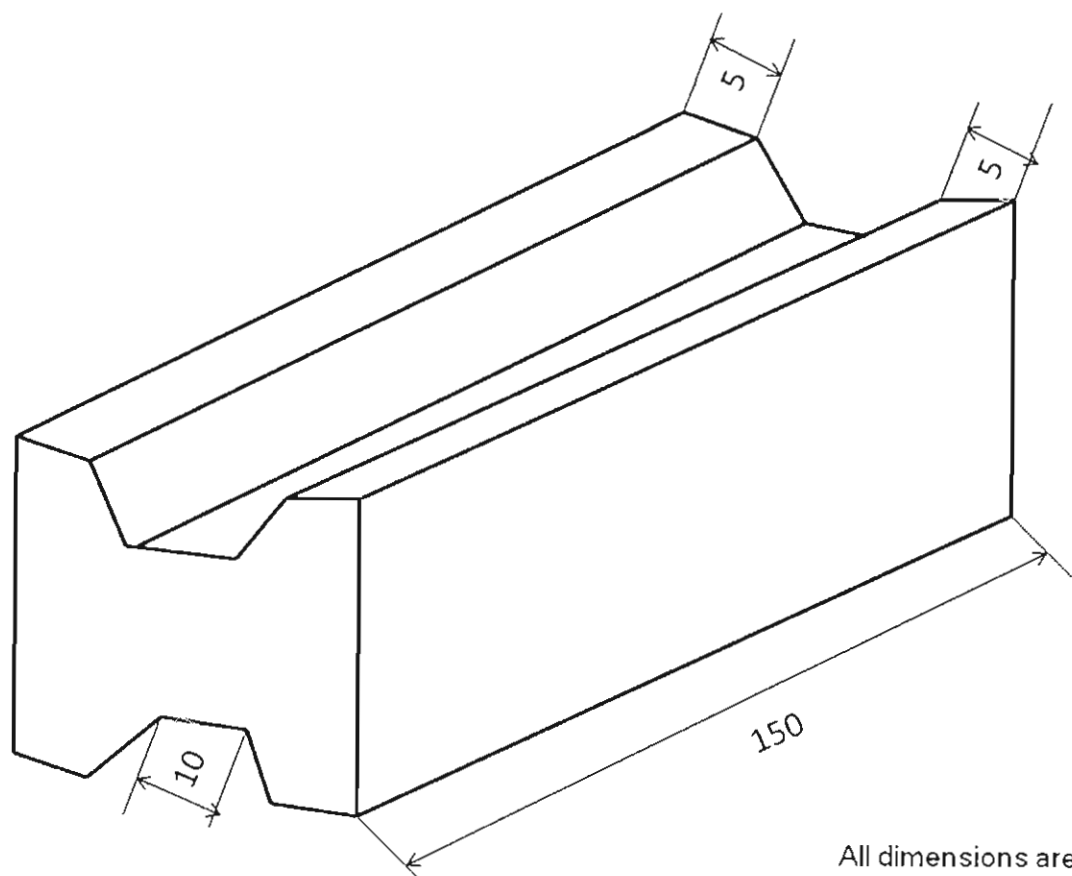


DUSTER MAKING



All dimensions are in mm

DUSTER MAKING

AIM:

To construct a duster from the given work piece

APPLICATION:

Cross bars in a cot, shelves.

SUPPLIED MATERIAL SPECIFICATION:

Venteek wood of size 150 x 45 x 30

TOOLS REQUIRED:

- 1) Jack plane. 2) Hand saw. 3) Steel rule. 4) Pencil 5) Marking Gauge.
- 5) 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 and 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 the four sides of the piece
- c) Now mark a distance of 5mm perpendicular to these lines on the 30mm x 45mm sides from both ends
- d) Mark a diagonal line on all the inner square thus formed.

3) CUTTING / SAWING:

- a) 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
- b) Now using a firmer chisel take a series of cuts to remove the wood up to this 5mm depth

- c) Hold the piece again using a firmer chisel slantly chip off the wood from the along the material diagonal side.

4) **FINISHING:**

Take a series of small cuts delicately on both the 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.