

ED Drawing Test - 2A

Program: B.Sc. in CSE
Drawing Test 01, Autumn 2024
Course Title: Engineering Drawing
Course Code: ME0715122

Marks: 10

Section: 2A1

Time: 1 (one) hour

(Answer all questions)

Questions

Marks

1. Draw a 20 mm long line and divide it into six equal segments, marking each division. [1 cm = 10 mm] [02]
2. Draw a tangent to a given arc with a radius of 5 cm and an inaccessible centre at a specified point P on the arc. Ensure all necessary construction lines and measurements are clearly marked. [02]
3. Construct the following regular polygons in circles of 60 mm diameter, using the general method in each case: (i) Pentagon (ii) Heptagon. [02]
4. A point P is 15 mm above the H.P. and 20 mm in front of the V.P. Another point Q is 25 mm behind the V.P. and 40 mm below the H.P. Draw projections of P and Q keeping the distance between their projectors equal to 70 mm. [02]
5. Draw straight lines joining (i) their top views and (ii) their front views. The length of the top view of a line parallel to the V.P. and inclined at 45° to the H.P. is 50 mm. One end of the line is 12 mm above the H.P. and 25 mm in front of the V.P. Draw the projections of the line and determine its true length. [02]



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