AN ROINN OIDEACHAIS
BRAINSE AN IARBHUNOIDEACHAIS

G. 321

DAY VOCATIONAL CERTIFICATE EXAMINATIONS, 1973

MECHANICAL DRAWING

FRIDAY, 15th JUNE, 2 - 4.30 p.m.

INSTRUCTIONS

(a) Not more than four questions may be attempted; two of these must be selected from Section I and two from Section II.
(b) Question No. 1 is compulsory and candidates may choose either 1(A) or 1(B).
(c) The number of the question must be distinctly marked by the side of each answer.
(d) All questions carry equal marks; a maximum of five marks will be awarded for accuracy and neatness of arrangement in respect of each question.
(e) Work on one side of the paper only.
(f) Examination Number must be distinctly marked on each sheet of paper used.

SECTION I

Candidates may select either 1(A) or 1(B) and one other question from this section

1(A) The drawing represents a Woodwork Joint. Make a full-size dimensioned drawing of the assembled joint showing:-

(a) a front elevation looking in the direction of arrow A,
(b) an end elevation looking in the direction of arrow B,
(c) a plan projected from (a).

Letter the title of each view neatly.

or

1(B) The drawing represents a metalwork project. On the squared paper supplied, draw freehand, approximately full size and in good proportion the following:-

(a) A front elevation looking in the direction of arrow A.
(b) An end elevation looking in the direction of arrow B.
(c) A plan projected from (a).

Insert six dimension lines on your drawing and letter the title of each view.

2. Fig. 2 shows a pictorial view and a front elevation of a shaped block. Draw full size:-

(a) the front elevation as given,
(b) an end elevation looking in the direction of arrow "C",
(c) a plan projected from (a).

3. The plan and elevation of a container with an open top are shown in Fig. 3. Draw to the dimensions shown,

(a) the given plan and elevation,
(b) the surface development of the container including the base.

4. The drawing shows the elevation and plan of a solid. Draw full size:-

(a) the given elevation and plan,
(b) an auxiliary elevation on the line X'Y'.

SECTION II

(Answer any two questions from this section)

5. A pattern based on a regular pentagon and a regular octagon (in a circle) is shown in Fig. 5. Reproduce full size the given drawing showing full construction. If a protractor is used insert the constructional angles.

6. The drawing shows the outline of a piece of wrought ironwork. Draw the figure full size. Show full construction and points of contact.

7. Fig. 7 shows a rectangular drawing board and a tee square. Reproduce the drawing to the given dimensions showing full construction.

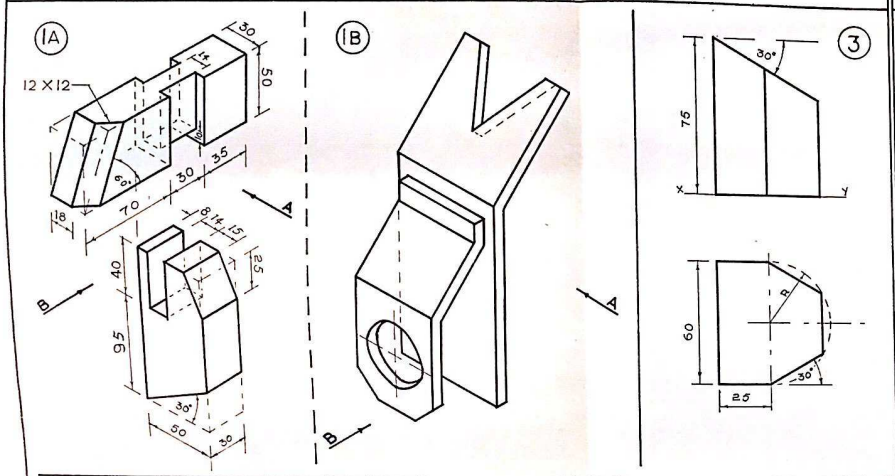
8. The cross section of a container having a semi elliptical top is shown in Fig. 8. Draw the figure full size, given that the major and minor axes of the ellipse are in the ratio of 6 : 4.

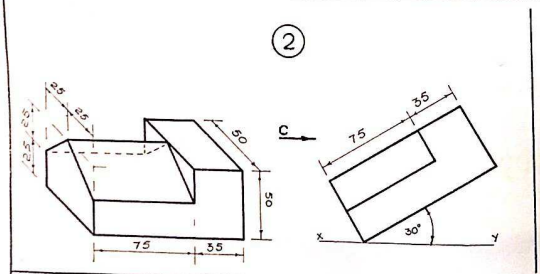
Show full construction.

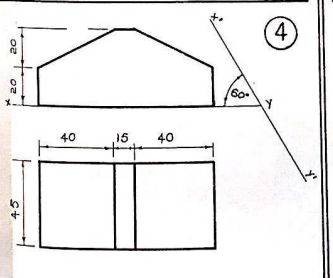
G.321

SCRÚDUITHE TEASTAIS NA NÓSAIRM CHÚRSAÍ LAE
LÍNÍOCHT MHEICNIÚIL 1973

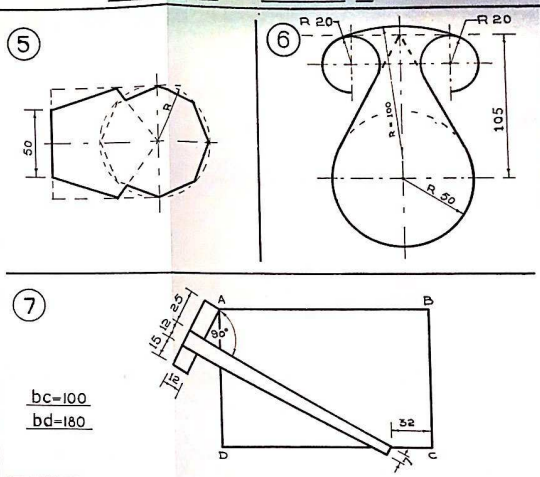
RANN I (SECTION I)

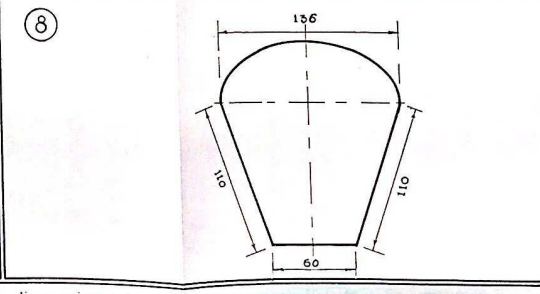






RANN II (SECTION II)





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All dimensions in millimetres