

DUSTER MAKINGAIM:

To construct a duster from the given work piece.

APPLICATION:

Cross bars in a cot, shelves.

SUPPLIED MATERIAL SPECIFICATION:

Venteek wood of size $150 \times 45 \times 30$

TOOLS REQUIRED:

- 1) Jack plane.
- 2) Hand saw.
- 3) Steel rule.
- 4) Pencil.
- 5) Marking gauge.
- 6) Try square.
- 7) Firmer chisel.
- 8) Cleaning brush.
- 9) Wooden mallet.

SEQUENCE OF OPERATION:

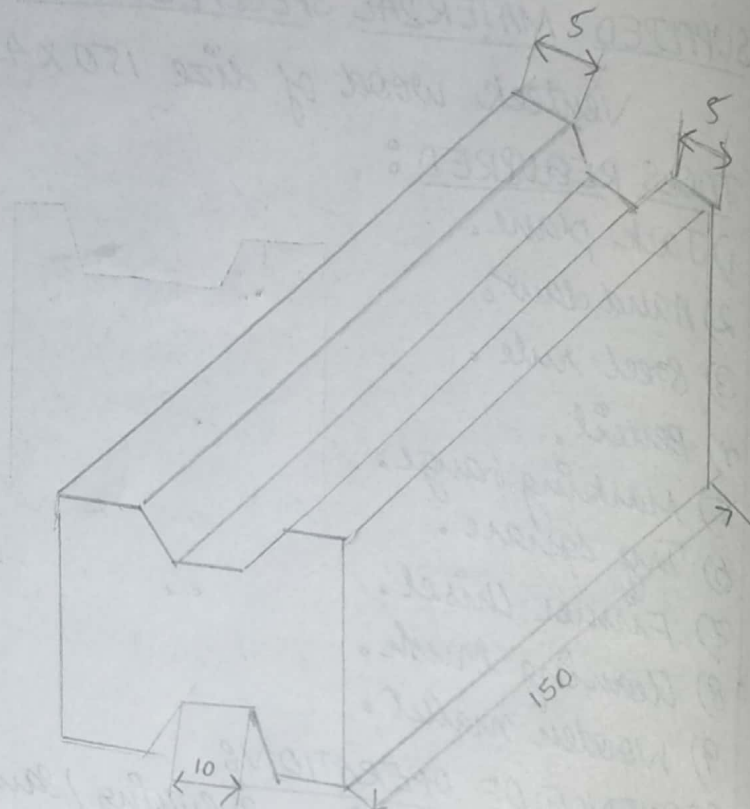
- 1) Preparing 2) Marking 3) Cutting / Sawing 4) finishing.

WORKING STEPS:1) PREPARING:

Prepare the work piece as described in previous section with a length of 150mm, 45mm & 30mm.

2) MARKING:

- a) Adjust the marking gauge to 10mm and set out the distance from the same along all the four sides of the piece on the 30mm thick side from both ends.
- b) Again, adjust the marking gauge to 5mm and set out distance along all 4 sides of piece.
- c) Now mark a distance of 5mm perpendicular to these lines on $30 \times 45\text{mm}^2$ sides from both ends.
- d) Mark a diagonal line on all the inner square thus formed.



All dimensions are in mm

CUTTING / SAWING:

- Hold the piece horizontally in a way such that the portion to be cut is just above the jaw. Use a hand saw to cut along the required line markings but slightly inside the line as shown in figure to the required 5mm depth.
- Now using a firmer chisel take a series of cut to remove the wood up to this 5mm depth.
- Hold the piece again using a firmer chisel scanty chip off the wood from the along the material diagonal side.

FINISHING:

Take a series of small cuts delicately on both side pieces to remove the excess wood. Obtain a fine finish of the socket and shoulder assembly joint and clear off the waste by wire brush.

RESULT:

The Duster was produced from the given work piece and assembled joint was submitted for evaluation.