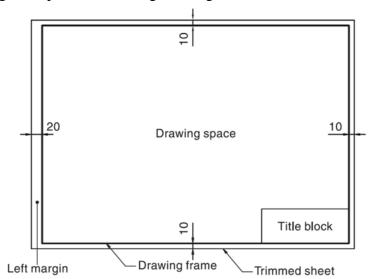
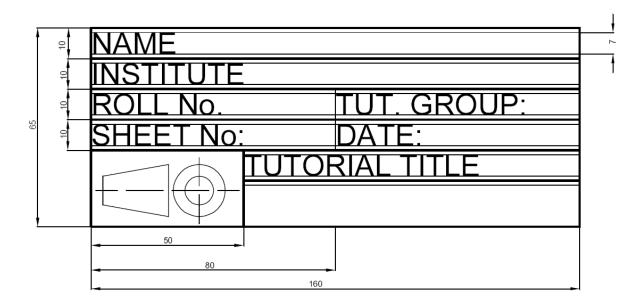
ME 111 Engineering Drawing: July - Nov 2017 Indian Institute of Technology Guwahati

Lab-1 [key] Lettering, Dimensioning and Scales 50 marks Friday Batch

1. Draw the margins as per the following drawing and draw the title block. [10 marks]

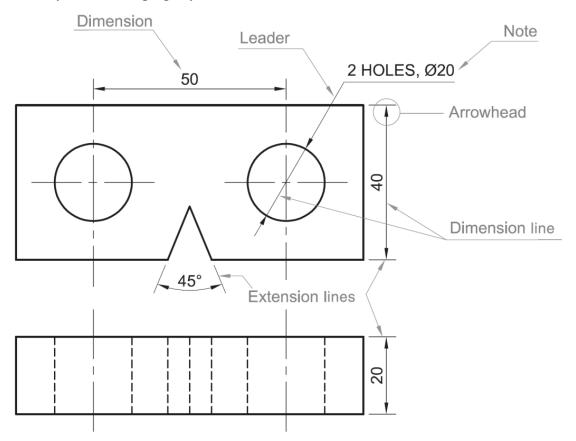


Drawing margins and location of title block



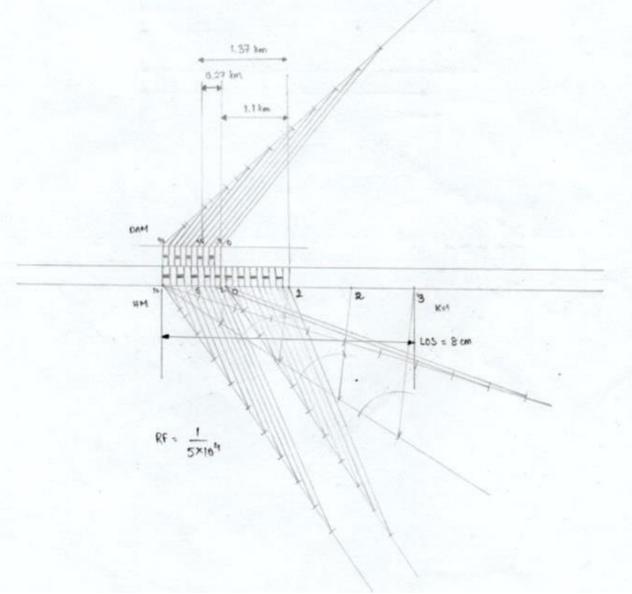
- 2. Write the following lines (a and b) in single-stroke vertical letters. Consider the height of capital letters as 8 mm. [15 marks]
 - a. FINE LETTERING MAKES FINE DRAWING
 - b. He Who Hesitates Is Lost

3. Learn the elements of dimensioning and draw the following figure on the drawing sheet neatly and label it properly. [10 marks]



4. On a map, a distance of 11 km is shown by a 22 cm long line. Find the RF. Construct the forward Vernier scale of this RF to read decameter (dam) and measure up to 4 km. Show distance of 1.37 km on your scale. [15 marks]

On a map, the distance of 11 km is shown by a 22 km long line. Find the RF. Gruhaud the forward vennion scale of this RF to nead dam & measure uph 54 km. On this scale show distance 1.37 km $RF = \frac{22 \text{ cm}}{11 \text{ km}} = \frac{22}{(n \times 100 \times 100)} = \frac{1}{5 \times 10^4}$ $LC = 1 \text{ dam} = \frac{1}{10} \text{ MLO}$ $LC = 1 \text{$



Paper ends.