

CARPENTRY

Experiment - 01 (ME1161)

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Marking on the given job 1 in Carpentry

- **AIM:** To mark the given dimensions on given wood piece, as per specifications for making Tee-Dovetail Joint.
- **TOOLS REQUIRED:**
 1. Bench Vice
 2. Steel Rule
 3. Try Square
 4. Marking gauge
 5. Wooden Jack plane
- **PROCEDURE:**
 1. Read and draw the drawing given in figure I.
 2. Issue the required tools and Materials.
 3. Fix the wood piece securely on the bench vice.
 4. Plane one face of the wood piece with wooden Jack plane
 5. Plane adjacent edge at right angles of the wooden piece to the previous planed surface by fixing it on the vice perpendicular to the previous position.
 6. Clamp the piece out of the bench vice and mark the thickness and width by using marking gauge.
 7. Plane the remaining faces so that all the faces mutually perpendicular to each other.

8. Saw the wooden piece into two equal parts
9. Mark the dimensions with marking gauge on both the parts.

• PRECAUTIONS :

- I. Tools that are not being used should always be kept at their proper places.
- II. Make sure that your hands are not in front of sharp edged tools while you are using them.
- III. Use only sharp tools. A dull tool requires excessive pressure, causing the tool to slip.
- IV. Wooden pieces with nails should never be allowed to remain on the floor.
- V. Do not use jack plane at the places, where a nail is driven in the wood.

• Figure 1 : Marked dimensions on the wooden piece.

(All dimensions in mm.)

