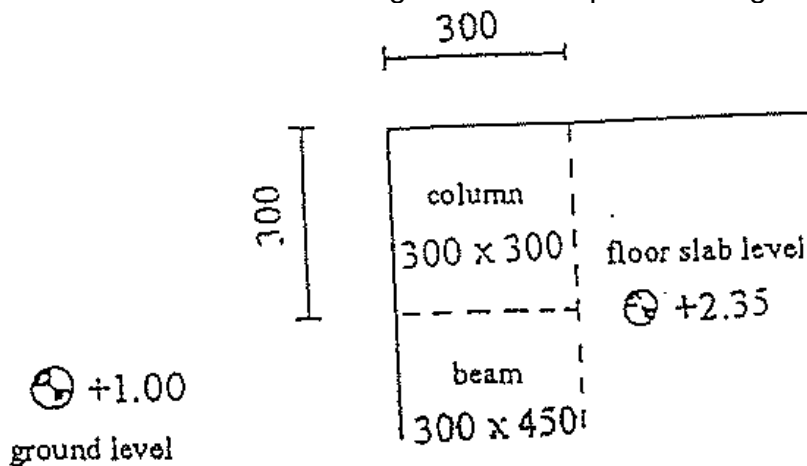
	<u>KICKER</u>	<u>WALING & YOKE</u>	<u>COLUMN PANEL & STUD</u>	<u>OPENING</u>
(P)	☐	☐	☐	☐
(Q)	☐	☐	☐	☐
(X)	☐	☐	☐	☐
(Y)	☐	☐	☐	☐

4. Identify the following items used for water retaining structure :



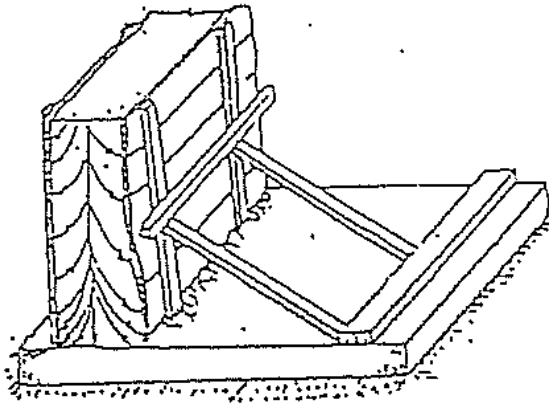
	<u>BOLT & NUT</u>	<u>COIL TYPE TIE WITH CONE SPREADER</u>	<u>PVC CONE SPREADER</u>
(P)	☐	☐	☐
(Q)	☐	☐	☐
(R)	☐	☐	☐

5. Calculate the height of column panel from ground level to beam soffit:



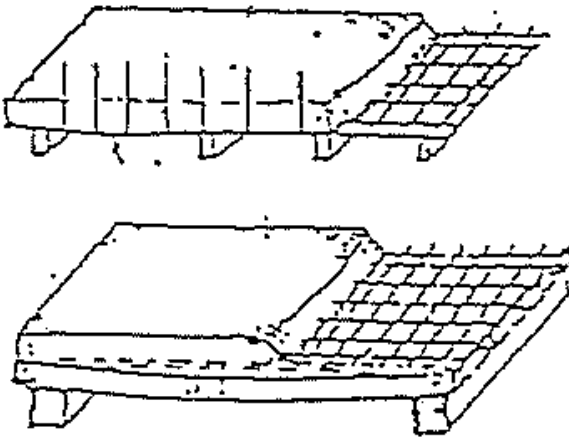
- (a) Total length 900mm ☐
- (b) 900mm plus one piece of sawn timber ☐
- (c) 900mm minus one piece of sawn timber ☐
- (d) 900mm minus two pieces of sawn timber ☐

6. After pouring concrete which part of the formwork suffers the greatest pressure:



- (a) upper part of the wall ☐
- (b) middle part of the wall ☐
- (c) lower part of the wall ☐

7. Referring to the following sketches, what will you do prior to concreting:



- (a) Recalculate of the loadings ☐
- (b) Purchasing more plywood ☐
- (c) Estimate the amount of concrete used & arrival time ☐
- (d) Install sufficient joist & support ☐

8. After erection of the formwork the whole structure should be:
- (a) against wind loading & prevent ultra violet radiation ☐
 - (b) rust and penetration proof ☐
 - (c) shock proof & anti-abrasive ☐
 - (d) sufficient strength, stable and rigid ☐
9. For general residential building, the bottom layer of wall formwork waling is 0.3m from the ground, the spacing of other walings shall be around:
- (a) 0.1 m to 0.5 m ☐
 - (b) 0.6 m to 1.0 m ☐
 - (c) 1.2 m to 1.5 m ☐
 - (d) 1.6 m to 2.0 m ☐
10. The gap in the formwork will cause:
- (a) reinforcement exposed ☐
 - (b) honey comb ☐
 - (c) color spot on concrete surface ☐
 - (d) curved wall surface ☐
11. Fair-face formwork is widely used in:
- (a) public houses ☐
 - (b) flyover structure ☐
 - (c) swimming pool ☐
 - (d) hotel ☐
12. For fair-face formwork used in column or wall, the purpose of kicker is:
- (a) according to foreman's instruction ☐
 - (b) general requirements of formwork construction ☐
 - (c) to ensure the accuracy of upper portion formwork ☐
 - (d) to ensure homogeneous colour of upper & lower portion concrete ☐

13. Generally, the thickness of plastering work on wall surface is:
- (a) 3 mm ☐
 - (b) 10 mm ☐
 - (c) 20 mm ☐
 - (d) 30 mm ☐
14. The purpose of applying mould oil is:
- (a) to avoid decay of formwork ☐
 - (b) to lubricate metal parts ☐
 - (c) to delay concrete setting time ☐
 - (d) to facilitate the removal of formwork ☐
15. When working at height, other than safety helmet, one should use the following protective equipment properly:
- (a) safety harness ☐
 - (b) boots for hiking ☐
 - (c) cotton gloves ☐
 - (d) goggles ☐
16. According to HK Law, everybody must wear which of the following protective equipment when entering a construction site:
- (a) cotton gloves ☐
 - (b) safety belt ☐
 - (c) safety helmet ☐
 - (d) goggles ☐
17. Height of guardrails along the working platform shall not be less than:
- (a) 300 mm ☐
 - (b) 600 mm ☐
 - (c) 900 mm ☐
 - (d) 1200 mm ☐

18. Height of toeboard along scaffold working platform shall not be less than:
- (a) 125 mm ☐
 - (b) 150 mm ☐
 - (c) 175 mm ☐
 - (d) 200 mm ☐
19. For using milling or cutting machines, how do you handle the materials:
- (a) by hands ☐
 - (b) bamboo ☐
 - (c) screw drivers ☐
 - (d) timber rod ☐
20. The objective of tool box talk is:
- (a) to provide soft drink for workers ☐
 - (b) to schedule a break for workers ☐
 - (c) to report the working progress ☐
 - (d) to brief workers about safety practice ☐