



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

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

此文件關於木模板工(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 9000 與香港建造業工藝測試中心聯絡。

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Enquiries

Enquiries on this Material may be made to the
Hong Kong Construction Industry Trade Testing Centre at:

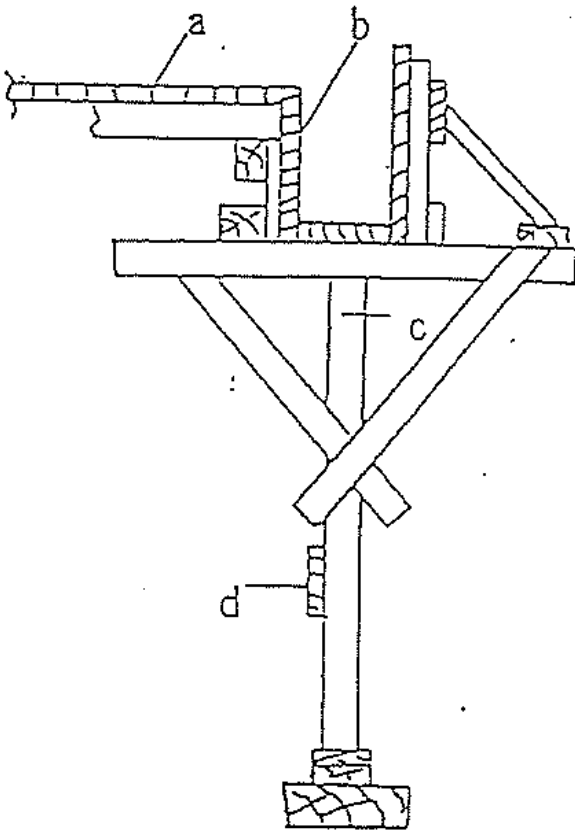
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Please select the appropriate answer, each question has one answer only.

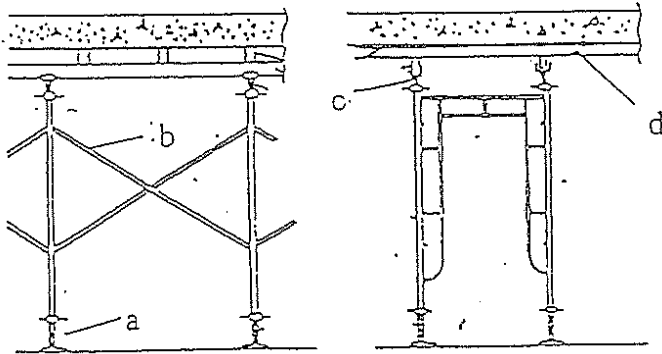
1. Identify the names of the following formwork :



TEE-PROPS BRACE SIDE OF BEA TIMBER BOARDING

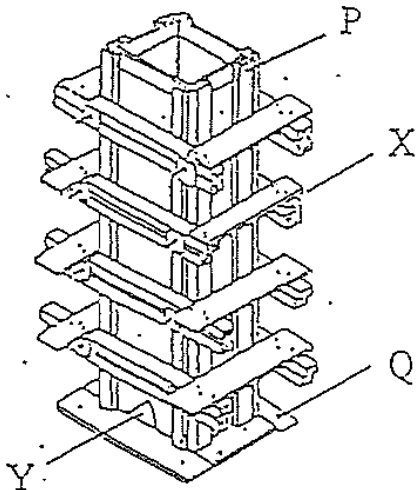
(A)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(B)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(C)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(D)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Identify the parts of falsework :



