

Carpenter (Formwork - Civil Construction) Intermediate Trade Test Study Material for Written Test

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Carpenter (Formwork - Civil Construction)

Intermediate Trade Test

Study Material for Written Test

Study material to prepare for written test

This study material is a reference for candidate to prepare for attending written test in Intermediate Trade Test:

1. For a good formwork, gaps between the strips should be less than 1mm.
2. When fabricating a wooden formwork, the most common type of nail used is 2-inch common nail.
3. The function of installing water stop at the joint between two sections of retaining wall is to prevent water seepage.
4. Formwork for fair-face concrete surface is most commonly used in retaining walls and flyover.
5. The purpose of providing a temporary flexible opening (cleanout port) at wall and column toe are to make it easy to remove debris and scrap.
6. For formwork construction of water tank and retaining wall, coil type form tie should be used instead of plastic (PVC) cone spreaders to tie the formwork in order to prevent water from seeping into the wall.
7. To strengthen the support, wooden ties should be connected to the wood post shore/prop.
8. The overall components of the completed formwork should have sufficient strength, rigidity and stability.
9. For a standalone column formwork with size of 0.9m x 0.9m x 2.5m height, at least four bracings should be used at the corners.
10. The purpose of applying mould oil/release agent on the formwork is to prevent concrete from sticking to the formwork.
11. The prop, stringer and joist of timber formwork are the main load bearing components. Normally, they are made of smooth, straight and tough materials.
12. To prevent water seepage, the plastic cone and plastic sleeve/tube for form tie left on outer wall of buildings should be removed and filled by cement mortar.
13. To push the remaining material when planing or cutting timber on a woodworking machine tool, push stick (forked pushing) or push-block (crimp fitting plane base) should be used.

14. To saw timber with a required angle, it is more appropriate to use mitre saw with an adjustable angle.
15. If the electrical tool is malfunction, worker should stop operating the tool and report to the supervisor to arrange for repairing.
16. The sawdust and fillings should be cleaned and put into the rubbish bin after sawing.
17. On construction site, it is prohibited to burn the construction waste.
18. The minimum width of the working platform for a double-layered scaffold should be not less than 400mm.
19. When working on site, safety shoes should be worn to protect the feet.
20. During at work on construction site, it is inappropriate to consume alcoholic drinks.

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