

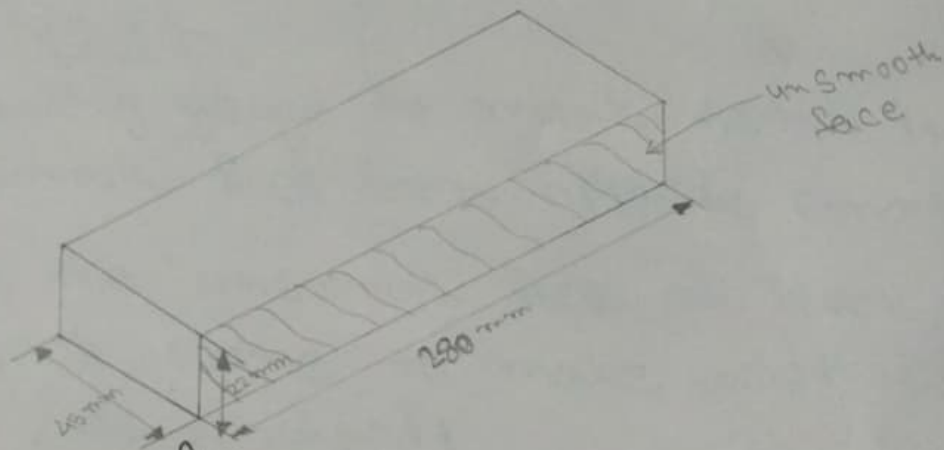
Carpentry Shop

Job no. 1 - Cross Cut Joint

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AIM :- To make Cross Cut joint from given wood piece.

Material required :- Teak wood piece with 3 sides smooth and one face unsmooth.



Tools required :-

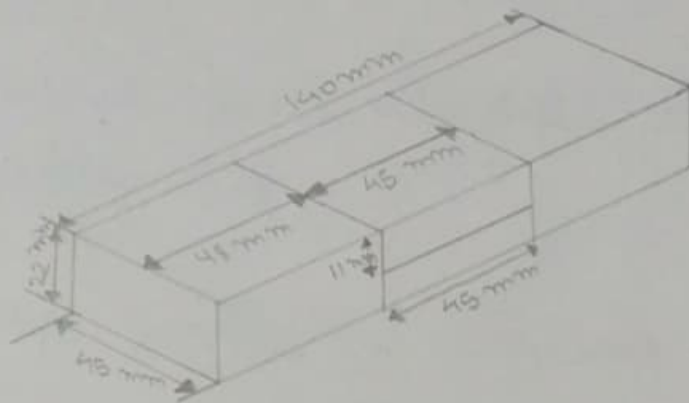
- i> steel ruler
- ii> Marking gauge
- iii> F-clamp
- iv> Firmer chisel - 1"
- v> Firmer chisel - 1/2"
- vi> Scriber
- vii> Try square
- viii> Mallet
- ix> iron jack plane
- x> Back saw

Operations to be Carried out:-

- Planning
- Marking and measuring
- Sawing
- chiselling
- Finishing

Procedure:-

- Use marking gauge to mark 45mm in direction of unsmooth face from opposite smooth face.
- Smooth the unsmooth face of block by metal jack plane to make width equal to 45mm as required.
- Now, check for perpendicularity of that face using Try square.
- Cut the wood block with back saw across the length (280mm) to make two pieces of equal length of 140mm.
- Now, mark both pieces with same measurement using marking gauge as shown in figure given below.



- Hold both wood pieces with F-clamp on table and cut out the marked unwanted wood using chisel and mallet from both wood piece.
- Using chisel clean the corners of cut out section, if some wood left.
- now both parts are completed so, check for assembly, if both assembled correctly then okay if not finish the joint with chisel and then again check for assembly.
- At final you will get cross-cut joint.

Precaution :-

- Use hand gloves always while working in carpentry shop.
- Use eye goggles in working shop to keep your eye protected from wood dust.
- If there is loud noise use ear muffs.

Result :-

Cross-Cut joint made successfully.