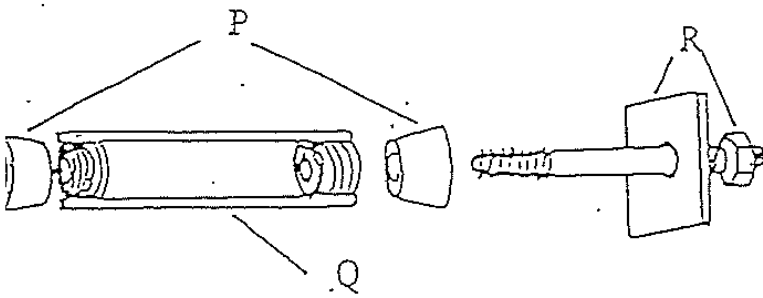
	<u>FORMWORK</u>	<u>SCREWED LEG & BASE PLATE</u>	<u>CROSS-BRACE</u>	<u>ADJUSTABLE U-HEAD</u>
(A)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(B)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(C)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(D)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Identify the parts of column formwork :



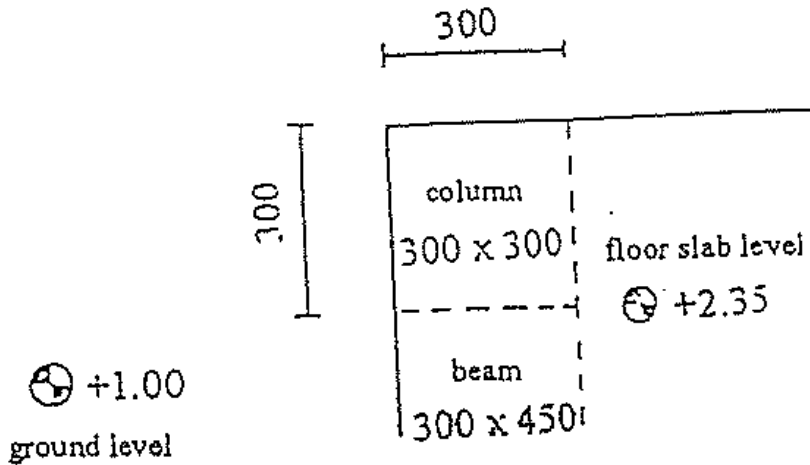
	<u>KICKER</u>	<u>WALING & YOKE</u>	<u>COLUMN PANEL & STUD</u>	<u>OPENING</u>
(P)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(Q)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(X)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(Y)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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



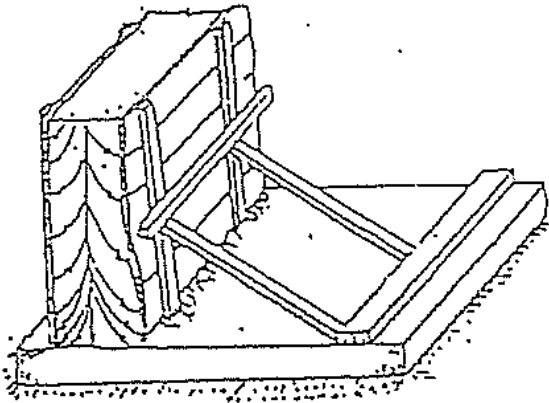
	<u>BOLT & NUT</u>	<u>COIL TYPE TIE WITH CONE SPREADER</u>	<u>PVC CONE SPREADER</u>
(P)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(Q)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(R)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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



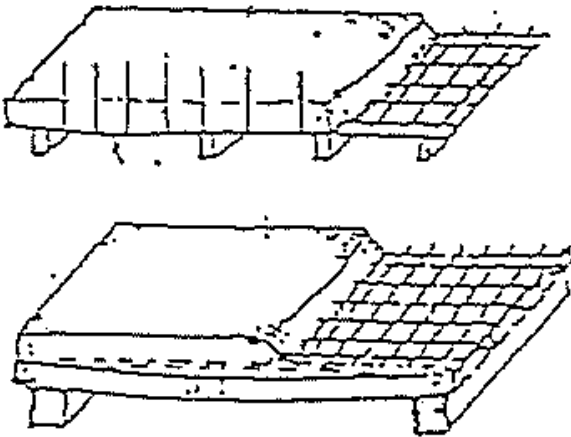
- (a) Total length 900mm
- (b) 900mm plus one piece of sawn timber
- (c) 900mm minus one piece of sawn timber
- (d) 900mm minus two pieces of sawn timber

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