

Ist Block
(all dimension are in mm).

Practical No. 01

Aim To make a wooden block (T-fitting)

- Tools Required!

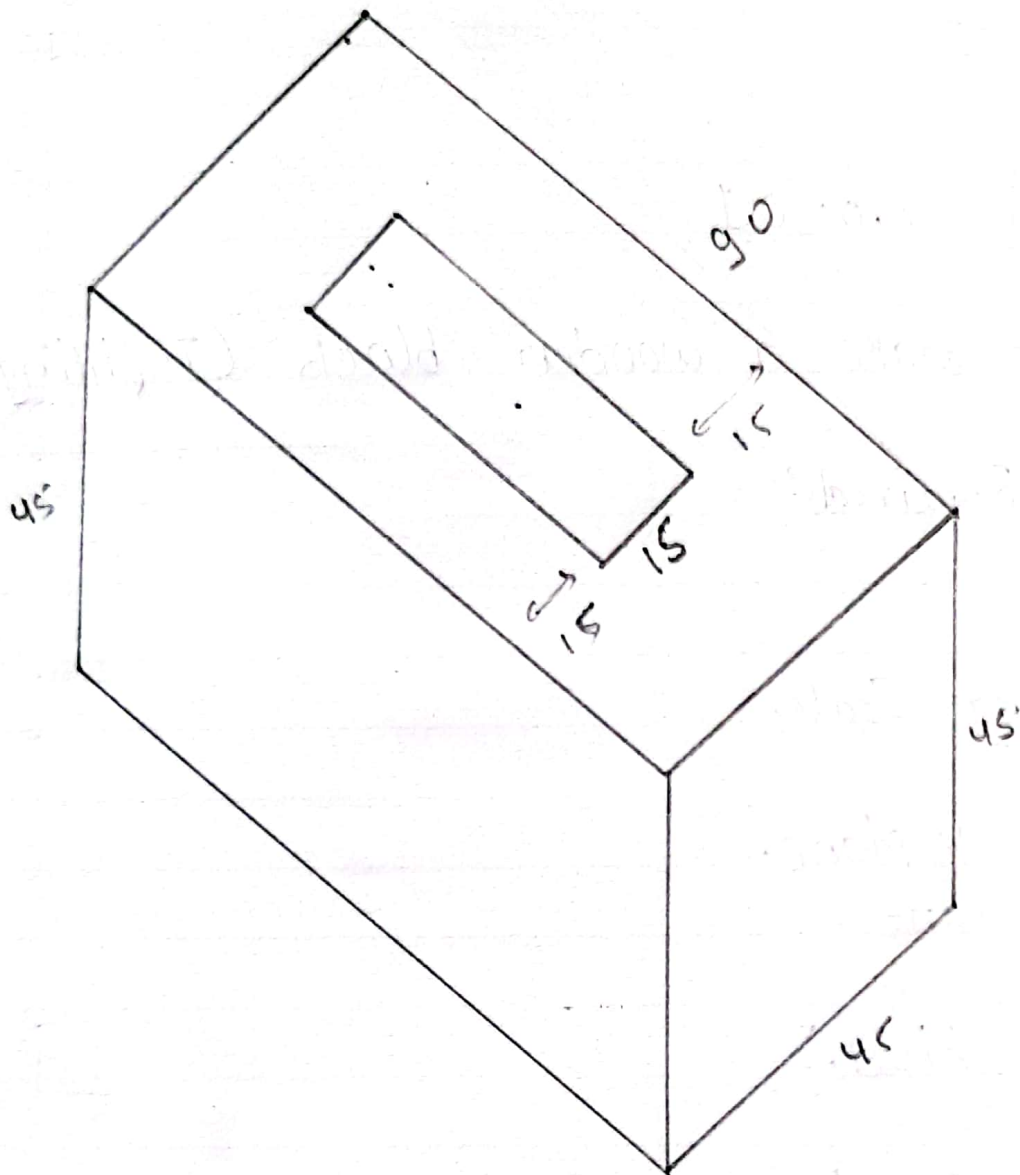
1. Saw
2. Engineering Scale.
3. Mallet
4. Iron-jack plane.
5. Try-Square.
6. Rasp.
7. Mortise chisel.

- Material Required! A wooden block.

- Sequence of Operations!

- Cutting & dividing into two parts.
- Filing.
- checking flatness and Squareness.
- Marking & measuring.
- Sawing.
- chipping.
- Finishing.
- Fitting the blocks.

Teacher's Signature : _____



IInd Block

(all dimensions are in mm)

Good

- Procedure:

- step 1: Take the wooden block & remove the burrs using Iron jack plane and mark the size required.
- step 2: Cut the piece into two parts according to the measurement and check the dimensions with Engineering scale and check for its edges using try Square.
- step 3: Take first wooden block of dimension $130 \times 45 \times 45$ mm and mark its size to convert it into T shape.
- step 4: cut the piece into T-shape using saw According to the dimensions measured.
- step 5: Take Another piece and mark the measurement on it.
- step 6: Remove the unwanted portion using Mortise chisel & Mallet and make a rectangular hole. and finish its inner side using Rasp.
- step 7: Fit the 1st block into 2nd block and make sure size would be accurate.

Teacher's Signature : _____

- Result! T-bit is made as per the Required dimensions.

- Precautions!

- Care is taken to see that the marking dots are not crossed, which is indicated by Pencil or chalk.
- Apply Pressure in forward direction during Sawing.
- Don't rub steel rule (scale) on the wooden piece.
- Files are to be cleaned properly after using.
- Don't hammer the first shape to adjust with 1st one with a high pressure it may broken.

Teacher's Signature _____